



**TENDER DOCUMENT**

**FOR**

**PROVISION OF MAINTENANCE AND  
REPAIR SERVICES FOR KRA MOTOR  
VEHICLE AND MOTORCYCLE- TWO (2)  
YEARS FRAMEWORK CONTRACT**

**TENDER NO. KRA/HQS/NCB-057/2018-2019**

**TIMES TOWER BUILDING  
P.O. BOX 48240 – 00100  
TEL: +254 02 310900/  
NAIROBI, KENYA.**

**Email: [eprocurement@kra.go.ke](mailto:eprocurement@kra.go.ke)**

**PREBID DATE : 20<sup>TH</sup> MAY 2019 at 10.00 AM TIMES  
TOWER**

**CLOSING DATE: 11TH JUNE, 2019**

## CHECKLIST FORM

This form has been provided to help bidders in preparation of their bids ensuring that all the tender mandatory requirements are in place. Bidders are therefore required to tick once they attach or fill/sign the documents that the tender has requested for.

| <b>S/N</b> | <b>ITEM DESCRIPTION</b>  | <b>Mandatory</b>          |
|------------|--|---------------------------|
|            |  | Kindly tick once attached |
| 1.         | Copy of valid Tax Compliance Certificate   |                           |
| 2.         | Certificate of Registration or Incorporation                                     |                           |
| 3.         | Power of Attorney (Sole Proprietors Exempted)                                    |                           |
| 4.         | Letter from the bank indicating that the firm is Currently operating an account. |                           |
| 5.         | Dully <b>filled, signed and stamped</b> Confidential Business Questionnaire.     |                           |
| 6          | Manufacturers Authorization letter where applicable.                             |                           |
| 7.         | Business Permit  |                           |

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## SECTION I

## INVITATION TO TENDER



### Tender Notice

The Kenya Revenue Authority invites sealed bids from eligible candidates for the following tenders:

| NO. | DESCRIPTION   | ELIGIBILITY | PRE- BID DATE<br>AND TIME                              | CLOSING DATE<br>AND TIME                |
|-----|---|-------------|--|---|
| 1   | <b>KRA/HQS/NCB-057/2018-2019: PROVISION OF MAINTENANCE AND REPAIR SERVICES FOR KRA MOTOR VEHICLE AND MOTORCYCLE- TWO (2) YEARS FRAMEWORK CONTRACT</b> | OPEN        | 20 <sup>TH</sup> May , 2019<br>10.00 AM<br>Times Tower | 11 <sup>TH</sup> June, 2019<br>11.00 AM |

- Interested eligible candidates may obtain further information and inspect the tender documents with detailed requirements at the office of the:

**Deputy Commissioner-Supply Chain Management**  
**Times Tower Building, 25<sup>th</sup> Floor,**  
**P.O Box 48240– 00100 GPO,**  
**Tel. +254 020 310900**  
**Nairobi, Kenya.**  
**website: [www.kra.go.ke](http://www.kra.go.ke)**  
**Email :[eprocurement@kra.go.ke](mailto:eprocurement@kra.go.ke)**

- A complete set of bidding documents in English may be obtained from KRA E-Procurement portal available on the KRA website [www.kra.go.ke](http://www.kra.go.ke). Prospective bidders should register for E-Procurement to enable them access the KRA portal under “New Supplier Registration” found under the Tender Tab.
- Existing Suppliers with V-numbers and SRM passwords will automatically obtain the tender document in their SRM supplier portal. Existing Suppliers List is available on Kra Website under Tenders.
- Completed Bids are to be saved as PDF documents marked “**KRA/HQS/NCB-057/2018-2019: Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract**” and submitted to the appropriate KRA E-procurement Web Portal found on the KRA website so as to be received on or before 11th June 2019 at 11.00 a.m. Note: Submission should strictly be done to KRA E-Procurement Portal.
- Bids will be opened electronically promptly after closing time and Bidders or their representatives are welcome to witness the opening at **Times Tower Building.**

Any canvassing or giving of false information will lead to automatic disqualification.

## SECTION II - INSTRUCTIONS TO TENDERERS

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## **SECTION II - INSTRUCTIONS TO TENDERERS**

### **2.1 Eligible Tenderers**

- 2.1.1 This Invitation for Tenders is open to all tenderers eligible as described in the Invitation to Tender. Successful tenderers shall complete the supply of goods by the intended completion date specified in the Schedule of Requirements Section VI.
- 2.1.2 The Kenya Revenue Authority's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 2.1.3 Tenderers shall provide the qualification information statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Kenya Revenue Authority (KRA) to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this Invitation for tenders.
- 2.1.4 Tenderers involved in corrupt or fraudulent practices or debarred from participating in public procurement shall not be eligible.

### **2.2 Eligible Goods**

- 2.2.1 All goods to be supplied under the contract shall have their origin in eligible source countries.
- 2.2.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components
- 2.2.3 The origin of goods is distinct from the nationality of the tenderer.

### **2.3 Cost of Tendering**

- 2.3.1 The Tenderer shall bear all costs associated with the preparation and submission of its tender, and the KRA, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
- 2.3.2 The bid document shall be downloaded from the KRA website free of charge.

## **2.4**

### **The Tender Document**

2.4.1 The tender document comprises the documents listed below and addenda issued in accordance with clause 2.6 of these instructions to Tenderers

- (i) Invitation to Tender
- (ii) Instructions to tenderers
- (iii) General Conditions of Contract
- (iv) Special Conditions of Contract
- (v) Schedule of requirements
- (vi) Technical Specifications
- (vii) Tender Form and Price Schedules
- (viii) Tender Security Form
- (ix) Contract Form
- (x) Performance Security Form
- (xi) Bank Guarantee for Advance Payment Form
- (xii) Manufacturer's Authorization Form
- (xiii) Confidential Business Questionnaire.

The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or to submit a tender not substantially responsive to the tender documents in every respect will be at the tenderers risk and may result in the rejection of its tender.

### **Clarification of Documents**

## **2.5**

A prospective tenderer requiring any clarification of the tender document may notify the Procuring entity in writing or electronic mail [eprocurement@kra.go.ke](mailto:eprocurement@kra.go.ke)

The Procuring entity will respond in writing to any request for clarification of the tender documents, which it receives not later than seven (7) days prior to the deadline for the submission of tenders, prescribed by the procuring entity. Written copies of KRA's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective tenderers that have registered for the tender in the KRA supplier portal.

2.5.2 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

## **2.6**

### **Amendment of Documents**

2.6.1 At any time prior to the deadline for submission of tenders, the Procuring entity, for any reason, whether at its own initiative or in response to a clarification

requested by a prospective tenderer, may modify the tender documents by amendment.

2.6.2 Any addendum issued shall be part of the tender document and shall be communicated on the KRA Website and via electronic mail to all registered bidders.

2.6.3 In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, the KRA, at its discretion, may extend the deadline for the submission of tenders.

## **2.7 Language of Tender**

2.7.1 The tender prepared by the tenderer, as well as all correspondence and documents relating to the tender exchange by the tenderer and the KRA, shall be written in English language, provided that any printed literature furnished by the tenderer may be written in another language provided they are accompanied by an accurate English translation of the relevant passages in which case, for purposes of interpretation of the tender, the English translation shall govern.

## **2.8 Documents Comprising of Tender**

2.8.1 The tender prepared by the tenderers shall comprise the following components:

- (a) a Tender Form and a Price Schedule completed in accordance with paragraph 2.9, 2.10 and 2.11 below;
- (b) documentary evidence established in accordance with paragraph 2.1.2 that the tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
- (c) documentary evidence established in accordance with paragraph 2.2.1 that the goods and ancillary services to be supplied by the tenderer are eligible goods and services and conform to the tender documents; and
- (d) tender security furnished in accordance with paragraph 2.14

## **2.9 Tender Forms**

2.9.1 The tenderer shall complete the Tender Form and the appropriate Price Schedule furnished in the tender documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.



## **2.10 Tender Prices**

- 2.10.1 The tenderer shall indicate on the appropriate Price Schedule the unit prices and total tender price of the goods it proposes to supply under the contract.
- 2.10.2 Prices indicated on the Price Schedule shall include all costs including taxes, insurances and delivery to the premises of the KRA.
- 2.10.3 Prices quoted by the tender shall be fixed during the Tender's performance of the contract and not subject to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to paragraph 2.22.
- 2.10.4 The validity period of the tender shall be 335 days from the date of opening of the tender.

## **2.11 Tender Currencies**

- 2.11.1 Prices shall be quoted in Kenya Shillings unless otherwise specified in the Appendix to Instructions to Tenderers.

## **2.12 Tenderers Eligibility and Qualifications**

- 2.12.1 Pursuant to paragraph 2.1 the tenderer shall furnish, as part of its tender, documents establishing the tenderers eligibility to tender and its qualifications to perform the contract if its tender is accepted.
- 2.12.2 The documentary evidence of the tenderers eligibility to tender shall establish to the KRA's satisfaction that the tenderer, at the time of submission of its tender, is from an eligible source country as defined under paragraph 2.1.
- 2.12.3 The documentary evidence of the tenderers qualifications to perform the contract if its tender is accepted shall be established to the KRA's satisfaction;
  - (a) that, in the case of a tenderer offering to supply goods under the contract which the tenderer did not manufacture or otherwise produce, the tenderer has been duly authorized by the goods' Manufacturer or producer to supply the goods;
  - (b) that the tenderer has the financial, technical, and production capability necessary to perform the contract; and
  - (c) that, in the case of a tenderer not doing business within Kenya, the tenderer is or will be (if awarded the contract) represented by an Agent in Kenya equipped, and able to carry out the Tenderer's maintenance,

repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

## **2.13 Goods Eligibility and Conformity to Tender Documents**

- 2.13.1 Pursuant to paragraph 2.2 of this section, the tenderer shall furnish, as part of its tender documents establishing the eligibility and conformity to the tender documents of all goods which the tenderer proposes to supply under the contract.
- 2.13.2 The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 2.13.3 The documentary evidence of conformity of the goods to the tender documents may be in the form of literature, drawings, and data, and shall consist of:
- (a) a detailed description of the essential technical and performance characteristic of the goods;
  - (b) a list giving full particulars, including available source and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods.
  - (c) a clause-by-clause commentary on the KRA's Technical Specifications demonstrating substantial responsiveness of the goods and service to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 2.13.4 For purposes of the documentary evidence to be furnished pursuant to paragraph 2.13.3(c) above, the tenderer shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procurement entity in its Technical Specifications, are intended to be descriptive only and not restrictive. The tenderer may substitute alternative standards, brand names, and/or catalogue numbers in its tender, provided that it demonstrates to the Procurement entity's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

## 2.14

### **Tender Security**

- 2.14.1 Tenders must be accompanied with a Tender Security in the form of Cash Deposit, Bank Guarantee, Insurance Company Guarantee or a Letter of Credit. The amount of tender security required is Kenya Shillings Fifty Thousand Only (**Kshs. 50,000.00 valid until 10<sup>th</sup> June, 2020**) or the equivalent in freely convertible currency. The original Tender security should be dropped in the Tender security box.

## 2.15

### **Validity of Tenders**

- 2.15.1 Tenders shall remain valid for **335 days** or as specified in the Invitation to Tender after the date of tender opening prescribed by the KRA, pursuant to paragraph 2.18. A tender valid for a shorter period shall be rejected by the KRA as non-responsive.
- 2.15.2 In exceptional circumstances, the KRA may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tender security provided under paragraph 2.14 shall also be suitably extended. A tenderer may refuse the request without forfeiting its tender security. A tenderer granting the request will not be required nor permitted to modify its tender.

## 2.16

### **Format and Submitting of Tender**

- 2.16.1 Bidders to note that the **TECHNICAL AND FINANCIAL proposal shall be combined. The Bids** shall be submitted through the KRA supplier Portal. Combined technical & Financial Proposal Shall be submitted as one document to the Notes and attachments section.
- 2.16.2 The tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly authorized to bind the tenderer to the contract. The latter authorization shall be indicated by written power-of-attorney accompanying the tender. All pages of the tender, except for unamended printed literature, shall be initialed by the person or persons signing the tender.
- 2.16.3 The tender shall have no interlineations, erasures, or overwriting except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender.

## **2.17**

### **Deadline for Submission of Tenders**

- 2.17.1 Tenders must be submitted to KRA through the supplier portal not later than **11<sup>TH</sup> June 2019 AT 11.00AM**. The system shall not permit submission after the said date and time.

KRA may, at its discretion, extend this deadline for the submission of tenders by amending the tender documents in accordance with paragraph 2.6, in which case all rights and obligations of KRA and candidates previously subject to the deadline will therefore be subject to the deadline as extended.

## **2.18**

### **Modification and Withdrawal of Tenders**

- 2.18.1 The tenderer may modify the tender after submission and resubmit to the Notes and attachment Section. Tenderer to note that before resubmission all prior version/document must be deleted. A bidder should only submit one document.
- 2.18.2 The Tenderers may withdraw their submissions prior to the tender closing date and time through the supplier portal. A tender once withdrawn cannot be resubmitted.
- 2.18.3 The KRA may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 2.18.4 The KRA shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.

## **2.19**

### **Opening of Tenders**

- 2.19.1 KRA shall open all the submitted tenders in the presence of tenderers' representatives who choose to attend, in the location specified in the Invitation to Tender. The combined Technical and Financial proposal shall be opened at **11:00 AM** on **11<sup>th</sup> June, 2019**.  
The tenderers' representatives who are presence shall sign a register evidencing their attendance.
- 2.19.2 The tenderers' names, tender modifications or withdrawals, tender prices, discounts and the presence or absence of requisite tender security and such other details as the KRA, at its discretion, may consider appropriate, will be announced at the opening.
- 2.19.3 The KRA will prepare minutes of the tender opening.

## **2.20 Clarification of Tenders**

- 2.20.1 To assist in the examination, evaluation and comparison of tenders the KRA may, at its discretion, ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or substance of the tender shall be sought, offered, or permitted.
- 2.20.2 Any effort by the tenderer to influence the KRA in the KRA's tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderers' tender.

## **2.21 Preliminary Examination**

- 2.21.1 The KRA will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.
- 2.21.2 The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity. If there is a discrepancy between words and figures the amount in words will prevail.
- 2.21.3 The KRA may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any tenderer.
- 2.21.4 Prior to the detailed evaluation, pursuant to paragraph 2.23 the KRA will determine the substantial responsiveness of each tender to the tender documents. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender documents without material deviations. The KRA's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- 2.21.5 If a tender is not substantially responsive, it will be rejected by the KRA and may not subsequently be made responsive by the tenderer by correction of the non conformity.

## **2.22 Conversion to Single Currency**

- 2.22.1 Where other currencies are used, the KRA will convert these currencies to Kenya Shillings using the selling exchange rate on the date of tender closing provided by the Central Bank of Kenya.

## **2.23**

### **Evaluation and Comparison of Tenders**

- 2.23.1 The KRA will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to paragraph 2.22.
- 2.23.2 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 2.23.3 A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

## **2.24**

### **Preference**

- 2.24.1 Kenya Revenue Authority does not allow any margin of preference.

## **2.25**

### **Contacting the Kenya Revenue Authority**

- 2.25.1 Subject to paragraph 2.21 no tenderer shall contact the KRA on any matter related to its tender, from the time of the tender opening to the time the contract is awarded.
- 2.25.2 Any effort by a tenderer to influence the KRA in its decisions on tender, evaluation, tender comparison, or contract award may result in the rejection of the Tenderer's tender.

## **2.26**

### **Award of Contract**

#### **(a) Post-qualification**

- 2.26.1 In the absence of pre-qualification, the KRA will determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated responsive tender is qualified to perform the contract satisfactorily.
- 2.26.2 The determination will take into account the tenderer financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, pursuant to paragraph 2.12.3 as well as such other information as the KRA deems necessary and appropriate.
- 2.26.3 An affirmative determination will be a prerequisite for award of the contract to the tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the KRA will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform satisfactorily.

#### **(b) Award Criteria**

- 2.27.4 The KRA will award the contract to the successful tenderer(s) whose tender has been determined to be substantially responsive and has been determined to be the lowest evaluated tender, provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.

#### **(c) KRA's Right to Vary Quantities**

- 2.27.5 The KRA reserves the right at the time of contract award to increase or decrease the quantity of goods originally specified in the Schedule of requirements without any change in unit price or other terms and conditions

**(d) KRA's Right to Accept or Reject Any or All Tenders**

2.27.6 The KRA reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the KRA's action.

**2.28 Notification of Award**

2.28.1 Prior to the expiration of the period of tender validity, the KRA will notify the successful tenderer in writing that its tender has been accepted.

2.28.2 The notification of award will constitute the formation of the Contract but will have to wait until the contract is finally signed by both parties.

2.28.3 Upon the successful Tenderer's furnishing of the performance security pursuant to paragraph 2.28, KRA will promptly notify each unsuccessful Tenderer and will discharge its tender security, pursuant to paragraph 2.14.

**2.29 Signing of Contract**

2.29.1 At the same time as the KRA notifies the successful tenderer that its tender has been accepted, KRA will send the tenderer the Contract Form provided in the tender documents, incorporating all agreements between the parties.

2.29.2 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.

2.29.3 Within thirty (30) days of receipt of the Contract Form, the successful tenderer shall sign and date the contract and return it to the KRA.

**2.30 Performance Security**

2.30.1 Within Thirty (30) days of the receipt of notification of award from the KRA, the successful tenderer shall Furnish KRA with performance security ( 10% of the contract Value) in accordance with the Form provided in the tender documents, or in another form acceptable to the KRA.



2.30.2 Failure of the successful tenderer to comply with the requirements of paragraph 2.27 or paragraph 2.28 shall constitute sufficient grounds for the annulment of the award in which event the KRA may make the award to the next lowest evaluated Candidate or call for new tenders.

## **2.31 Corrupt or Fraudulent Practices**

2.31.1 The KRA requires that tenderers' observe the highest standard of ethics during the procurement process and execution of contracts when used in the present regulations, the following terms are defined as follows;

- (i) "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Kenya Revenue Authority, and includes collusive practice among tenderer (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Kenya Revenue Authority of the benefits of free and open competition;

2.31.2 The Kenya Revenue Authority will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

2.31.3 Further a tenderer who is found to have indulged in corrupt or fraudulent practices risks being debarred from participating in public procurement in Kenya.

### Appendix to Instructions to Tenderers

The following information regarding the particulars of the tender shall complement supplement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provision of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the instructions to tenderers.

| <b>INSTRUCTIONS TO TENDERERS REFERENCE</b> | <b>PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS</b>  |
|--|--|
| 2.1.1                                      | The tender is <b>OPEN</b> for the Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract.   |
| 2.1.2                                      | Declaration of No Conflict of Interest is incorporated in the Confidential Business Questionnaire.   |
| 2.1.3                                      | Bidders may download the tender documents free of charge from the Kenya Revenue Authority website www.kra.go.ke.   |
| 2.1.4                                      | Tender Validity Period is <b>335 days</b> from <b>11<sup>th</sup> June, 2019</b>   |
| 2.14.1                                     | The amount of tender security required is Kenya Shillings Fifty Thousand Only ( <b>Kshs. 50,000.00 valid until 10<sup>th</sup> June 2020</b> ) or the equivalent in freely convertible currency.   |
| 2.2.1                                      | Tender prices are to be quoted in Kenya Shillings Only.<br>The technical specifications are given on pages 28  |
| 2.2.2                                      | The bidder must provide an appropriate written power of attorney establishing the authorization of the signatory to the tender documents to bind the bidder.   |
| 2.2.3                                      | <i><b>This tender is based on ONE (1) bid system. The bidder shall submit combined technical and financial proposals electronically via the supplier portal in the Notes and attachment Section of the RFX (Tender). The Tender shall open on 11<sup>th</sup> June, 2019 at 11:00 hours, local time,</b></i><br><b>Place: Convention Centre on the 5<sup>th</sup> Floor of Times Tower</b> |
| 2.3  | Opening of tender documents will be done in public at the time of closing the tender.  |
| 2.4  | Bidders are expected to examine all instructions, forms, terms, specifications, and other information in the Bidding Documents.<br>Failure to furnish all information required by the Bidding Documents or to submit a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.                 |
| 2.5  | Award shall be to the lowest evaluated responsive bidder   |
| 2.6  | The performance security required will be 10% of the Contract Value.   |

**SECTION III: GENERAL CONDITIONS OF CONTRACT**

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## **SECTION III -GENERAL CONDITIONS OF CONTRACT**

### **3.1 Definitions**

3.1.1 In this Contract, the following terms shall be interpreted as indicated:-

- (a) “The Contract” means the agreement entered into between the Procuring entity and the tenderer, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the tenderer under the Contract for the full and proper performance of its contractual obligations
- (c) “The Goods” means all of the equipment, machinery, and/or other materials, which the tenderer is required to supply to the Procuring entity under the Contract.
- (d) “The Procuring entity” means Kenya Revenue Authority (KRA), the organization purchasing the Goods under this Contract.
- (e) “The Tenderer” means the individual or firm supplying the Goods under this Contract.
- (f) “GCC” means the General Conditions of Contract
- (g) “SCC” means the Special Conditions of Contract
- (h) “Day” means calendar day

### **3.2 Application**

3.2.1 These General Conditions shall apply in all Contracts made by the Authority for the procurement installation and commissioning of equipment.

#### **3.2.2 Indemnity**

The Procuring Entity agrees to indemnify and hold harmless Contractor and its affiliates and each of their respective directors, officers, agents, employees and sub-contractors (each an “indemnitee”), and defend them from and against any and all claims ( whether during or after the term) that may arise or result from the performance of obligations under the contract by or on behalf of Contractor, except to the extent any such claims result from a breach of this contract directly attributable to the gross negligence or wilful misconduct of such indemnitee

### **3.3 Country of Origin**

3.3.1 For purposes of this clause, “Origin” means the place where the Goods were mined, grown or produced.

3.3.2 The origin of Goods and Services is distinct from the nationality of the tenderer.

**3.4 Standards**

3.4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications.

**3.5 Use of Contract Documents and Information**

3.5.1 The tenderer shall not, without the Authority's prior written consent, disclose the Contract, or any provision therefore, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Authority in connection therewith, to any person other than a person employed by the tenderer in the performance of the Contract.

3.5.2 The tenderer shall not, without the Authority's prior enumerated in paragraph 3.5.1 above.

3.5.3 Any document, other than the Contract itself, enumerated in Procuring entity and shall be returned (all copies) to the KRA on completion of the Tenderer's performance under the Contract if so required by the Authority.

3.6

**Patent Rights**

The tenderer shall indemnify the Procuring entity against all or industrial design rights arising from use of the Goods or any part thereof in the Authority's country.

3.7

**Performance Security**

3.7.1 Within thirty (30) days of receipt of the notification of Contract award, the successful tenderer shall furnish to the Procuring entity the performance security in the amount specified in Special Conditions of Contract.

3.7.2 The proceeds of the performance security shall be payable to the from the Tenderer's failure to complete its obligations under the Contract.

3.7.3 The performance security shall be denominated in the currency acceptable to the Authority and shall be in the form of a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in Kenya or abroad, acceptable to the Authority, in the form provided in the tender documents.

- 3.7.4 The performance security will be discharged by the Authority and returned to the Candidate not later than thirty (30) days following the date of completion of the Tenderer's performance obligations under the Contract, including any warranty obligations, under the Contract.

### **3.8 Inspection and Tests**

- 3.8.1 The Authority or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the Contract specifications. The Authority shall notify the tenderer in writing in a timely manner, of the identity of any representatives retained for these purposes.
- 3.8.2 The inspections and tests may be conducted in the premises of the tenderer or its subcontractor(s), at point of delivery, and/or at the Goods' final destination conducted on the premises of the tenderer or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Authority If
- 3.8.3 Should any inspected or tested goods fail to conform to the Specifications, the Procuring entity may reject the equipment, and the tenderer shall either replace the rejected equipment or make alternations necessary to make specification requirements free of costs to the Authority.
- 3.8.4 The Authority's right to inspect, test and where necessary, reject the goods after the Goods' arrival shall in no way be limited or waived by reason of the equipment having previously been inspected, tested and passed by the Procuring entity or its representative prior to the equipment delivery.
- 3.8.5 Nothing in paragraph 3.8 shall in any way release the tenderer from any warranty or other obligations under this Contract.

### **3.9**

#### **Packing**

- 3.9.1 The tenderer shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.
- 3.9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract.

### **3.10**

#### **Delivery and Documents**

- 3.10.1 Delivery of the Goods shall be made by the tenderer in accordance with the terms specified by Procuring entity in its Schedule of Requirements and the Special Conditions of Contract.

### **3.11**

#### **Insurance**

- 3.11.1 The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage, and delivery in the manner specified in the Special conditions of contract.

### **3.12**

#### **Payment**

- 3.12.1 The method and conditions of payment to be made to the tenderer under this Contract shall be specified in Special Conditions of Contract.
- 3.12.2 Payments shall be made promptly by the KRA as specified in the contract.

- 3.12.3 **Indemnity**

The Procuring Entity agrees to indemnify and hold harmless Contractor and its affiliates and each of their respective directors, officers, agents, employees and sub-contractors (each an “indemnatee”), and defend them from and against any and all claims ( whether during or after the term) that may arise or result from the performance of obligations under the contract by or on behalf of Contractor, except to the extent any such claims result from a breach of this contract directly attributable to the gross negligence or wilful misconduct of such indemnatee

### **3.13**

#### **Prices**

- 3.13.1 Prices charged by the tenderer for goods delivered and services performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tenderer in its tender.
- 3.13.2 Contract price variations shall not be allowed for contracts not exceeding **one (1) year**.
- 3.13.3 Where contract price variation is allowed, the variation shall not exceed 10% of the original contract price.
- 3.13.4 Price variation request shall be processed by the procuring entity within 30 days of receiving the request.

### **3.14**

#### **Assignment**

- 3.14.1 The tenderer shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Authority's prior written consent.

### **3.15**

#### **Subcontracts**

- 3.15.1 The tenderer shall notify the Procuring entity in writing of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in the original tender or later, shall not relieve the tenderer from any liability or obligation under the Contract.

### **3.16**

#### **Termination for Default**

- 3.16.1 The Authority may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tenderer, terminate this Contract in whole or in part:
  - (a) if the tenderer fails to deliver any or all of the goods within the period(s) specified in the Contract, or within any extension thereof granted by the Authority;
  - (b) if the tenderer fails to perform any other obligation(s) under the Contract;
  - (c) if the tenderer, in the judgment of the Authority has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 3.16.2 In the event the Authority terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, equipment similar to those undelivered, and the tenderer shall be liable to the Procuring entity for any excess costs for such similar goods.

### **3.17**

#### **Liquidated Damages**

- 3.17 If the tenderer fails to deliver any or all of the goods within the period(s) specified in the contract, the procuring entity shall, without prejudice to its other remedies under the contract, deduct from the contract



prices liquidated damages sum equivalent to 0.5% of the delivered price of the delayed items up to a maximum deduction of 10% of the delayed goods. After this the tenderer may consider termination of the contract.

**3.18 Resolution of Disputes**

- 3.18.1 The Authority and the tenderer shall make every effort to resolve amicably by direct informal negotiation and disagreement or dispute arising between them under or in connection with the contract
- 3.18.2 If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require adjudication in an agreed national or international forum, and/or international arbitration.

**3.19 Language and Law**

- 3.19.1 The language of the contract and the law governing the contract shall be English language and the Laws of Kenya respectively unless otherwise stated.

**3.20 Force Majeure**

- 3.20.1 The tenderer shall not be liable for forfeiture of its performance security or termination for default if and to the extent that it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

**3.20 Notices**

- 3.18.1 Any notices given by one party to the other pursuant to this contract shall be sent to the other by post, Fax or Email and confirmed in writing to the other party's address specified in SCC.
- 3.18.2 A notice shall be effective when delivered or on the notices effective date, whichever is later.

## SECTION IV - SPECIAL CONDITIONS OF CONTRACT

- 4.1. Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, between the GCC and the SCC, the provisions of the SCC herein shall prevail over these in the GCC.
- 4.2. Special conditions of contract as relates to the GCC.

| REFERENCE OF GCC | SPECIAL CONDITIONS OF CONTRACT  |
|------------------|---|
| 3.7              | <p><b>Performance Security</b></p> <p>The performance bond must be issued in the form of a bank guarantee. The bank guarantee must be valid in Kenya and be at least 10% of the contract value.</p>   |
| 3.9              | <p><b>Packaging</b></p> <p>The tenderer shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.</p>  |
| 3.10             | <p><b>Delivery</b></p> <p>Supply, Delivery, Installation &amp; Commissioning of a Centralized End User Computing Solution at Times Tower or any other place specified in the Local service order within the period indicated by the successful bidder(s) from the date of receiving the Local Purchase Order (LPO).</p>   |
| 3.12             | <p><b>Payment Terms</b></p> <p>The Kenya Revenue Authority (KRA) payment terms are that payment shall be made within thirty (30) days from the date of delivery and provision of all supporting documents. However, KRA may negotiate mutually acceptable payment terms with the successful tenderer.</p>   |
| 3.13             | <p><b>Prices</b></p> <p>Prices charged by the tenderer for goods delivered and services performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tenderer in its tender. All prices quoted by the tenderers must be inclusive of all taxes. Price variation shall not be allowed for a contract of a period of less than One (1) year.</p>   |
| 3.17             | <p><b>Liquidated Damages</b></p> <p>If the delivery date is extended (except by mutual consent) a penalty amounting to 0.5% of the total cost will be charged per day up to a maximum of twenty (20) days. No deliveries shall be accepted after the twentieth working day in which case the LPO will automatically lapse and be deemed to have been cancelled at the close of business on the twentieth day. The Authority shall then be at liberty to realize the performance bond. In this clause, “<b>days</b>” means working days.</p> |
| 3.18             | <p><b>Resolutions of Disputes</b></p> <p>Any dispute, controversy or claim between the Parties arising out of this Contract or the breach, termination or invalidity</p>  |

thereof, unless settled amicably under the preceding paragraph of this Article within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, shall be referred by either Party to arbitration in accordance with the Nairobi Centre for International Arbitration (Arbitration) Rules 2015, made under the Nairobi Centre for International Arbitration Act, 2013. *The place of arbitration shall be Nairobi.* The arbitral tribunal shall have no authority to award punitive damages. In addition, unless otherwise expressly provided in this Contract, the arbitral tribunal shall have no authority to award interest. The parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

3.19 The language of all correspondence and documents related to the bid is: **English**. Unless explicitly specified in the Technical Requirements section, the key passages of all accompanying printed literature in any other language must be translated into the above language.

3.21

**Kenya Revenue Authority**

**Deputy Commissioner-Supply Chain Management**

**Times Tower Building, 25th Floor,**

**P.O Box 48240– 00100 GPO, Tel.**

**+254 020 310900**

**Fax No. +254 020 215809**

**Nairobi, Kenya.**

**Email [eprocurement@kra.go.ke](mailto:eprocurement@kra.go.ke)**

**website: [www.kra.go.ke](http://www.kra.go.ke)**

## SECTION V - TECHNICAL SPECIFICATIONS

### 5.1 General

This tender covers the **Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract**

#### MINIMUM TECHNICAL REQUIREMENTS

##### Instructions to Bidders

5.1.1 Bidders are required to fill the table below or use its format to respond.

5.1.1.1 Bidders **MUST** fill both the minimum technical specifications document.

3. Bidders **MUST** provide substantive responses **FOR ALL FEATURES** irrespective of any attached technical documents. Use of **YES, NO, TICK, BLANK/ EMPTY SPACES, COMPLIANT ETC** will be considered non-responsive.

4. Bidders **MUST** append official company stamp and authorized signature on all attached technical data sheets.

#### PART I – GENERAL

**Table 1A**

|          | <u>REQUIREMENT</u>   | <u>BIDDER'S RESPONSE</u> |
|----------|--|--------------------------|
| <b>1</b> | <b>Company Profile</b>   |                          |
| 1.1      | Business Name & address  |                          |
| <b>2</b> | <b>Physical Location</b>   |                          |
| 2.1      | State the precise physical address of the Firm.<br><br>State radius from KRA Offices to the premises (Not more than 15km)  |                          |
| 2.2      | State other dealers in the country and Towns located   |                          |
| 2.3      | State if owned or leased and attach copy of title or lease documents and latest utility bill.  |                          |
| <b>3</b> | <b>Building/Premises</b>   |                          |
| 3.1      | Describe the structures in your premises stating the mode or method of construction of the business premises.<br><i>Whether permanent or temporary structure</i> |                          |
| 3.2      | Describe the surface finishes:<br><br>a) Offices- Floor and walls to be constructed of concrete or heavy gauge metal.  |                          |

|     |  |  |
|-----|--|--|
|     | <p>b) Workshop area –</p> <p>i) Floor area to be constructed of concrete</p> <p>ii) Walls to be either of concrete or heavy metal gauge</p> <p>c) Stores- Floor and walls to be constructed of concrete or heavy gauge metal</p> |  |
| 3.3 | <p>Securing of the business premises.</p> <p>Specify.</p>  |  |
| 3.4 | <p>State the facilities incorporated in the business premises. (Amenities)</p>   |  |

**Table 1B**

|          | <u>REQUIREMENT</u>                                      | <u>BIDDER'S RESPONSE</u> |
|----------|---|--------------------------|
| <b>4</b> | <b>Equipment</b>  |                          |
|          | State/itemize the Equipment available in your premises. |                          |

**Table 1C**

|          | <u>REQUIREMENT</u>   | <u>BIDDER'S RESPONSE</u> |
|----------|--|--------------------------|
| <b>5</b> | <b>Tools</b>   |                          |
|          | State/itemize the Workshop Tool-Kits available in your premises.   |                          |
| <b>6</b> | <b>Workshop Procedures</b>   |                          |
| 6.1      | State the Workshop procedures in place   |                          |
| <b>7</b> | <b>House Keeping</b>   |                          |
| 7.1      | State the method of disposal of used parts, oils, filters, cleansing rags, masking papers used paint tins etc. |                          |
| 7.2      | State the Garage's water supply and Sanitation Practice  |                          |

**Table 1D**

|           | <b><u>REQUIREMENT</u></b>   |                                     | <b><u>BIDDER'S RESPONSE</u></b> |                       |                |                            |
|-----------|---|-------------------------------------|---------------------------------|-----------------------|----------------|----------------------------|
| <b>8</b>  | <b>Personnel</b>  |                                     |                                 |                       |                |                            |
| 8.1       | Number and Positions of Key Staff   |                                     |                                 |                       |                |                            |
| 8.2       | Qualifications of Key Staff   |                                     |                                 |                       |                |                            |
| 8.3       | No. of Skilled Permanent Workers  |                                     |                                 |                       |                |                            |
| 8.4       | No. of Skilled Temporary Workers  |                                     |                                 |                       |                |                            |
| <b>9</b>  | <b>Insurance</b>  |                                     |                                 |                       |                |                            |
| 9.1       | State Details of Insurance held for premises (i.e. Type of Cover, Insurer and Date of Expiry)   |                                     |                                 |                       |                |                            |
| <b>10</b> | <b>Experience</b>   |                                     |                                 |                       |                |                            |
| 10.1      | State the number of years of the Garage has been in active operation.   |                                     |                                 |                       |                |                            |
|           | <b>Reputation</b>   |                                     |                                 |                       |                |                            |
|           | List details of three major clients, summary of services rendered, value of contracts and contact person, address and telephone numbers |                                     |                                 |                       |                |                            |
|           | <b>Name of Client</b>   | <b>Summary of Services Rendered</b> | <b>Value of Contract(s)</b>     | <b>Contact Person</b> | <b>Address</b> | <b>Telephone Number(s)</b> |
| 1         |   |                                     |                                 |                       |                |                            |
| 2         |   |                                     |                                 |                       |                |                            |
| 3         |   |                                     |                                 |                       |                |                            |
|           |   |                                     |                                 |                       |                |                            |

**DISTRIBUTION OF SERVICE CENTRES WITHIN THE COUNTRY**

**Table 1E**

| <b>NO</b> | <b>REGION</b>        | <b>TOWN</b> | <b>BIDDER'S RESPONSE</b> |
|-----------|----------------------|-------------|--------------------------|
| <b>1</b>  | <b>Nairobi</b>       |             |                          |
| <b>2</b>  | <b>Coast</b>         |             |                          |
| <b>3</b>  | <b>Rift Valley</b>   |             |                          |
| <b>4</b>  | <b>Central</b>       |             |                          |
| <b>5</b>  | <b>Eastern</b>       |             |                          |
| <b>6</b>  | <b>North Eastern</b> |             |                          |

**Note**

**Bidder's Signature ----- Official Stamp ----- Date -----**

**SECTION VI - SCHEDULE OF REQUIREMENTS**

**Procurement Item**

| <b>Item</b> | <b>Description</b>   |
|-------------|--|
| 1.          | <b>PROVISION OF MAINTENANCE AND REPAIR SERVICES FOR KRA MOTOR VEHICLE AND MOTORCYCLE- TWO (2) YEARS FRAMEWORK CONTRACT</b> |

**Instructions on Submission of Bids**

The Tenderer must submit combined **Technical and Financial Proposals**

The Proposals shall comprise of the following documents presented in the order given:

**Section Document**  
**Technical proposal**

- A Business Permit
- B Power of Attorney (Sole Proprietors Exempted)
- C Confidential Business Questionnaire
- D Business Registration Certificate/Certificate of Incorporation
- E Valid Tax Compliance Certificate
- H Reference Letter from Bank
- I Details of three (3) major Clients
- J Clause-by-Clause response for the requirements in Section
- K Price Schedule
- L Form of tender (dully filled, signed and stamped)

**NOTE:**

***Combined Technical and Financial proposals to be*** submitted to the notes and attachment section.



## TENDER EVALUATION

### a) Tender Responsiveness Criteria

The submission of the following items will be required in the determination of the completeness of the Bid. Bids that do not contain the following information required will be declared non responsive and shall not be evaluated further.

|    | <b>MANDATORY REQUIREMENTS</b>   |
|----|---|
| 1. | <b>Submission of Tender Documents</b><br><input type="checkbox"/> Power of Attorney <sup>1</sup> ( exempt for Sole Proprietors)                                       |
| 2. | <b>Company Profile</b><br>Attach copy of Registration of Business/Certificate of Incorporation<br>Duly Filled, Signed and Stamped Confidential Business Questionnaire |
| 3. | <b>Proof of Financial Resources</b><br>Reference Letter from Bank confirming operation of an account  |
| 4. | Valid Tax Compliance Certificate  |
| 5. | Business Permit   |
| 6. | Tender Security- <b>Kshs 50,000.00</b> valid until <b>10<sup>th</sup> June, 2020</b>  |

**b) Vendor Evaluation Criteria**

The following criteria will be used in the evaluation of all potential suppliers.  
The documents submitted will be evaluated for suitability and a bidder shall either pass or fail.

| Description of Criteria  | Maximum Score | Cut off score |
|--|---------------|---------------|
| <p><b>Managerial and Key Personnel Competency Profiles</b><br/>C.Vs including relevant technical experience for at least two (2) relevant key staff in relation to procurement items as required in the schedule of requirements.</p> <p><i>Academic qualification</i></p> <p>Degree .....2 marks</p> <p>Diploma .....1 marks</p> <p><i>Relevant technical experience</i></p> <p>Over 5 years' experience.....3 marks</p> <p>3-5years' experience. ....2 marks</p> <p>1-2 years' experience. ....1 marks</p> | 10            | 7             |
| <p><b>Experience/Reputation</b></p> <p>Proof of satisfactory service for contracts of similar or higher value executed within the last three (3) years. Submit reference letters from at least two (2) clients accompanied by either an order or a signed contract document.</p> <p><i>Reference letter should have full contacts; postal address, telephone and email.</i></p>  | 10            | 5             |
| <b>Total Score</b>   | <b>20</b>     | <b>12</b>     |

**(d) Overall Tender Evaluation Criteria**

The tender evaluation criteria is weighted as follows; -

| Criteria              | Maximum Score/Requirement | Cut Off Mark |
|-----------------------|---------------------------|--------------|
| Tender Responsiveness | <b>Mandatory</b>          | Met          |
| Vendor Evaluation     | <b>20</b>                 | 12           |
| Technical Evaluation  | <b>Pass/Fail</b>          | Met          |

|                      |  |
|----------------------|--|
| Financial Evaluation | <b>Award shall be to the bid with the lowest evaluated price</b> |
|----------------------|--|

## PRICE SCHEDULE

### PART II - PRICE SCHEDULE FOR PROVISION OF SCHEDULED MAINTENANCE & REPAIRS.

The bid prices shall be submitted in the form provided below

### FRAMEWORK RATES IN KES FOR PROVISION OF SCHEDULED MAINTENANCE & REPAIRS UPTO A MAXIMUM SPEND OF KSHS. 160,000,000.00 PER YEAR.

#### 1. MOTOR VEHICLE MAINTENANCE SERVICE CHECKLIST

| No. | Service Type | Distance Covered (Kms) | Engine Compartment                                      |
|-----|--------------|------------------------|---|
| 1   | Minor        | 5,000                  | Replace engine oil                                      |
|     |              |                        | Replace oil filter                                      |
|     |              |                        | Clean battery terminal and Inspect gravity              |
|     |              |                        | Inspect tightness and condition of drive belts          |
|     |              |                        | Replace fuel Filter and Filter Element                  |
|     |              |                        | Inspect coolant level – Top up if necessary             |
|     |              |                        | Inspect windscreen wash fluid – top up if necessary     |
|     |              |                        | Inspect brake fluid level –top up if necessary          |
|     |              |                        | Inspect clutch fluid level –top up if necessary         |
|     |              |                        | Inspect power steering fluid level –top up if necessary |
|     |              |                        | Inspect clean air cleaner elements & pollen filter      |
|     |              |                        | Inspect tightness of nuts and bolts on engine           |
|     |              |                        | <b>Inspect vehicle and issue defect report</b>          |
| 2   | Medium       | 20,000                 | Replace engine oil                                      |
|     |              |                        | Replace oil filter                                      |
|     |              |                        | Clean battery terminal and Inspect gravity              |
|     |              |                        | Inspect tension and condition of drive belts            |
|     |              |                        | Replace spark plugs where applicable                    |
|     |              |                        | Replace air cleaner element                             |
|     |              |                        | Replace fuel Filter and Filter Element                  |
|     |              |                        | Inspect windscreen wash fluid – top up if necessary     |

|          |              |               |  |
|----------|--------------|---------------|--|
|          |              |               | Inspect clutch fluid level –top up if necessary                                  |
|          |              |               | Inspect brake fluid level –top up if necessary                                   |
|          |              |               | Inspect power steering fluid level –top up if necessary                          |
|          |              |               | Inspect cooling and heater system ,hoses and clamps                              |
|          |              |               | Pressure test of cooling system and radiator cap                                 |
|          |              |               | Inspect ignition timing, idle speed and C/O (where applicable)                   |
|          |              |               | <b>Inspect vehicle and issue defect report</b>                                   |
| <b>3</b> | <b>Major</b> | <b>40,000</b> | Replace engine oil   |
|          |              |               | Replace oil filter   |
|          |              |               | Clean battery terminal and Inspect gravity                                       |
|          |              |               | Inspect tension and condition of drive belts                                     |
|          |              |               | Replace spark plugs contact points   |
|          |              |               | Clean distributor cap and rotor arm (petrol cars)                                |
|          |              |               | Replace fuel Filter and Filter Element   |
|          |              |               | Inspect windscreen wash fluid – top up if necessary                              |
|          |              |               | Inspect clutch fluid level –top up if necessary, (replace every 80,000km)        |
|          |              |               | Replace brake fluid  |
|          |              |               | Inspect power steering fluid level –top up if necessary (replace every 80,000km) |
|          |              |               | Replace air cleaner element & pollen filter if necessary                         |
|          |              |               | Inspect cooling and heater system, hoses and clamps                              |
|          |              |               | Pressure test of cooling system and radiator cap                                 |
|          |              |               | Replace engine coolant   |
|          |              |               | Inspect ignition timing idle speed and C/O where applicable                      |
|          |              |               | <b>Inspect vehicle and issue defect report</b>                                   |

**SERVICE PRICE LIST (All Motor Vehicle/Cycle Brands & Models)**

**TABLE 2: ALL MODELS**

| All prices include labor, parts, sundries and VAT Applicable in Ksh.(use genuine parts only) |   |  |                        |                     |                         |                     |                       |                     |
|--|---|--|------------------------|---------------------|-------------------------|---------------------|-----------------------|---------------------|
| NO   | MODEL   | APPROXIMATE<br>NO. OF MOTOR<br>VEHICLE | SERVICE "A"<br>(MINOR) |                     | SERVICE "B"<br>(MEDIUM) |                     | SERVICE "C"<br>MAJOR) |                     |
|  |   |  | COST                   | DURATION<br>(HOURS) | COST                    | DURATION<br>(HOURS) | COST                  | DURATION<br>(HOURS) |
| <b>TOYOTA MODELS</b>   |   |  |                        |                     |                         |                     |                       |                     |
| 1  | TOYOTA<br>PRADO (1KZ)                               | 5                                      |                        |                     |                         |                     |                       |                     |
| 2  | TOYOTA<br>PRADO (1KD)                               | 1                                      |                        |                     |                         |                     |                       |                     |
| 3  | TOYOTA<br>PRADO (3RZ)<br>PETROL                     | 1                                      |                        |                     |                         |                     |                       |                     |
| 4  | TOYOTA<br>PRADO (5L)<br>DIESEL                      | 1                                      |                        |                     |                         |                     |                       |                     |
| 5  | TOYOTA<br>COROLLA (2ZR:<br>ZRE- 152R, ZRE-<br>182R) | 9                                      |                        |                     |                         |                     |                       |                     |
| 6  | TOYOTA<br>COROLLA (1ZZ)                             | 29                                     |                        |                     |                         |                     |                       |                     |
| 7  | TOYOTA LAND<br>CRUISER (HZJ<br>79)                  | 47                                     |                        |                     |                         |                     |                       |                     |
| 8  | TOYOTA HIACE<br>(2L LH 114)<br>DIESEL               | 7                                      |                        |                     |                         |                     |                       |                     |
| 9  | TOYOTA HIACE<br>(2KD) DIESEL                        | 7                                      |                        |                     |                         |                     |                       |                     |
| 10   | TOYOTA HIACE<br>(RZH 114)<br>PETROL                 | 10                                     |                        |                     |                         |                     |                       |                     |
| 11   | TOYOTA<br>D/CAB<br>(5L-LAN 25 )                     | 17                                     |                        |                     |                         |                     |                       |                     |
| 12   | TOYOTA<br>D/CAB (2KD:<br>KUN25R,<br>KUN125R)        | 35                                     |                        |                     |                         |                     |                       |                     |

|  |  |    |  |  |  |  |  |  |
|--|--|----|--|--|--|--|--|--|
|  |  |    |  |  |  |  |  |  |
| 13   | TOYOTA<br>D/CAB<br>2GD GUN 125R        | 25 |  |  |  |  |  |  |
| 14   | TOYOTA<br>D/CAB<br>(LAN 166: 3L)       | 15 |  |  |  |  |  |  |
| <b>All prices include labor, parts, consumable, lubricants and VAT (Ksh.). NB;- Mention the duration of attending to the motor vehicle or lead time use genuine parts only</b> |  |    |  |  |  |  |  |  |
| <b>NISSAN MODELS</b>   |  |    |  |  |  |  |  |  |
| 15   | NISSAN URVAN<br>E26 (YD25 )            | 29 |  |  |  |  |  |  |
| 16   | NISSAN URVAN<br>(TD27)                 | 8  |  |  |  |  |  |  |
| 17   | NISSAN<br>D/CABNP300<br>(YD25 )        | 15 |  |  |  |  |  |  |
| 18   | NISSAN D/CAB<br>( ZD30 PATROL)         | 2  |  |  |  |  |  |  |
| <b>All prices include labor, parts, consumable, lubricants and VAT (Ksh.). NB;- Mention the duration of attending to the motor vehicle or lead time use genuine parts only</b> |  |    |  |  |  |  |  |  |
| <b>ISUZU MODELS</b>  |  |    |  |  |  |  |  |  |
| 19   | ISUZU LORRY(<br>FRR)                   | 1  |  |  |  |  |  |  |
| 20   | ISUZU LORRY<br>(FSR)                   | 1  |  |  |  |  |  |  |
| 21   | ISUZU BUS (MV<br>123)                  | 2  |  |  |  |  |  |  |
| 22   | ISUZU BUS<br>(NPR)                     | 1  |  |  |  |  |  |  |
| <b>All prices include labor, parts, consumable, lubricants and VAT (Ksh.). NB;- Mention the duration of attending to the motor vehicle or lead time use genuine parts only</b> |  |    |  |  |  |  |  |  |
| <b>VW MODEL</b>  |  |    |  |  |  |  |  |  |
| 23   | VW PASSAT<br>(CDA)                     | 2  |  |  |  |  |  |  |
| <b>All prices include labor, parts, consumable, lubricants and VAT (Ksh.). NB;- Mention the duration of attending to the motor vehicle or lead time use genuine parts only</b> |  |    |  |  |  |  |  |  |
| <b>YAMAHA MODELS</b>   |  |    |  |  |  |  |  |  |
| 24   | YAMAHA<br>MOTOR<br>CYCLES ( DT<br>175) | 51 |  |  |  |  |  |  |

|  |                                       |               |  |                |  |               |  |
|--|---------------------------------------|---------------|--|----------------|--|---------------|--|
|  | PROVIDE SERVICE MENU(CHECK LIST) FOR; | MINOR SERVICE |  | MEDIUM SERVICE |  | MAJOR SERVICE |  |
|--|---------------------------------------|---------------|--|----------------|--|---------------|--|

### **3. PRICING SCHEDULE FOR REPAIRS OF DIFERENT VEHICLES MODELS**

*Note: The number of units is as indicated in Table 2A are applicable for Table 3A to 3D.*

**TABLE 3AI: TOYOTA MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh.(use genuine parts only)</b> |  |                    |                    |                           |                          |  |                      |                              |
|---|--|--------------------|--------------------|---------------------------|--------------------------|--|----------------------|------------------------------|
|   | PART DESCRIPTION   | TOYOTA PRADO (1KZ) | TOYOTA PRADO (1KD) | TOYOTA PRADO (3RZ) PETROL | TOYOTA PRADO (5L) DIESEL | TOYOTA COROLLA (2ZR: ZRE-152R, ZRE-182R) | TOYOTA COROLLA (1ZZ) | TOYOTA LAND CRUISER (HZJ 79) |
| 1   | PROVIDE PRICES OF COMPLETE BODY RESPRAY FOR NORMAL TEAR & WEAR (WITHOUT DENTS)   |                    |                    |                           |                          |  |                      |                              |
| 2   | CARRY OUT INTERIOR BODY REPAIRS:   |                    |                    |                           |                          |  |                      |                              |
| 2.1   | Seats and upholstery repairs<br><b>(quote per one seat)</b>                      |                    |                    |                           |                          |  |                      |                              |
| 2.2   | Floor body repairs<br><b>:Front cabin floor repairs</b>                          |                    |                    |                           |                          |  |                      |                              |
|   | <b>:Rear floor repairs</b>   |                    |                    |                           |                          |  |                      |                              |
|   | Interior side body repairs<br><b>(quote per one side)</b>                        |                    |                    |                           |                          |  |                      |                              |
| 2.3   | Door covers replacement<br><b>(quote per one door)</b>                           |                    |                    |                           |                          |  |                      |                              |
| 2.4   | Interior roof repairs<br><b>: Front cabin roof repairs</b>                       |                    |                    |                           |                          |  |                      |                              |
|   | <b>: Rear roof repairs</b>   |                    |                    |                           |                          |  |                      |                              |
| 3   | Complete Engine Overhaul (Excluding Replacement of Engine block & Cylinder head) |                    |                    |                           |                          |  |                      |                              |
| 4   | Comprehensive Top Engine Overhaul (Excluding Cylinder Replacement)               |                    |                    |                           |                          |  |                      |                              |



|    |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|
| 5  | Comprehensive Bottom Engine Overhaul (Excluding Engine block & Crank shaft Replacement)              |  |  |  |  |  |  |  |  |
| 6  | Cylinder head Replacement (Complete with accessories)  |  |  |  |  |  |  |  |  |
| 7  | Gearbox Assembly Replacement   |  |  |  |  |  |  |  |  |
| 8  | Replace Timing belt/Chain complete with accessories  |  |  |  |  |  |  |  |  |
| 9  | Fitting and replacement of glasses:<br><b>Door glass(per one door)</b><br><br>and Windscreen         |  |  |  |  |  |  |  |  |
|    | <b>:window glass(per one window)</b>   |  |  |  |  |  |  |  |  |
|    | <b>:Rear wind/window shield glass</b>  |  |  |  |  |  |  |  |  |
|    | <b>:Front wind screen</b>  |  |  |  |  |  |  |  |  |
| 10 | <b>All prices include labor, parts, sundries and VAT Applicable in Ksh. (use genuine parts only)</b> |  |  |  |  |  |  |  |  |

**TABLE 3AII: TOYOTA MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh.(use genuine parts only)</b> |  |  |                                  |                                      |                                  |   |                                  |                                   |                                   |
|---|--|--|----------------------------------|--------------------------------------|----------------------------------|---|----------------------------------|-----------------------------------|-----------------------------------|
|   | <b>PART DESCRIPTION</b>  | <b>TOYOTA HIACE (2L LH 114) DIESEL</b> | <b>TOYOTA HIACE (2KD) DIESEL</b> | <b>TOYOTA HIACE (RZH 114) PETROL</b> | <b>TOYOTA D/CAB (5L-LAN 25 )</b> | <b>TOYOTA D/CAB (2KD: KUN25R, KUN125 R)</b> | <b>TOYOTA D/CAB 2GD GUN 125R</b> | <b>TOYOTA D/CAB (LAN 166: 3L)</b> | <b>YAMAHA MOTOR CYCLE(D T175)</b> |
| 1   | PROVIDE PRICES OF COMPLETE BODY RESPRAY FOR NORMAL TEAR & WEAR (WITHOUT DENTS) |  |                                  |                                      |                                  |   |                                  |                                   |                                   |
| 2   | CARRY OUT INTERIOR BODY REPAIRS:   |  |                                  |                                      |                                  |   |                                  |                                   |                                   |
| 2.1   | Seats and upholstery repairs<br><b>(quote per one seat)</b>                    |  |                                  |                                      |                                  |   |                                  |                                   |                                   |
| 2.2   | Floor body repairs<br><b>:Front cabin floor repairs</b>                        |  |                                  |                                      |                                  |   |                                  |                                   |                                   |
|   | <b>:Rear floor repairs</b>   |  |                                  |                                      |                                  |   |                                  |                                   |                                   |
|   | Interior side body repairs   |  |                                  |                                      |                                  |   |                                  |                                   |                                   |

|     |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|
|     | <b>(quote per one side)</b>  |  |  |  |  |  |  |  |  |
| 2.3 | Door covers replacement<br><br><b>(quote per one door)</b>   |  |  |  |  |  |  |  |  |
| 2.4 | Interior body roof repairs<br><br><b>: Front cabin roof repairs</b>                                  |  |  |  |  |  |  |  |  |
|     | <b>: Rear roof repairs</b>   |  |  |  |  |  |  |  |  |
| 3   | Complete Engine Overhaul<br>(Excluding Replacement of Engine<br>block & Cylinder head)               |  |  |  |  |  |  |  |  |
| 4   | Comprehensive Top Engine<br>Overhaul (Excluding Cylinder<br>Replacement)                             |  |  |  |  |  |  |  |  |
| 5   | Comprehensive Bottom Engine<br>Overhaul (Excluding Engine block<br>& Crank shaft Replacement)        |  |  |  |  |  |  |  |  |
| 6   | Cylinder head Replacement<br>(Complete with accessories)   |  |  |  |  |  |  |  |  |
| 7   | Gearbox Assembly Replacement   |  |  |  |  |  |  |  |  |
| 8   | Replace Timing belt/Chain<br>complete with accessories   |  |  |  |  |  |  |  |  |
| 9   | Fitting and replacement of glasses:<br><b>Door glass(per one door)</b><br><br><b>and Wind screen</b> |  |  |  |  |  |  |  |  |
|     | <b>:window glass(per one window</b>  |  |  |  |  |  |  |  |  |
|     | <b>:Rear wind/window shield glass</b>  |  |  |  |  |  |  |  |  |
|     | <b>:Front Windscreen</b>   |  |  |  |  |  |  |  |  |

**TABLE 3B: NISSAN MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh.(use genuine parts only)</b> |   |                                  |                           |                                 |                             |
|---|---|----------------------------------|---------------------------|---------------------------------|-----------------------------|
|   | <b>PART DESCRIPTION</b>   | NISSAN<br>URVAN<br>E26<br>(YD25) | NISSAN<br>URVAN<br>(TD27) | NISSAN<br>D/CABNP300<br>(YD25 ) | NISSAN D/CAB ( ZD30 PATROL) |
| 1   | PROVIDE PRICES OF COMPLETE BODY RESPRAY FOR NORMAL TEAR & WEAR (WITHOUT DENTS)          |                                  |                           |                                 |                             |
| 2   | CARRY OUT INTERIOR BODY REPAIRS:  |                                  |                           |                                 |                             |
| 2.<br>1   | Seats and upholstery repairs<br><b>(quote per one seat)</b>                             |                                  |                           |                                 |                             |
| 2.<br>2   | Floor body repairs<br><b>:Front cabin floor repairs</b>                                 |                                  |                           |                                 |                             |
|   | <b>:Rear floor repairs</b>  |                                  |                           |                                 |                             |
|   | Interior side body repairs<br><b>(quote per one side)</b>                               |                                  |                           |                                 |                             |
| 2.<br>3   | Door covers replacement<br><b>(quote per one door)</b>                                  |                                  |                           |                                 |                             |
| 2.<br>4   | Interior body roof repairs :<br><b>Front cabin roof repairs</b>                         |                                  |                           |                                 |                             |
|   | <b>: Rear roof repairs</b>  |                                  |                           |                                 |                             |
| 3   | Complete Engine Overhaul (Excluding Replacement of Engine block & Cylinder head)        |                                  |                           |                                 |                             |
| 4   | Comprehensive Top Engine Overhaul (Excluding Cylinder Replacement)                      |                                  |                           |                                 |                             |
| 5   | Comprehensive Bottom Engine Overhaul (Excluding Engine block & Crank shaft Replacement) |                                  |                           |                                 |                             |
| 6   | Cylinder head Replacement (Complete with accessories)                                   |                                  |                           |                                 |                             |
| 7   | Gearbox Assembly Replacement  |                                  |                           |                                 |                             |
| 8   | Replace Timing belt/Chain complete  |                                  |                           |                                 |                             |

|   |   |  |  |  |  |
|---|---|--|--|--|--|
|   | with accessories  |  |  |  |  |
| 9 | Fitting and replacement of glasses:<br><br><b>Door glass(per one door)and Wind screen</b> |  |  |  |  |
|   | <b>:window glass(per one window</b>   |  |  |  |  |
|   | <b>:Rear wind/window shield glass</b>   |  |  |  |  |
|   | <b>:Front Windscreen</b>  |  |  |  |  |

**TABLE 3C: ISUZU MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh. (use genuine parts only)</b> |   |                          |                          |                           |                        |
|--|---|--------------------------|--------------------------|---------------------------|------------------------|
|  | <b>PART DESCRIPTION</b>   | <b>ISUZU LORRY( FRR)</b> | <b>ISUZU LORRY (FSR)</b> | <b>ISUZU BUS (MV 123)</b> | <b>ISUZU BUS (NPR)</b> |
| 1  | PROVIDE PRICES OF COMPLETE BODY RESPRAY FOR NORMAL TEAR & WEAR (WITHOUT DENTS)          |                          |                          |                           |                        |
| 2  | <b>CARRY OUT INTERIOR BODY REPAIRS:</b>   |                          |                          |                           |                        |
| 2.1  | Seats and upholstery repairs( <b>quote per one seat</b> )                               |                          |                          |                           |                        |
| 2.2  | Floor body repairs <b>:Front cabin floor repairs</b>                                    |                          |                          |                           |                        |
|  | <b>:Rear floor repairs</b>  |                          |                          |                           |                        |
|  | Interior side body repairs ( <b>quote per one side</b> )                                |                          |                          |                           |                        |
| 2.3  | Door covers replacement ( <b>quote per one door</b> )                                   |                          |                          |                           |                        |
| 2.4  | Interior roof repairs <b>: Front cabin roof repairs</b>                                 |                          |                          |                           |                        |
|  | <b>: Rear roof repairs</b>  |                          |                          |                           |                        |
| 3  | Complete Engine Overhaul (Excluding Replacement of Engine block & Cylinder head)        |                          |                          |                           |                        |
| 4  | Comprehensive Top Engine Overhaul (Excluding Cylinder Replacement)                      |                          |                          |                           |                        |
| 5  | Comprehensive Bottom Engine Overhaul (Excluding Engine block & Crank shaft Replacement) |                          |                          |                           |                        |
| 6  | Cylinder head Replacement (Complete with accessories)                                   |                          |                          |                           |                        |

|   |   |  |  |  |  |
|---|---|--|--|--|--|
| 7 | Gearbox Assembly Replacement  |  |  |  |  |
| 8 | Replace Timing belt/Chain complete with accessories                                 |  |  |  |  |
| 9 | Fitting and replacement of glasses: <b>Door glass(per one door)</b> and Wind screen |  |  |  |  |
|   | <b>:window glass(per one window</b>   |  |  |  |  |
|   | <b>:Rear wind/window shield glass</b>   |  |  |  |  |
|   | <b>:Front Windscreen</b>  |  |  |  |  |

**TABLE 3D: PASSAT MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh.(use genuine parts only)</b> |   |                        |
|---|---|------------------------|
|   | <b>PART DESCRIPTION</b>   | <b>VW PASSAT (CDA)</b> |
| 1   | PROVIDE PRICES OF COMPLETE BODY RESPRAY FOR NORMAL TEAR & WEAR (WITHOUT DENTS)          |                        |
| 2   | CARRY OUT INTERIOR BODY REPAIRS:  |                        |
| 2.1   | Seats and upholstery repairs ( <b>quote per one seat</b> )                              |                        |
| 2.2   | Floor body repairs : <b>Front cabin floor repairs</b>                                   |                        |
|   | <b>:Rear floor repairs</b>  |                        |
|   | Interior side body repairs ( <b>quote per one side</b> )                                |                        |
| 2.3   | Door covers replacement( <b>quote per one side</b> )                                    |                        |
| 2.4   | Interior roof repairs : <b>Front cabin roof repairs</b>                                 |                        |
|   | <b>: Rear roof repairs</b>  |                        |
| 3   | Complete Engine Overhaul (Excluding Replacement of Engine block & Cylinder head)        |                        |
| 4   | Comprehensive Top Engine Overhaul (Excluding Cylinder Replacement)                      |                        |
| 5   | Comprehensive Bottom Engine Overhaul (Excluding Engine block & Crank shaft Replacement) |                        |
| 6   | Cylinder head Replacement (Complete with accessories)                                   |                        |
| 7   | Gearbox Assembly Replacement  |                        |
| 8   | Replace Timing belt/Chain complete with accessories                                     |                        |
| 9   | Fitting and replacement of glasses : <b>Door glass(per one door)</b> and Wind screen    |                        |
|   | <b>:window glass(per one window</b>   |                        |
|   | <b>:Rear wind/window shield glass</b>   |                        |

|    |  |  |
|----|--|--|
|    | :Front Windscreen  |  |
| 10 | All prices include labor, parts, sundries and VAT Applicable in Ksh.(use genuine parts only) |  |

**Table 4A: COMMON MAINTENANCE ITEMS TOYOTA MODEL**

| All prices include labor, parts, sundries and VAT Applicable in Ksh for replacement of part/assembly. (use genuine parts only) |                                    |                    |                    |                           |                          |  |                      |                              |
|--|------------------------------------|--------------------|--------------------|---------------------------|--------------------------|--|----------------------|------------------------------|
|  | Item Description                   | TOYOTA PRADO (1KZ) | TOYOTA PRADO (1KD) | TOYOTA PRADO (3RZ) PETROL | TOYOTA PRADO (5L) DIESEL | TOYOTA COROLLA (2ZR: ZRE-152R, ZRE-182R) | TOYOTA COROLLA (1ZZ) | TOYOTA LAND CRUISER (HZJ 79) |
| <b>1</b>   | <b>Car body and main part</b>      |                    |                    |                           |                          |  |                      |                              |
|  | Bonnet/hood                        |                    |                    |                           |                          |  |                      |                              |
|  | Bumper                             |                    |                    |                           |                          |  |                      |                              |
|  | Fender (wing or mudguard)          |                    |                    |                           |                          |  |                      |                              |
|  | Front fascia and header panel      |                    |                    |                           |                          |  |                      |                              |
|  | Grille (also called grill)         |                    |                    |                           |                          |  |                      |                              |
|  | Quarter panel                      |                    |                    |                           |                          |  |                      |                              |
|  | Radiator core support              |                    |                    |                           |                          |  |                      |                              |
|  | Rocker                             |                    |                    |                           |                          |  |                      |                              |
|  | Roof rack                          |                    |                    |                           |                          |  |                      |                              |
|  | Front spoiler ( <i>air dam</i> )   |                    |                    |                           |                          |  |                      |                              |
|  | Rear spoiler ( <i>wing</i> )       |                    |                    |                           |                          |  |                      |                              |
|  | Rims                               |                    |                    |                           |                          |  |                      |                              |
|  | Hubcap                             |                    |                    |                           |                          |  |                      |                              |
|  | Trim package                       |                    |                    |                           |                          |  |                      |                              |
|  | Trunk/boot/hatch                   |                    |                    |                           |                          |  |                      |                              |
|  | Doors                              |                    |                    |                           |                          |  |                      |                              |
|  | Front Right Outer door handle      |                    |                    |                           |                          |  |                      |                              |
|  | Front Left Side Outer door handle  |                    |                    |                           |                          |  |                      |                              |
|  | Rear Right Side Outer door handle  |                    |                    |                           |                          |  |                      |                              |
|  | Rear Left Side Outer door handle   |                    |                    |                           |                          |  |                      |                              |
|  | Front Right Side Inner door handle |                    |                    |                           |                          |  |                      |                              |
|  | Front Left Side Inner door handle  |                    |                    |                           |                          |  |                      |                              |
|  | Rear Right Side Inner door handle  |                    |                    |                           |                          |  |                      |                              |
|  | Rear Left Side Inner door handle   |                    |                    |                           |                          |  |                      |                              |
|  | Back Door Outer Door Handles       |                    |                    |                           |                          |  |                      |                              |
|  | Front Right Side Window motor      |                    |                    |                           |                          |  |                      |                              |
|  | Front Left Side Window motor       |                    |                    |                           |                          |  |                      |                              |
|  | Rear Right Side Window motor       |                    |                    |                           |                          |  |                      |                              |
|  | Rear Left Side Window motor        |                    |                    |                           |                          |  |                      |                              |
|  | Door control module                |                    |                    |                           |                          |  |                      |                              |

|   |                                     |  |  |  |  |  |  |  |
|---|-------------------------------------|--|--|--|--|--|--|--|
|   | Door seal                           |  |  |  |  |  |  |  |
|   | Door water-shield                   |  |  |  |  |  |  |  |
|   | Hinge                               |  |  |  |  |  |  |  |
|   | Door latch                          |  |  |  |  |  |  |  |
|   | Door lock and power door locks      |  |  |  |  |  |  |  |
|   | Central-locking                     |  |  |  |  |  |  |  |
|   | Fuel tank (or fuel filler) door     |  |  |  |  |  |  |  |
|   | <b>Windows</b>                      |  |  |  |  |  |  |  |
|   | Glass                               |  |  |  |  |  |  |  |
|   | Front Right Side Door Glass         |  |  |  |  |  |  |  |
|   | Front Left Side Door Glass          |  |  |  |  |  |  |  |
|   | Rear Right Side Door Glass          |  |  |  |  |  |  |  |
|   | Rear Left Side Door Glass           |  |  |  |  |  |  |  |
|   | Rear Right Quarter Glass            |  |  |  |  |  |  |  |
|   | Rear Left Quarter Glass             |  |  |  |  |  |  |  |
|   | Window motor                        |  |  |  |  |  |  |  |
|   | Window regulator                    |  |  |  |  |  |  |  |
|   | Windshield (also called windscreen) |  |  |  |  |  |  |  |
|   | Windshield washer motor             |  |  |  |  |  |  |  |
|   | Window seal                         |  |  |  |  |  |  |  |
| 2 | <b>Electrical and electronics</b>   |  |  |  |  |  |  |  |
|   | <b>Audio/video devices</b>          |  |  |  |  |  |  |  |
|   | Antenna assembly                    |  |  |  |  |  |  |  |
|   | Antenna cable                       |  |  |  |  |  |  |  |
|   | Radio and media player              |  |  |  |  |  |  |  |
|   | Speaker                             |  |  |  |  |  |  |  |
|   | Tuner                               |  |  |  |  |  |  |  |
|   | Subwoofer                           |  |  |  |  |  |  |  |
|   | Video player                        |  |  |  |  |  |  |  |
|   | Electrical supply system;           |  |  |  |  |  |  |  |
|   | Alternator                          |  |  |  |  |  |  |  |
|   | Battery Cable terminal              |  |  |  |  |  |  |  |
|   | Voltage regulator                   |  |  |  |  |  |  |  |
|   | Gauges and meters;                  |  |  |  |  |  |  |  |
|   | Odometer                            |  |  |  |  |  |  |  |
|   | Speedometer                         |  |  |  |  |  |  |  |
|   | Tachometer                          |  |  |  |  |  |  |  |
|   | Fuel gauge                          |  |  |  |  |  |  |  |
|   | Temperature gauge                   |  |  |  |  |  |  |  |
|   | Voltmeter                           |  |  |  |  |  |  |  |
|   | Water temperature meter             |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
|  | Oil pressure gauge   |  |  |  |  |  |  |  |
|  | Ignition electronic system;  |  |  |  |  |  |  |  |
|  | Sparking cable   |  |  |  |  |  |  |  |
|  | Ignition coil  |  |  |  |  |  |  |  |
|  | Spark plug   |  |  |  |  |  |  |  |
|  | Glow Plug  |  |  |  |  |  |  |  |
|  | <b>Engine bay lighting;</b>  |  |  |  |  |  |  |  |
|  | Fog light (also called foglamp)  |  |  |  |  |  |  |  |
|  | Spotlight  |  |  |  |  |  |  |  |
|  | Headlight (also called headlamp)   |  |  |  |  |  |  |  |
|  | Headlight motor  |  |  |  |  |  |  |  |
|  | Interior light and lamp  |  |  |  |  |  |  |  |
|  | License plate lamp (also called number plate lamp or registration plate lamp)  |  |  |  |  |  |  |  |
|  | Side lighting  |  |  |  |  |  |  |  |
|  | Tail light   |  |  |  |  |  |  |  |
|  | Tail light cover   |  |  |  |  |  |  |  |
|  | Indicator light  |  |  |  |  |  |  |  |
|  | turn signal control, also called the turn signal lever, also called the "turn signal stalk", typically mounted on the steering shaft behind the steering wheel |  |  |  |  |  |  |  |
|  | Sensors  |  |  |  |  |  |  |  |
|  | Airbag sensors   |  |  |  |  |  |  |  |
|  | Automatic transmission speed sensor  |  |  |  |  |  |  |  |
|  | Camshaft position sensor   |  |  |  |  |  |  |  |
|  | Crankshaft position sensor   |  |  |  |  |  |  |  |
|  | Coolant temperature sensor   |  |  |  |  |  |  |  |
|  | Fuel level sensor  |  |  |  |  |  |  |  |
|  | Fuel pressure sensor   |  |  |  |  |  |  |  |
|  | Knock sensor   |  |  |  |  |  |  |  |
|  | Light sensor   |  |  |  |  |  |  |  |
|  | MAP sensor   |  |  |  |  |  |  |  |
|  | Mass airflow sensor  |  |  |  |  |  |  |  |
|  | Oil level sensor   |  |  |  |  |  |  |  |
|  | Oil pressure sensor  |  |  |  |  |  |  |  |
|  | Oxygen sensor (o2)   |  |  |  |  |  |  |  |
|  | Throttle position sensor   |  |  |  |  |  |  |  |
|  | ABS Sensor   |  |  |  |  |  |  |  |
|  | Starting system;   |  |  |  |  |  |  |  |
|  | Starter  |  |  |  |  |  |  |  |
|  | Starter drive  |  |  |  |  |  |  |  |
|  | starter pinion gear  |  |  |  |  |  |  |  |



|   |                                       |  |  |  |  |  |  |  |
|---|---------------------------------------|--|--|--|--|--|--|--|
|   | Starter motor                         |  |  |  |  |  |  |  |
|   | Starter solenoid                      |  |  |  |  |  |  |  |
|   | Glowplug                              |  |  |  |  |  |  |  |
|   | <b>Electrical switches;</b>           |  |  |  |  |  |  |  |
|   | Battery                               |  |  |  |  |  |  |  |
|   | Door switch                           |  |  |  |  |  |  |  |
|   | Ignition switch                       |  |  |  |  |  |  |  |
|   | Power window switch                   |  |  |  |  |  |  |  |
|   | Steering column switch                |  |  |  |  |  |  |  |
|   | Switch cover                          |  |  |  |  |  |  |  |
|   | Switch panel                          |  |  |  |  |  |  |  |
|   | Thermostat                            |  |  |  |  |  |  |  |
|   | Frame switch                          |  |  |  |  |  |  |  |
|   | Fan ditch                             |  |  |  |  |  |  |  |
|   | Parts and functions of starter system |  |  |  |  |  |  |  |
|   | Neutral Safety Switch                 |  |  |  |  |  |  |  |
|   | <b>Wiring harnesses;</b>              |  |  |  |  |  |  |  |
|   | Air conditioning harness              |  |  |  |  |  |  |  |
|   | Engine compartment harness            |  |  |  |  |  |  |  |
|   | Interior harness                      |  |  |  |  |  |  |  |
|   | floor harness                         |  |  |  |  |  |  |  |
|   | Main harness                          |  |  |  |  |  |  |  |
|   | control harness                       |  |  |  |  |  |  |  |
|   |                                       |  |  |  |  |  |  |  |
|   | Air bag control module                |  |  |  |  |  |  |  |
|   | Alarm and siren                       |  |  |  |  |  |  |  |
|   | Central locking system                |  |  |  |  |  |  |  |
|   | Engine computer and management system |  |  |  |  |  |  |  |
|   | Engine control unit[ECU]              |  |  |  |  |  |  |  |
| 3 | <b>Interior</b>                       |  |  |  |  |  |  |  |
|   | Dash Panels                           |  |  |  |  |  |  |  |
|   | Dashboard                             |  |  |  |  |  |  |  |
|   | Center console                        |  |  |  |  |  |  |  |
|   | Glove compartment                     |  |  |  |  |  |  |  |
|   | Hood and trunk release cable          |  |  |  |  |  |  |  |
|   | <b>Floor components and parts</b>     |  |  |  |  |  |  |  |
|   | Carpet and other floor material       |  |  |  |  |  |  |  |
|   | Center console (front and rear)       |  |  |  |  |  |  |  |
|   | Roll cage                             |  |  |  |  |  |  |  |
|   | Car seat                              |  |  |  |  |  |  |  |
|   | Arm Rest                              |  |  |  |  |  |  |  |

|   |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
|   | Bench seat   |  |  |  |  |  |  |  |
|   | Bucket seat  |  |  |  |  |  |  |  |
|   | Fastener   |  |  |  |  |  |  |  |
|   | Headrest   |  |  |  |  |  |  |  |
|   | Seat belt  |  |  |  |  |  |  |  |
|   | Seat bracket                                       |  |  |  |  |  |  |  |
|   | Seat cover   |  |  |  |  |  |  |  |
|   | Seat track   |  |  |  |  |  |  |  |
|   | Back seat  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |
| 4 | <b>Power-train and chassis</b>                     |  |  |  |  |  |  |  |
|   | Braking system                                     |  |  |  |  |  |  |  |
|   | Anti-lock braking system                           |  |  |  |  |  |  |  |
|   | Adjusting mechanism ( <i>adjuster star wheel</i> ) |  |  |  |  |  |  |  |
|   | Anchor   |  |  |  |  |  |  |  |
|   | Bleed nipple                                       |  |  |  |  |  |  |  |
|   | Brake backing plate                                |  |  |  |  |  |  |  |
|   | Brake backing pad                                  |  |  |  |  |  |  |  |
|   | Brake cooling duct                                 |  |  |  |  |  |  |  |
|   | Brake disc   |  |  |  |  |  |  |  |
|   | Brake Fluid  |  |  |  |  |  |  |  |
|   | Brake drum   |  |  |  |  |  |  |  |
|   | Brake lining                                       |  |  |  |  |  |  |  |
|   | Brake pad  |  |  |  |  |  |  |  |
|   | Brake pedal  |  |  |  |  |  |  |  |
|   | Brake piston                                       |  |  |  |  |  |  |  |
|   | Brake pump   |  |  |  |  |  |  |  |
|   | Brake roll   |  |  |  |  |  |  |  |
|   | Brake rotor  |  |  |  |  |  |  |  |
|   | Brake servo  |  |  |  |  |  |  |  |
|   | Brake shoe   |  |  |  |  |  |  |  |
|   | Brake lining                                       |  |  |  |  |  |  |  |
|   | Shoe web   |  |  |  |  |  |  |  |
|   | Brake warning light                                |  |  |  |  |  |  |  |
|   | Calibrated friction brake                          |  |  |  |  |  |  |  |
|   | Caliper  |  |  |  |  |  |  |  |
|   | Combination valve                                  |  |  |  |  |  |  |  |
|   | Dual circuit brake system                          |  |  |  |  |  |  |  |
|   | Hold-down springs ( <i>retainer springs</i> )      |  |  |  |  |  |  |  |
|   | Hose   |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| Brake booster hose                       |  |  |  |  |  |  |  |
| Air brake nylon hose                     |  |  |  |  |  |  |  |
| Brake duct hose                          |  |  |  |  |  |  |  |
| Hydraulic booster unit                   |  |  |  |  |  |  |  |
| Load-sensing valve                       |  |  |  |  |  |  |  |
| Master cylinder                          |  |  |  |  |  |  |  |
| Metering valve                           |  |  |  |  |  |  |  |
| Other braking system parts               |  |  |  |  |  |  |  |
| Park brake lever/handle (hand brake)     |  |  |  |  |  |  |  |
| Pressure differential valve              |  |  |  |  |  |  |  |
| Proportioning valve                      |  |  |  |  |  |  |  |
| Reservoir                                |  |  |  |  |  |  |  |
| Shoe return spring                       |  |  |  |  |  |  |  |
| Tyre                                     |  |  |  |  |  |  |  |
| Vacuum brake booster                     |  |  |  |  |  |  |  |
| Wheel cylinder ( <i>slave cylinder</i> ) |  |  |  |  |  |  |  |
| Wheel stud                               |  |  |  |  |  |  |  |
| <b>Engine components and parts</b>       |  |  |  |  |  |  |  |
| Diesel engine, petrol engine             |  |  |  |  |  |  |  |
| Air duct                                 |  |  |  |  |  |  |  |
| Air intake housing                       |  |  |  |  |  |  |  |
| Air intake manifold                      |  |  |  |  |  |  |  |
| Camshaft                                 |  |  |  |  |  |  |  |
| Camshaft bearing                         |  |  |  |  |  |  |  |
| Camshaft fastener                        |  |  |  |  |  |  |  |
| Camshaft follower                        |  |  |  |  |  |  |  |
| Camshaft locking plate                   |  |  |  |  |  |  |  |
| Camshaft pushrod                         |  |  |  |  |  |  |  |
| Camshaft spacer ring                     |  |  |  |  |  |  |  |
| Camshaft phase variator                  |  |  |  |  |  |  |  |
| Connecting rod                           |  |  |  |  |  |  |  |
| Connecting rod bearing                   |  |  |  |  |  |  |  |
| Connecting rod bolt                      |  |  |  |  |  |  |  |
| Connecting rod washer                    |  |  |  |  |  |  |  |
| Crank case                               |  |  |  |  |  |  |  |
| Crank pulley                             |  |  |  |  |  |  |  |
| Crankshaft                               |  |  |  |  |  |  |  |
| Crankshaft oil seal                      |  |  |  |  |  |  |  |
| Cylinder head                            |  |  |  |  |  |  |  |
| Cylinder head cover                      |  |  |  |  |  |  |  |
| Other cylinder head cover parts          |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| Cylinder head gasket                             |  |  |  |  |  |  |  |
| Distributor                                      |  |  |  |  |  |  |  |
| Distributor cap                                  |  |  |  |  |  |  |  |
| Drive belt                                       |  |  |  |  |  |  |  |
| Engine block                                     |  |  |  |  |  |  |  |
| Engine cradle                                    |  |  |  |  |  |  |  |
| Engine shake damper and vibration absorber       |  |  |  |  |  |  |  |
| Engine valve                                     |  |  |  |  |  |  |  |
| Fan belt   |  |  |  |  |  |  |  |
| Gudgeon pin ( <i>wrist pin</i> )                 |  |  |  |  |  |  |  |
| Harmonic balancer                                |  |  |  |  |  |  |  |
| Heater   |  |  |  |  |  |  |  |
| Mounting   |  |  |  |  |  |  |  |
| Piston   |  |  |  |  |  |  |  |
| Piston pin and crank pin                         |  |  |  |  |  |  |  |
| Piston pin bush                                  |  |  |  |  |  |  |  |
| Piston ring and circlip                          |  |  |  |  |  |  |  |
| Poppet valve                                     |  |  |  |  |  |  |  |
| PCV valve (positive crankcase ventilation valve) |  |  |  |  |  |  |  |
| Pulley part                                      |  |  |  |  |  |  |  |
| Rocker arm                                       |  |  |  |  |  |  |  |
| Rocker cover                                     |  |  |  |  |  |  |  |
| Starter motor                                    |  |  |  |  |  |  |  |
| Starter pinion                                   |  |  |  |  |  |  |  |
| Starter ring                                     |  |  |  |  |  |  |  |
| Turbocharger and supercharger                    |  |  |  |  |  |  |  |
| Tappet   |  |  |  |  |  |  |  |
| Timing tape                                      |  |  |  |  |  |  |  |
| Valve cover                                      |  |  |  |  |  |  |  |
| Valve housing                                    |  |  |  |  |  |  |  |
| Valve spring                                     |  |  |  |  |  |  |  |
| Valve stem seal                                  |  |  |  |  |  |  |  |
| Water pump pulley                                |  |  |  |  |  |  |  |
| Engine cooling system                            |  |  |  |  |  |  |  |
| Air blower                                       |  |  |  |  |  |  |  |
| Coolant hose (clamp)                             |  |  |  |  |  |  |  |
| Cooling fan                                      |  |  |  |  |  |  |  |
| Fan blade  |  |  |  |  |  |  |  |
| Fan clutch                                       |  |  |  |  |  |  |  |
| Radiator   |  |  |  |  |  |  |  |
| Radiator bolt                                    |  |  |  |  |  |  |  |

|                           |  |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|--|
| Radiator (fan) shroud     |  |  |  |  |  |  |  |
| Radiator gasket           |  |  |  |  |  |  |  |
| Radiator pressure cap     |  |  |  |  |  |  |  |
| Overflow tank             |  |  |  |  |  |  |  |
| Thermostat                |  |  |  |  |  |  |  |
| Water neck                |  |  |  |  |  |  |  |
| Water neck o-ring         |  |  |  |  |  |  |  |
| Water pipe                |  |  |  |  |  |  |  |
| Water pump                |  |  |  |  |  |  |  |
| Water pump gasket         |  |  |  |  |  |  |  |
| Water tank                |  |  |  |  |  |  |  |
| <b>Engine oil systems</b> |  |  |  |  |  |  |  |
| Oil filter                |  |  |  |  |  |  |  |
| Oil gasket                |  |  |  |  |  |  |  |
| Oil pan                   |  |  |  |  |  |  |  |
| Oil pipe                  |  |  |  |  |  |  |  |
| Oil pump                  |  |  |  |  |  |  |  |
| Oil strainer              |  |  |  |  |  |  |  |
| Exhaust system            |  |  |  |  |  |  |  |
| Catalytic converter       |  |  |  |  |  |  |  |
| Exhaust clamp and bracket |  |  |  |  |  |  |  |
| Exhaust flange gasket     |  |  |  |  |  |  |  |
| Exhaust gasket            |  |  |  |  |  |  |  |
| Exhaust manifold          |  |  |  |  |  |  |  |
| Exhaust manifold gasket   |  |  |  |  |  |  |  |
| Exhaust pipe              |  |  |  |  |  |  |  |
| Heat shield               |  |  |  |  |  |  |  |
| Heat sleeving and tape    |  |  |  |  |  |  |  |
| Resonator                 |  |  |  |  |  |  |  |
| Muffler (Silencer)        |  |  |  |  |  |  |  |
| Spacer ring               |  |  |  |  |  |  |  |
| <b>Fuel supply system</b> |  |  |  |  |  |  |  |
| Air filter                |  |  |  |  |  |  |  |
| Carburetor                |  |  |  |  |  |  |  |
| Carburetor parts          |  |  |  |  |  |  |  |
| Choke cable               |  |  |  |  |  |  |  |
| EGR valve                 |  |  |  |  |  |  |  |
| Fuel cap                  |  |  |  |  |  |  |  |
| Fuel cell                 |  |  |  |  |  |  |  |
| Fuel cell component       |  |  |  |  |  |  |  |
| Fuel cooler               |  |  |  |  |  |  |  |
| Fuel distributor          |  |  |  |  |  |  |  |

|   |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Fuel filter                                   |  |  |  |  |  |  |  |
| Fuel filter seal                              |  |  |  |  |  |  |  |
| Fuel injector                                 |  |  |  |  |  |  |  |
| Fuel injector nozzle                          |  |  |  |  |  |  |  |
| Fuel line                                     |  |  |  |  |  |  |  |
| Fuel pump                                     |  |  |  |  |  |  |  |
| Fuel pump gasket                              |  |  |  |  |  |  |  |
| Fuel pressure regulator                       |  |  |  |  |  |  |  |
| Fuel rail                                     |  |  |  |  |  |  |  |
| Fuel tank                                     |  |  |  |  |  |  |  |
| Fuel tank cover                               |  |  |  |  |  |  |  |
| Fuel water separator                          |  |  |  |  |  |  |  |
| Intake manifold                               |  |  |  |  |  |  |  |
| Intake manifold gasket                        |  |  |  |  |  |  |  |
| LPG (Liquefied petroleum gas) system assembly |  |  |  |  |  |  |  |
| Throttle body                                 |  |  |  |  |  |  |  |
| Suspension and steering systems               |  |  |  |  |  |  |  |
| Axle  |  |  |  |  |  |  |  |
| Camber arm                                    |  |  |  |  |  |  |  |
| Control arm                                   |  |  |  |  |  |  |  |
| Beam axle                                     |  |  |  |  |  |  |  |
| Idler arm                                     |  |  |  |  |  |  |  |
| Kingpin                                       |  |  |  |  |  |  |  |
| Lateral link                                  |  |  |  |  |  |  |  |
| Pan-hard rod                                  |  |  |  |  |  |  |  |
| Pit-man arm                                   |  |  |  |  |  |  |  |
| Power steering assembly and component         |  |  |  |  |  |  |  |
| Rack end                                      |  |  |  |  |  |  |  |
| Shock absorber                                |  |  |  |  |  |  |  |
| Spindle                                       |  |  |  |  |  |  |  |
| Spring  |  |  |  |  |  |  |  |
| Air spring                                    |  |  |  |  |  |  |  |
| Coil spring                                   |  |  |  |  |  |  |  |
| Leaf and parabolic leaf spring                |  |  |  |  |  |  |  |
| Ball joint                                    |  |  |  |  |  |  |  |
| Rubber spring                                 |  |  |  |  |  |  |  |
| Spiral spring                                 |  |  |  |  |  |  |  |
| Stabilizer bars and link                      |  |  |  |  |  |  |  |
| Steering arm                                  |  |  |  |  |  |  |  |
| Steering box                                  |  |  |  |  |  |  |  |
| Steering column assembly                      |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| Steering rack (a form of steering gear; see also rack and pinion and recirculating ball) |  |  |  |  |  |  |  |
| Steering shaft   |  |  |  |  |  |  |  |
| Steering wheel (driving wheel)   |  |  |  |  |  |  |  |
| Strut  |  |  |  |  |  |  |  |
| Stub axle  |  |  |  |  |  |  |  |
| Suspension link and bolt   |  |  |  |  |  |  |  |
| Sway bar link  |  |  |  |  |  |  |  |
| Tie bar  |  |  |  |  |  |  |  |
| Tie rod  |  |  |  |  |  |  |  |
| Tie rod end  |  |  |  |  |  |  |  |
| Track Bar  |  |  |  |  |  |  |  |
| Toe link   |  |  |  |  |  |  |  |
| Trailing arm   |  |  |  |  |  |  |  |
| Transmission system  |  |  |  |  |  |  |  |
| Adjustable pedal   |  |  |  |  |  |  |  |
| Axle shaft   |  |  |  |  |  |  |  |
| Bell housing   |  |  |  |  |  |  |  |
| Universal joint  |  |  |  |  |  |  |  |
| Other belts  |  |  |  |  |  |  |  |
| Carrier assembly   |  |  |  |  |  |  |  |
| Chain wheel and sprocket   |  |  |  |  |  |  |  |
| Clutch assembly  |  |  |  |  |  |  |  |
| Clutch cable   |  |  |  |  |  |  |  |
| Clutch disk  |  |  |  |  |  |  |  |
| Clutch fan   |  |  |  |  |  |  |  |
| Clutch fork  |  |  |  |  |  |  |  |
| Clutch hose  |  |  |  |  |  |  |  |
| Clutch lever   |  |  |  |  |  |  |  |
| Clutch lining  |  |  |  |  |  |  |  |
| Clutch pedal   |  |  |  |  |  |  |  |
| Clutch pressure plate  |  |  |  |  |  |  |  |
| Clutch shoe  |  |  |  |  |  |  |  |
| Clutch spring  |  |  |  |  |  |  |  |
| Differential   |  |  |  |  |  |  |  |
| Differential case  |  |  |  |  |  |  |  |
| Pinion bearing   |  |  |  |  |  |  |  |
| Differential clutch  |  |  |  |  |  |  |  |
| Spider gears   |  |  |  |  |  |  |  |
| Differential casing  |  |  |  |  |  |  |  |
| Differential flange  |  |  |  |  |  |  |  |

|   |   |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|
|   | Differential gear   |  |  |  |  |  |  |  |
|   | Differential seal   |  |  |  |  |  |  |  |
|   | Flywheel  |  |  |  |  |  |  |  |
|   | Flywheel ring gear  |  |  |  |  |  |  |  |
|   | Gear  |  |  |  |  |  |  |  |
|   | Gear coupling   |  |  |  |  |  |  |  |
|   | Gear pump   |  |  |  |  |  |  |  |
|   | Gear ring   |  |  |  |  |  |  |  |
|   | Gear stick (gear-stick, gear lever, selection lever, shift stick, gear shifter) |  |  |  |  |  |  |  |
|   | Gearbox   |  |  |  |  |  |  |  |
|   | Idler gear  |  |  |  |  |  |  |  |
|   | Knuckle   |  |  |  |  |  |  |  |
|   | Master cylinder   |  |  |  |  |  |  |  |
|   | Output shaft  |  |  |  |  |  |  |  |
|   | Pinion  |  |  |  |  |  |  |  |
|   | Planetary gear set  |  |  |  |  |  |  |  |
|   | Prop shaft (drive shaft, propeller shaft)                                       |  |  |  |  |  |  |  |
|   | Shift cable   |  |  |  |  |  |  |  |
|   | Shift fork  |  |  |  |  |  |  |  |
|   | Shift knob  |  |  |  |  |  |  |  |
|   | Shift lever   |  |  |  |  |  |  |  |
|   | Slave cylinder  |  |  |  |  |  |  |  |
|   | Speed reducer   |  |  |  |  |  |  |  |
|   | Speedometer gear  |  |  |  |  |  |  |  |
|   | Steering gear   |  |  |  |  |  |  |  |
|   | Torque converter  |  |  |  |  |  |  |  |
|   | Trans-axle housing  |  |  |  |  |  |  |  |
|   | Transfer case   |  |  |  |  |  |  |  |
|   | Transmission gear   |  |  |  |  |  |  |  |
|   | Transmission pan  |  |  |  |  |  |  |  |
|   | Transmission seal and bonded piston   |  |  |  |  |  |  |  |
|   | Transmission spring   |  |  |  |  |  |  |  |
|   | Transmission yoke   |  |  |  |  |  |  |  |
| 5 | <b>Miscellaneous auto parts</b>   |  |  |  |  |  |  |  |
|   | Universal joint (UJ, card-an joint)   |  |  |  |  |  |  |  |
|   | Bearings  |  |  |  |  |  |  |  |
|   | Grooved ball bearing  |  |  |  |  |  |  |  |
|   | Needle bearing  |  |  |  |  |  |  |  |
|   | Roller bearing  |  |  |  |  |  |  |  |
|   | Sleeve bearing  |  |  |  |  |  |  |  |



|  |               |  |  |  |  |  |  |  |
|--|---------------|--|--|--|--|--|--|--|
|  | wheel bearing |  |  |  |  |  |  |  |
|  | Mirror        |  |  |  |  |  |  |  |
|  | Horn          |  |  |  |  |  |  |  |
|  | Sun visor     |  |  |  |  |  |  |  |

**Table 4B: COMMON MAINTENANCE ITEMS TOYOTA MODEL**

| All prices include labor, parts, sundries and VAT Applicable in Ksh for replacement of part/assembly.<br>(use genuine parts only) |                                    |   |                                    |   |                                    |   |                                       |                                     |                                 |
|---|------------------------------------|---|------------------------------------|---|------------------------------------|---|---------------------------------------|-------------------------------------|---------------------------------|
|   | Item Description                   | TOYOTA<br>HIACE<br>(2L LH<br>114)<br>DIESEL | TOYOTA<br>HIACE<br>(2KD)<br>DIESEL | TOYOTA<br>HIACE<br>(RZH<br>114)<br>PETROL | TOYOTA<br>D/CAB<br>(5L-LAN<br>25 ) | TOYOTA<br>D/CAB<br>(2KD:<br>KUN25R,<br>KUN125R) | TOYOTA<br>D/CAB<br>2GD<br>GUN<br>125R | TOYOTA<br>D/CAB<br>(LAN<br>166: 3L) | YAMAHA<br>MOTOR<br>CYCLE(DT175) |
| <b>1</b>  | <b>Car body and main part</b>      |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Bonnet/hood                        |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Bumper                             |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Fender (wing or mudguard)          |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front fascia and header panel      |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Grille (also called grill)         |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Quarter panel                      |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Radiator core support              |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rocker                             |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Roof rack                          |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front spoiler ( <i>air dam</i> )   |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear spoiler ( <i>wing</i> )       |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rims                               |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Hubcap                             |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Trim package                       |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Trunk/boot/hatch                   |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Doors                              |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front Right Outer door handle      |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front Left Side Outer door handle  |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear Right Side Outer door handle  |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear Left Side Outer door handle   |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front Right Side Inner door handle |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front Left Side Inner door handle  |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear Right Side Inner door handle  |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear Left Side Inner door handle   |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Back Door Outer Door Handles       |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front Right Side Window motor      |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Front Left Side Window motor       |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear Right Side Window motor       |   |                                    |   |                                    |   |                                       |                                     |                                 |
|   | Rear Left Side Window motor        |   |                                    |   |                                    |   |                                       |                                     |                                 |

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
|   | Door control module                    |  |  |  |  |  |  |  |  |
|   | Door seal                              |  |  |  |  |  |  |  |  |
|   | Door water-shield                      |  |  |  |  |  |  |  |  |
|   | Hinge                                  |  |  |  |  |  |  |  |  |
|   | Door latch                             |  |  |  |  |  |  |  |  |
|   | Door lock and power door locks         |  |  |  |  |  |  |  |  |
|   | Central-locking                        |  |  |  |  |  |  |  |  |
|   | Fuel tank (or fuel filler) door        |  |  |  |  |  |  |  |  |
|   | <b>Windows</b>                         |  |  |  |  |  |  |  |  |
|   | Glass                                  |  |  |  |  |  |  |  |  |
|   | Front Right Side Door Glass            |  |  |  |  |  |  |  |  |
|   | Front Left Side Door Glass             |  |  |  |  |  |  |  |  |
|   | Rear Right Side Door Glass             |  |  |  |  |  |  |  |  |
|   | Rear Left Side Door Glass              |  |  |  |  |  |  |  |  |
|   | Rear Right Quarter Glass               |  |  |  |  |  |  |  |  |
|   | Rear Left Quarter Glass                |  |  |  |  |  |  |  |  |
|   | Window motor                           |  |  |  |  |  |  |  |  |
|   | Window regulator                       |  |  |  |  |  |  |  |  |
|   | Windshield (also called<br>windscreen) |  |  |  |  |  |  |  |  |
|   | Windshield washer motor                |  |  |  |  |  |  |  |  |
|   | Window seal                            |  |  |  |  |  |  |  |  |
| 2 | <b>Electrical and electronics</b>      |  |  |  |  |  |  |  |  |
|   | <b>Audio/video devices</b>             |  |  |  |  |  |  |  |  |
|   | Antenna assembly                       |  |  |  |  |  |  |  |  |
|   | Antenna cable                          |  |  |  |  |  |  |  |  |
|   | Radio and media player                 |  |  |  |  |  |  |  |  |
|   | Speaker                                |  |  |  |  |  |  |  |  |
|   | Tuner                                  |  |  |  |  |  |  |  |  |
|   | Subwoofer                              |  |  |  |  |  |  |  |  |
|   | Video player                           |  |  |  |  |  |  |  |  |
|   | Electrical supply system;              |  |  |  |  |  |  |  |  |
|   | Alternator                             |  |  |  |  |  |  |  |  |
|   | Battery Cable terminal                 |  |  |  |  |  |  |  |  |
|   | Voltage regulator                      |  |  |  |  |  |  |  |  |
|   | Gauges and meters;                     |  |  |  |  |  |  |  |  |
|   | Odometer                               |  |  |  |  |  |  |  |  |
|   | Speedometer                            |  |  |  |  |  |  |  |  |
|   | Tachometer                             |  |  |  |  |  |  |  |  |
|   | Fuel gauge                             |  |  |  |  |  |  |  |  |
|   | Temperature gauge                      |  |  |  |  |  |  |  |  |
|   | Voltmeter                              |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| Water temperature meter  |  |  |  |  |  |  |  |  |
| Oil pressure gauge   |  |  |  |  |  |  |  |  |
| Ignition electronic system;  |  |  |  |  |  |  |  |  |
| Sparking cable   |  |  |  |  |  |  |  |  |
| Ignition coil  |  |  |  |  |  |  |  |  |
| Spark plug   |  |  |  |  |  |  |  |  |
| Glow Plug  |  |  |  |  |  |  |  |  |
| <b>Engine bay lighting;</b>  |  |  |  |  |  |  |  |  |
| Fog light (also called foglamp)  |  |  |  |  |  |  |  |  |
| Spotlight  |  |  |  |  |  |  |  |  |
| Headlight (also called headlamp)   |  |  |  |  |  |  |  |  |
| Headlight motor  |  |  |  |  |  |  |  |  |
| Interior light and lamp  |  |  |  |  |  |  |  |  |
| License plate lamp (also called number plate lamp or registration plate lamp)  |  |  |  |  |  |  |  |  |
| Side lighting  |  |  |  |  |  |  |  |  |
| Tail light   |  |  |  |  |  |  |  |  |
| Tail light cover   |  |  |  |  |  |  |  |  |
| Indicator light  |  |  |  |  |  |  |  |  |
| turn signal control, also called the turn signal lever, also called the "turn signal stalk", typically mounted on the steering shaft behind the steering wheel |  |  |  |  |  |  |  |  |
| Sensors  |  |  |  |  |  |  |  |  |
| Airbag sensors   |  |  |  |  |  |  |  |  |
| Automatic transmission speed sensor  |  |  |  |  |  |  |  |  |
| Camshaft position sensor   |  |  |  |  |  |  |  |  |
| Crankshaft position sensor   |  |  |  |  |  |  |  |  |
| Coolant temperature sensor   |  |  |  |  |  |  |  |  |
| Fuel level sensor  |  |  |  |  |  |  |  |  |
| Fuel pressure sensor   |  |  |  |  |  |  |  |  |
| Knock sensor   |  |  |  |  |  |  |  |  |
| Light sensor   |  |  |  |  |  |  |  |  |
| MAP sensor   |  |  |  |  |  |  |  |  |
| Mass airflow sensor  |  |  |  |  |  |  |  |  |
| Oil level sensor   |  |  |  |  |  |  |  |  |
| Oil pressure sensor  |  |  |  |  |  |  |  |  |
| Oxygen sensor (o2)   |  |  |  |  |  |  |  |  |
| Throttle position sensor   |  |  |  |  |  |  |  |  |
| ABS Sensor   |  |  |  |  |  |  |  |  |
| Starting system;   |  |  |  |  |  |  |  |  |

|   |                                       |  |  |  |  |  |  |  |  |
|---|---------------------------------------|--|--|--|--|--|--|--|--|
|   | Starter                               |  |  |  |  |  |  |  |  |
|   | Starter drive                         |  |  |  |  |  |  |  |  |
|   | starter pinion gear                   |  |  |  |  |  |  |  |  |
|   | Starter motor                         |  |  |  |  |  |  |  |  |
|   | Starter solenoid                      |  |  |  |  |  |  |  |  |
|   | Glowplug                              |  |  |  |  |  |  |  |  |
|   | <b>Electrical switches;</b>           |  |  |  |  |  |  |  |  |
|   | Battery                               |  |  |  |  |  |  |  |  |
|   | Door switch                           |  |  |  |  |  |  |  |  |
|   | Ignition switch                       |  |  |  |  |  |  |  |  |
|   | Power window switch                   |  |  |  |  |  |  |  |  |
|   | Steering column switch                |  |  |  |  |  |  |  |  |
|   | Switch cover                          |  |  |  |  |  |  |  |  |
|   | Switch panel                          |  |  |  |  |  |  |  |  |
|   | Thermostat                            |  |  |  |  |  |  |  |  |
|   | Frame switch                          |  |  |  |  |  |  |  |  |
|   | Fan ditch                             |  |  |  |  |  |  |  |  |
|   | Parts and functions of starter system |  |  |  |  |  |  |  |  |
|   | Neutral Safety Switch                 |  |  |  |  |  |  |  |  |
|   | <b>Wiring harnesses;</b>              |  |  |  |  |  |  |  |  |
|   | Air conditioning harness              |  |  |  |  |  |  |  |  |
|   | Engine compartment harness            |  |  |  |  |  |  |  |  |
|   | Interior harness                      |  |  |  |  |  |  |  |  |
|   | floor harness                         |  |  |  |  |  |  |  |  |
|   | Main harness                          |  |  |  |  |  |  |  |  |
|   | control harness                       |  |  |  |  |  |  |  |  |
|   |                                       |  |  |  |  |  |  |  |  |
|   | Air bag control module                |  |  |  |  |  |  |  |  |
|   | Alarm and siren                       |  |  |  |  |  |  |  |  |
|   | Central locking system                |  |  |  |  |  |  |  |  |
|   | Engine computer and management system |  |  |  |  |  |  |  |  |
|   | Engine control unit[ECU]              |  |  |  |  |  |  |  |  |
| 3 | <b>Interior</b>                       |  |  |  |  |  |  |  |  |
|   | Dash Panels                           |  |  |  |  |  |  |  |  |
|   | Dashboard                             |  |  |  |  |  |  |  |  |
|   | Center console                        |  |  |  |  |  |  |  |  |
|   | Glove compartment                     |  |  |  |  |  |  |  |  |
|   | Hood and trunk release cable          |  |  |  |  |  |  |  |  |
|   | <b>Floor components and parts</b>     |  |  |  |  |  |  |  |  |
|   | Carpet and other floor material       |  |  |  |  |  |  |  |  |

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
|   | Center console (front and rear)                    |  |  |  |  |  |  |  |  |
|   | Roll cage  |  |  |  |  |  |  |  |  |
|   | Car seat   |  |  |  |  |  |  |  |  |
|   | Arm Rest   |  |  |  |  |  |  |  |  |
|   | Bench seat   |  |  |  |  |  |  |  |  |
|   | Bucket seat  |  |  |  |  |  |  |  |  |
|   | Fastener   |  |  |  |  |  |  |  |  |
|   | Headrest   |  |  |  |  |  |  |  |  |
|   | Seat belt  |  |  |  |  |  |  |  |  |
|   | Seat bracket                                       |  |  |  |  |  |  |  |  |
|   | Seat cover   |  |  |  |  |  |  |  |  |
|   | Seat track   |  |  |  |  |  |  |  |  |
|   | Back seat  |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |  |
| 4 | <b>Power-train and chassis</b>                     |  |  |  |  |  |  |  |  |
|   | Braking system                                     |  |  |  |  |  |  |  |  |
|   | Anti-lock braking system                           |  |  |  |  |  |  |  |  |
|   | Adjusting mechanism ( <i>adjuster star wheel</i> ) |  |  |  |  |  |  |  |  |
|   | Anchor   |  |  |  |  |  |  |  |  |
|   | Bleed nipple                                       |  |  |  |  |  |  |  |  |
|   | Brake backing plate                                |  |  |  |  |  |  |  |  |
|   | Brake backing pad                                  |  |  |  |  |  |  |  |  |
|   | Brake cooling duct                                 |  |  |  |  |  |  |  |  |
|   | Brake disc   |  |  |  |  |  |  |  |  |
|   | Brake Fluid  |  |  |  |  |  |  |  |  |
|   | Brake drum   |  |  |  |  |  |  |  |  |
|   | Brake lining                                       |  |  |  |  |  |  |  |  |
|   | Brake pad  |  |  |  |  |  |  |  |  |
|   | Brake pedal  |  |  |  |  |  |  |  |  |
|   | Brake piston                                       |  |  |  |  |  |  |  |  |
|   | Brake pump   |  |  |  |  |  |  |  |  |
|   | Brake roll   |  |  |  |  |  |  |  |  |
|   | Brake rotor  |  |  |  |  |  |  |  |  |
|   | Brake servo  |  |  |  |  |  |  |  |  |
|   | Brake shoe   |  |  |  |  |  |  |  |  |
|   | Brake lining                                       |  |  |  |  |  |  |  |  |
|   | Shoe web   |  |  |  |  |  |  |  |  |
|   | Brake warning light                                |  |  |  |  |  |  |  |  |
|   | Calibrated friction brake                          |  |  |  |  |  |  |  |  |
|   | Caliper  |  |  |  |  |  |  |  |  |

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| Combination valve                             |  |  |  |  |  |  |  |  |  |
| Dual circuit brake system                     |  |  |  |  |  |  |  |  |  |
| Hold-down springs ( <i>retainer springs</i> ) |  |  |  |  |  |  |  |  |  |
| Hose  |  |  |  |  |  |  |  |  |  |
| Brake booster hose                            |  |  |  |  |  |  |  |  |  |
| Air brake nylon hose                          |  |  |  |  |  |  |  |  |  |
| Brake duct hose                               |  |  |  |  |  |  |  |  |  |
| Hydraulic booster unit                        |  |  |  |  |  |  |  |  |  |
| Load-sensing valve                            |  |  |  |  |  |  |  |  |  |
| Master cylinder                               |  |  |  |  |  |  |  |  |  |
| Metering valve                                |  |  |  |  |  |  |  |  |  |
| Other braking system parts                    |  |  |  |  |  |  |  |  |  |
| Park brake lever/handle (hand brake)          |  |  |  |  |  |  |  |  |  |
| Pressure differential valve                   |  |  |  |  |  |  |  |  |  |
| Proportioning valve                           |  |  |  |  |  |  |  |  |  |
| Reservoir                                     |  |  |  |  |  |  |  |  |  |
| Shoe return spring                            |  |  |  |  |  |  |  |  |  |
| Tyre  |  |  |  |  |  |  |  |  |  |
| Vacuum brake booster                          |  |  |  |  |  |  |  |  |  |
| Wheel cylinder ( <i>slave cylinder</i> )      |  |  |  |  |  |  |  |  |  |
| Wheel stud                                    |  |  |  |  |  |  |  |  |  |
| <b>Engine components and parts</b>            |  |  |  |  |  |  |  |  |  |
| Diesel engine, petrol engine                  |  |  |  |  |  |  |  |  |  |
| Air duct                                      |  |  |  |  |  |  |  |  |  |
| Air intake housing                            |  |  |  |  |  |  |  |  |  |
| Air intake manifold                           |  |  |  |  |  |  |  |  |  |
| Camshaft                                      |  |  |  |  |  |  |  |  |  |
| Camshaft bearing                              |  |  |  |  |  |  |  |  |  |
| Camshaft fastener                             |  |  |  |  |  |  |  |  |  |
| Camshaft follower                             |  |  |  |  |  |  |  |  |  |
| Camshaft locking plate                        |  |  |  |  |  |  |  |  |  |
| Camshaft pushrod                              |  |  |  |  |  |  |  |  |  |
| Camshaft spacer ring                          |  |  |  |  |  |  |  |  |  |
| Camshaft phase variator                       |  |  |  |  |  |  |  |  |  |
| Connecting rod                                |  |  |  |  |  |  |  |  |  |
| Connecting rod bearing                        |  |  |  |  |  |  |  |  |  |
| Connecting rod bolt                           |  |  |  |  |  |  |  |  |  |
| Connecting rod washer                         |  |  |  |  |  |  |  |  |  |
| Crank case                                    |  |  |  |  |  |  |  |  |  |
| Crank pulley                                  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| Crankshaft                                       |  |  |  |  |  |  |  |  |
| Crankshaft oil seal                              |  |  |  |  |  |  |  |  |
| Cylinder head                                    |  |  |  |  |  |  |  |  |
| Cylinder head cover                              |  |  |  |  |  |  |  |  |
| Other cylinder head cover parts                  |  |  |  |  |  |  |  |  |
| Cylinder head gasket                             |  |  |  |  |  |  |  |  |
| Distributor                                      |  |  |  |  |  |  |  |  |
| Distributor cap                                  |  |  |  |  |  |  |  |  |
| Drive belt                                       |  |  |  |  |  |  |  |  |
| Engine block                                     |  |  |  |  |  |  |  |  |
| Engine cradle                                    |  |  |  |  |  |  |  |  |
| Engine shake damper and vibration absorber       |  |  |  |  |  |  |  |  |
| Engine valve                                     |  |  |  |  |  |  |  |  |
| Fan belt   |  |  |  |  |  |  |  |  |
| Gudgeon pin ( <i>wrist pin</i> )                 |  |  |  |  |  |  |  |  |
| Harmonic balancer                                |  |  |  |  |  |  |  |  |
| Heater   |  |  |  |  |  |  |  |  |
| Mounting   |  |  |  |  |  |  |  |  |
| Piston   |  |  |  |  |  |  |  |  |
| Piston pin and crank pin                         |  |  |  |  |  |  |  |  |
| Piston pin bush                                  |  |  |  |  |  |  |  |  |
| Piston ring and circlip                          |  |  |  |  |  |  |  |  |
| Poppet valve                                     |  |  |  |  |  |  |  |  |
| PCV valve (positive crankcase ventilation valve) |  |  |  |  |  |  |  |  |
| Pulley part                                      |  |  |  |  |  |  |  |  |
| Rocker arm                                       |  |  |  |  |  |  |  |  |
| Rocker cover                                     |  |  |  |  |  |  |  |  |
| Starter motor                                    |  |  |  |  |  |  |  |  |
| Starter pinion                                   |  |  |  |  |  |  |  |  |
| Starter ring                                     |  |  |  |  |  |  |  |  |
| Turbocharger and supercharger                    |  |  |  |  |  |  |  |  |
| Tappet   |  |  |  |  |  |  |  |  |
| Timing tape                                      |  |  |  |  |  |  |  |  |
| Valve cover                                      |  |  |  |  |  |  |  |  |
| Valve housing                                    |  |  |  |  |  |  |  |  |
| Valve spring                                     |  |  |  |  |  |  |  |  |
| Valve stem seal                                  |  |  |  |  |  |  |  |  |
| Water pump pulley                                |  |  |  |  |  |  |  |  |
| Engine cooling system                            |  |  |  |  |  |  |  |  |
| Air blower                                       |  |  |  |  |  |  |  |  |
| Coolant hose (clamp)                             |  |  |  |  |  |  |  |  |

|                           |  |  |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|--|--|
| Cooling fan               |  |  |  |  |  |  |  |  |
| Fan blade                 |  |  |  |  |  |  |  |  |
| Fan clutch                |  |  |  |  |  |  |  |  |
| Radiator                  |  |  |  |  |  |  |  |  |
| Radiator bolt             |  |  |  |  |  |  |  |  |
| Radiator (fan) shroud     |  |  |  |  |  |  |  |  |
| Radiator gasket           |  |  |  |  |  |  |  |  |
| Radiator pressure cap     |  |  |  |  |  |  |  |  |
| Overflow tank             |  |  |  |  |  |  |  |  |
| Thermostat                |  |  |  |  |  |  |  |  |
| Water neck                |  |  |  |  |  |  |  |  |
| Water neck o-ring         |  |  |  |  |  |  |  |  |
| Water pipe                |  |  |  |  |  |  |  |  |
| Water pump                |  |  |  |  |  |  |  |  |
| Water pump gasket         |  |  |  |  |  |  |  |  |
| Water tank                |  |  |  |  |  |  |  |  |
| <b>Engine oil systems</b> |  |  |  |  |  |  |  |  |
| Oil filter                |  |  |  |  |  |  |  |  |
| Oil gasket                |  |  |  |  |  |  |  |  |
| Oil pan                   |  |  |  |  |  |  |  |  |
| Oil pipe                  |  |  |  |  |  |  |  |  |
| Oil pump                  |  |  |  |  |  |  |  |  |
| Oil strainer              |  |  |  |  |  |  |  |  |
| Exhaust system            |  |  |  |  |  |  |  |  |
| Catalytic converter       |  |  |  |  |  |  |  |  |
| Exhaust clamp and bracket |  |  |  |  |  |  |  |  |
| Exhaust flange gasket     |  |  |  |  |  |  |  |  |
| Exhaust gasket            |  |  |  |  |  |  |  |  |
| Exhaust manifold          |  |  |  |  |  |  |  |  |
| Exhaust manifold gasket   |  |  |  |  |  |  |  |  |
| Exhaust pipe              |  |  |  |  |  |  |  |  |
| Heat shield               |  |  |  |  |  |  |  |  |
| Heat sleeving and tape    |  |  |  |  |  |  |  |  |
| Resonator                 |  |  |  |  |  |  |  |  |
| Muffler (Silencer)        |  |  |  |  |  |  |  |  |
| Spacer ring               |  |  |  |  |  |  |  |  |
| <b>Fuel supply system</b> |  |  |  |  |  |  |  |  |
| Air filter                |  |  |  |  |  |  |  |  |
| Carburetor                |  |  |  |  |  |  |  |  |
| Carburetor parts          |  |  |  |  |  |  |  |  |
| Choke cable               |  |  |  |  |  |  |  |  |
| EGR valve                 |  |  |  |  |  |  |  |  |



|   |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Fuel cap                                      |  |  |  |  |  |  |  |  |
| Fuel cell                                     |  |  |  |  |  |  |  |  |
| Fuel cell component                           |  |  |  |  |  |  |  |  |
| Fuel cooler                                   |  |  |  |  |  |  |  |  |
| Fuel distributor                              |  |  |  |  |  |  |  |  |
| Fuel filter                                   |  |  |  |  |  |  |  |  |
| Fuel filter seal                              |  |  |  |  |  |  |  |  |
| Fuel injector                                 |  |  |  |  |  |  |  |  |
| Fuel injector nozzle                          |  |  |  |  |  |  |  |  |
| Fuel line                                     |  |  |  |  |  |  |  |  |
| Fuel pump                                     |  |  |  |  |  |  |  |  |
| Fuel pump gasket                              |  |  |  |  |  |  |  |  |
| Fuel pressure regulator                       |  |  |  |  |  |  |  |  |
| Fuel rail                                     |  |  |  |  |  |  |  |  |
| Fuel tank                                     |  |  |  |  |  |  |  |  |
| Fuel tank cover                               |  |  |  |  |  |  |  |  |
| Fuel water separator                          |  |  |  |  |  |  |  |  |
| Intake manifold                               |  |  |  |  |  |  |  |  |
| Intake manifold gasket                        |  |  |  |  |  |  |  |  |
| LPG (Liquefied petroleum gas) system assembly |  |  |  |  |  |  |  |  |
| Throttle body                                 |  |  |  |  |  |  |  |  |
| Suspension and steering systems               |  |  |  |  |  |  |  |  |
| Axle  |  |  |  |  |  |  |  |  |
| Camber arm                                    |  |  |  |  |  |  |  |  |
| Control arm                                   |  |  |  |  |  |  |  |  |
| Beam axle                                     |  |  |  |  |  |  |  |  |
| Idler arm                                     |  |  |  |  |  |  |  |  |
| Kingpin                                       |  |  |  |  |  |  |  |  |
| Lateral link                                  |  |  |  |  |  |  |  |  |
| Pan-hard rod                                  |  |  |  |  |  |  |  |  |
| Pit-man arm                                   |  |  |  |  |  |  |  |  |
| Power steering assembly and component         |  |  |  |  |  |  |  |  |
| Rack end                                      |  |  |  |  |  |  |  |  |
| Shock absorber                                |  |  |  |  |  |  |  |  |
| Spindle                                       |  |  |  |  |  |  |  |  |
| Spring  |  |  |  |  |  |  |  |  |
| Air spring                                    |  |  |  |  |  |  |  |  |
| Coil spring                                   |  |  |  |  |  |  |  |  |
| Leaf and parabolic leaf spring                |  |  |  |  |  |  |  |  |
| Ball joint                                    |  |  |  |  |  |  |  |  |
| Rubber spring                                 |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| Spiral spring  |  |  |  |  |  |  |  |  |
| Stabilizer bars and link   |  |  |  |  |  |  |  |  |
| Steering arm   |  |  |  |  |  |  |  |  |
| Steering box   |  |  |  |  |  |  |  |  |
| Steering column assembly   |  |  |  |  |  |  |  |  |
| Steering rack (a form of steering gear; see also rack and pinion and recirculating ball) |  |  |  |  |  |  |  |  |
| Steering shaft   |  |  |  |  |  |  |  |  |
| Steering wheel (driving wheel)   |  |  |  |  |  |  |  |  |
| Strut  |  |  |  |  |  |  |  |  |
| Stub axle  |  |  |  |  |  |  |  |  |
| Suspension link and bolt   |  |  |  |  |  |  |  |  |
| Sway bar link  |  |  |  |  |  |  |  |  |
| Tie bar  |  |  |  |  |  |  |  |  |
| Tie rod  |  |  |  |  |  |  |  |  |
| Tie rod end  |  |  |  |  |  |  |  |  |
| Track Bar  |  |  |  |  |  |  |  |  |
| Toe link   |  |  |  |  |  |  |  |  |
| Trailing arm   |  |  |  |  |  |  |  |  |
| Transmission system  |  |  |  |  |  |  |  |  |
| Adjustable pedal   |  |  |  |  |  |  |  |  |
| Axle shaft   |  |  |  |  |  |  |  |  |
| Bell housing   |  |  |  |  |  |  |  |  |
| Universal joint  |  |  |  |  |  |  |  |  |
| Other belts  |  |  |  |  |  |  |  |  |
| Carrier assembly   |  |  |  |  |  |  |  |  |
| Chain wheel and sprocket   |  |  |  |  |  |  |  |  |
| Clutch assembly  |  |  |  |  |  |  |  |  |
| Clutch cable   |  |  |  |  |  |  |  |  |
| Clutch disk  |  |  |  |  |  |  |  |  |
| Clutch fan   |  |  |  |  |  |  |  |  |
| Clutch fork  |  |  |  |  |  |  |  |  |
| Clutch hose  |  |  |  |  |  |  |  |  |
| Clutch lever   |  |  |  |  |  |  |  |  |
| Clutch lining  |  |  |  |  |  |  |  |  |
| Clutch pedal   |  |  |  |  |  |  |  |  |
| Clutch pressure plate  |  |  |  |  |  |  |  |  |
| Clutch shoe  |  |  |  |  |  |  |  |  |
| Clutch spring  |  |  |  |  |  |  |  |  |
| Differential   |  |  |  |  |  |  |  |  |
| Differential case  |  |  |  |  |  |  |  |  |

|   |   |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
|   | Pinion bearing  |  |  |  |  |  |  |  |  |
|   | Differential clutch   |  |  |  |  |  |  |  |  |
|   | Spider gears  |  |  |  |  |  |  |  |  |
|   | Differential casing   |  |  |  |  |  |  |  |  |
|   | Differential flange   |  |  |  |  |  |  |  |  |
|   | Differential gear   |  |  |  |  |  |  |  |  |
|   | Differential seal   |  |  |  |  |  |  |  |  |
|   | Flywheel  |  |  |  |  |  |  |  |  |
|   | Flywheel ring gear  |  |  |  |  |  |  |  |  |
|   | Gear  |  |  |  |  |  |  |  |  |
|   | Gear coupling   |  |  |  |  |  |  |  |  |
|   | Gear pump   |  |  |  |  |  |  |  |  |
|   | Gear ring   |  |  |  |  |  |  |  |  |
|   | Gear stick (gear-stick, gear lever, selection lever, shift stick, gear shifter) |  |  |  |  |  |  |  |  |
|   | Gearbox   |  |  |  |  |  |  |  |  |
|   | Idler gear  |  |  |  |  |  |  |  |  |
|   | Knuckle   |  |  |  |  |  |  |  |  |
|   | Master cylinder   |  |  |  |  |  |  |  |  |
|   | Output shaft  |  |  |  |  |  |  |  |  |
|   | Pinion  |  |  |  |  |  |  |  |  |
|   | Planetary gear set  |  |  |  |  |  |  |  |  |
|   | Prop shaft (drive shaft, propeller shaft)                                       |  |  |  |  |  |  |  |  |
|   | Shift cable   |  |  |  |  |  |  |  |  |
|   | Shift fork  |  |  |  |  |  |  |  |  |
|   | Shift knob  |  |  |  |  |  |  |  |  |
|   | Shift lever   |  |  |  |  |  |  |  |  |
|   | Slave cylinder  |  |  |  |  |  |  |  |  |
|   | Speed reducer   |  |  |  |  |  |  |  |  |
|   | Speedometer gear  |  |  |  |  |  |  |  |  |
|   | Steering gear   |  |  |  |  |  |  |  |  |
|   | Torque converter  |  |  |  |  |  |  |  |  |
|   | Trans-axle housing  |  |  |  |  |  |  |  |  |
|   | Transfer case   |  |  |  |  |  |  |  |  |
|   | Transmission gear   |  |  |  |  |  |  |  |  |
|   | Transmission pan  |  |  |  |  |  |  |  |  |
|   | Transmission seal and bonded piston   |  |  |  |  |  |  |  |  |
|   | Transmission spring   |  |  |  |  |  |  |  |  |
|   | Transmission yoke   |  |  |  |  |  |  |  |  |
| 5 | <b>Miscellaneous auto parts</b>   |  |  |  |  |  |  |  |  |

|  |                                     |  |  |  |  |  |  |  |  |
|--|-------------------------------------|--|--|--|--|--|--|--|--|
|  | Universal joint (UJ, card-an joint) |  |  |  |  |  |  |  |  |
|  | Bearings                            |  |  |  |  |  |  |  |  |
|  | Grooved ball bearing                |  |  |  |  |  |  |  |  |
|  | Needle bearing                      |  |  |  |  |  |  |  |  |
|  | Roller bearing                      |  |  |  |  |  |  |  |  |
|  | Sleeve bearing                      |  |  |  |  |  |  |  |  |
|  | wheel bearing                       |  |  |  |  |  |  |  |  |
|  | Mirror                              |  |  |  |  |  |  |  |  |
|  | Horn                                |  |  |  |  |  |  |  |  |
|  | Sun visor                           |  |  |  |  |  |  |  |  |

**Table 4C: NISSAN MODEL**

| All prices include labor, parts, sundries and VAT Applicable in Ksh for replacement of part/assembly.<br>(use genuine parts only) |                                    |                            |                           |                                 |                                |
|---|------------------------------------|----------------------------|---------------------------|---------------------------------|--------------------------------|
|   | Item Description                   | NISSAN URVAN<br>E26 (YD25) | NISSAN<br>URVAN<br>(TD27) | NISSAN<br>D/CABNP300<br>(YD25 ) | NISSAN D/CAB<br>( ZD30 PATROL) |
| <b>1</b>  | <b>Car body and main part</b>      |                            |                           |                                 |                                |
|   | Bonnet/hood                        |                            |                           |                                 |                                |
|   | Bumper                             |                            |                           |                                 |                                |
|   | Fender (wing or mudguard)          |                            |                           |                                 |                                |
|   | Front fascia and header panel      |                            |                           |                                 |                                |
|   | Grille (also called grill)         |                            |                           |                                 |                                |
|   | Quarter panel                      |                            |                           |                                 |                                |
|   | Radiator core support              |                            |                           |                                 |                                |
|   | Rocker                             |                            |                           |                                 |                                |
|   | Roof rack                          |                            |                           |                                 |                                |
|   | Front spoiler ( <i>air dam</i> )   |                            |                           |                                 |                                |
|   | Rear spoiler ( <i>wing</i> )       |                            |                           |                                 |                                |
|   | Rims                               |                            |                           |                                 |                                |
|   | Hubcap                             |                            |                           |                                 |                                |
|   | Trim package                       |                            |                           |                                 |                                |
|   | Trunk/boot/hatch                   |                            |                           |                                 |                                |
|   | Doors                              |                            |                           |                                 |                                |
|   | Front Right Outer door handle      |                            |                           |                                 |                                |
|   | Front Left Side Outer door handle  |                            |                           |                                 |                                |
|   | Rear Right Side Outer door handle  |                            |                           |                                 |                                |
|   | Rear Left Side Outer door handle   |                            |                           |                                 |                                |
|   | Front Right Side Inner door handle |                            |                           |                                 |                                |
|   | Front Left Side Inner door handle  |                            |                           |                                 |                                |
|   | Rear Right Side Inner door handle  |                            |                           |                                 |                                |

|   |                                     |  |  |  |  |
|---|-------------------------------------|--|--|--|--|
|   | Rear Left Side Inner door handle    |  |  |  |  |
|   | Back Door Outer Door Handles        |  |  |  |  |
|   | Front Right Side Window motor       |  |  |  |  |
|   | Front Left Side Window motor        |  |  |  |  |
|   | Rear Right Side Window motor        |  |  |  |  |
|   | Rear Left Side Window motor         |  |  |  |  |
|   | Door control module                 |  |  |  |  |
|   | Door seal                           |  |  |  |  |
|   | Door water-shield                   |  |  |  |  |
|   | Hinge                               |  |  |  |  |
|   | Door latch                          |  |  |  |  |
|   | Door lock and power door locks      |  |  |  |  |
|   | Central-locking                     |  |  |  |  |
|   | Fuel tank (or fuel filler) door     |  |  |  |  |
|   | <b>Windows</b>                      |  |  |  |  |
|   | Glass                               |  |  |  |  |
|   | Front Right Side Door Glass         |  |  |  |  |
|   | Front Left Side Door Glass          |  |  |  |  |
|   | Rear Right Side Door Glass          |  |  |  |  |
|   | Rear Left Side Door Glass           |  |  |  |  |
|   | Rear Right Quarter Glass            |  |  |  |  |
|   | Rear Left Quarter Glass             |  |  |  |  |
|   | Window motor                        |  |  |  |  |
|   | Window regulator                    |  |  |  |  |
|   | Windshield (also called windscreen) |  |  |  |  |
|   | Windshield washer motor             |  |  |  |  |
|   | Window seal                         |  |  |  |  |
| 2 | <b>Electrical and electronics</b>   |  |  |  |  |
|   | <b>Audio/video devices</b>          |  |  |  |  |
|   | Antenna assembly                    |  |  |  |  |
|   | Antenna cable                       |  |  |  |  |
|   | Radio and media player              |  |  |  |  |
|   | Speaker                             |  |  |  |  |
|   | Tuner                               |  |  |  |  |
|   | Subwoofer                           |  |  |  |  |
|   | Video player                        |  |  |  |  |
|   | Electrical supply system;           |  |  |  |  |
|   | Alternator                          |  |  |  |  |
|   | Battery Cable terminal              |  |  |  |  |
|   | Voltage regulator                   |  |  |  |  |
|   | Gauges and meters;                  |  |  |  |  |

|  |  |  |  |  |
|--|--|--|--|--|
| Odometer   |  |  |  |  |
| Speedometer  |  |  |  |  |
| Tachometer   |  |  |  |  |
| Fuel gauge   |  |  |  |  |
| Temperature gauge  |  |  |  |  |
| Voltmeter  |  |  |  |  |
| Water temperature meter  |  |  |  |  |
| Oil pressure gauge   |  |  |  |  |
| Ignition electronic system;  |  |  |  |  |
| Sparking cable   |  |  |  |  |
| Ignition coil  |  |  |  |  |
| Spark plug   |  |  |  |  |
| Glow Plug  |  |  |  |  |
| <b>Engine bay lighting;</b>  |  |  |  |  |
| Fog light (also called foglamp)  |  |  |  |  |
| Spotlight  |  |  |  |  |
| Headlight (also called headlamp)   |  |  |  |  |
| Headlight motor  |  |  |  |  |
| Interior light and lamp  |  |  |  |  |
| License plate lamp (also called number plate lamp or registration plate lamp)  |  |  |  |  |
| Side lighting  |  |  |  |  |
| Tail light   |  |  |  |  |
| Tail light cover   |  |  |  |  |
| Indicator light  |  |  |  |  |
| turn signal control, also called the turn signal lever, also called the "turn signal stalk", typically mounted on the steering shaft behind the steering wheel |  |  |  |  |
| Sensors  |  |  |  |  |
| Airbag sensors   |  |  |  |  |
| Automatic transmission speed sensor  |  |  |  |  |
| Camshaft position sensor   |  |  |  |  |
| Crankshaft position sensor   |  |  |  |  |
| Coolant temperature sensor   |  |  |  |  |
| Fuel level sensor  |  |  |  |  |
| Fuel pressure sensor   |  |  |  |  |
| Knock sensor   |  |  |  |  |
| Light sensor   |  |  |  |  |
| MAP sensor   |  |  |  |  |
| Mass airflow sensor  |  |  |  |  |
| Oil level sensor   |  |  |  |  |

|   |                                       |  |  |  |  |
|---|---------------------------------------|--|--|--|--|
|   | Oil pressure sensor                   |  |  |  |  |
|   | Oxygen sensor (o2)                    |  |  |  |  |
|   | Throttle position sensor              |  |  |  |  |
|   | ABS Sensor                            |  |  |  |  |
|   | Starting system;                      |  |  |  |  |
|   | Starter                               |  |  |  |  |
|   | Starter drive                         |  |  |  |  |
|   | starter pinion gear                   |  |  |  |  |
|   | Starter motor                         |  |  |  |  |
|   | Starter solenoid                      |  |  |  |  |
|   | Glowplug                              |  |  |  |  |
|   | <b>Electrical switches;</b>           |  |  |  |  |
|   | Battery                               |  |  |  |  |
|   | Door switch                           |  |  |  |  |
|   | Ignition switch                       |  |  |  |  |
|   | Power window switch                   |  |  |  |  |
|   | Steering column switch                |  |  |  |  |
|   | Switch cover                          |  |  |  |  |
|   | Switch panel                          |  |  |  |  |
|   | Thermostat                            |  |  |  |  |
|   | Frame switch                          |  |  |  |  |
|   | Fan ditch                             |  |  |  |  |
|   | Parts and functions of starter system |  |  |  |  |
|   | Neutral Safety Switch                 |  |  |  |  |
|   | <b>Wiring harnesses;</b>              |  |  |  |  |
|   | Air conditioning harness              |  |  |  |  |
|   | Engine compartment harness            |  |  |  |  |
|   | Interior harness                      |  |  |  |  |
|   | floor harness                         |  |  |  |  |
|   | Main harness                          |  |  |  |  |
|   | control harness                       |  |  |  |  |
|   |                                       |  |  |  |  |
|   | Air bag control module                |  |  |  |  |
|   | Alarm and siren                       |  |  |  |  |
|   | Central locking system                |  |  |  |  |
|   | Engine computer and management system |  |  |  |  |
|   | Engine control unit[ECU]              |  |  |  |  |
| 3 | <b>Interior</b>                       |  |  |  |  |
|   | Dash Panels                           |  |  |  |  |
|   | Dashboard                             |  |  |  |  |
|   | Center console                        |  |  |  |  |

|   |  |  |  |  |  |
|---|--|--|--|--|--|
|   | Glove compartment                                  |  |  |  |  |
|   | Hood and trunk release cable                       |  |  |  |  |
|   | <b>Floor components and parts</b>                  |  |  |  |  |
|   | Carpet and other floor material                    |  |  |  |  |
|   | Center console (front and rear)                    |  |  |  |  |
|   | Roll cage  |  |  |  |  |
|   | Car seat   |  |  |  |  |
|   | Arm Rest   |  |  |  |  |
|   | Bench seat   |  |  |  |  |
|   | Bucket seat  |  |  |  |  |
|   | Fastener   |  |  |  |  |
|   | Headrest   |  |  |  |  |
|   | Seat belt  |  |  |  |  |
|   | Seat bracket                                       |  |  |  |  |
|   | Seat cover   |  |  |  |  |
|   | Seat track   |  |  |  |  |
|   | Back seat  |  |  |  |  |
|   |  |  |  |  |  |
| 4 | <b>Power-train and chassis</b>                     |  |  |  |  |
|   | Braking system                                     |  |  |  |  |
|   | Anti-lock braking system                           |  |  |  |  |
|   | Adjusting mechanism ( <i>adjuster star wheel</i> ) |  |  |  |  |
|   | Anchor   |  |  |  |  |
|   | Bleed nipple                                       |  |  |  |  |
|   | Brake backing plate                                |  |  |  |  |
|   | Brake backing pad                                  |  |  |  |  |
|   | Brake cooling duct                                 |  |  |  |  |
|   | Brake disc   |  |  |  |  |
|   | Brake Fluid  |  |  |  |  |
|   | Brake drum   |  |  |  |  |
|   | Brake lining                                       |  |  |  |  |
|   | Brake pad  |  |  |  |  |
|   | Brake pedal  |  |  |  |  |
|   | Brake piston                                       |  |  |  |  |
|   | Brake pump   |  |  |  |  |
|   | Brake roll   |  |  |  |  |
|   | Brake rotor  |  |  |  |  |
|   | Brake servo  |  |  |  |  |
|   | Brake shoe   |  |  |  |  |



|   |  |  |  |  |
|---|--|--|--|--|
| Brake lining                                  |  |  |  |  |
| Shoe web                                      |  |  |  |  |
| Brake warning light                           |  |  |  |  |
| Calibrated friction brake                     |  |  |  |  |
| Caliper                                       |  |  |  |  |
| Combination valve                             |  |  |  |  |
| Dual circuit brake system                     |  |  |  |  |
| Hold-down springs ( <i>retainer springs</i> ) |  |  |  |  |
| Hose  |  |  |  |  |
| Brake booster hose                            |  |  |  |  |
| Air brake nylon hose                          |  |  |  |  |
| Brake duct hose                               |  |  |  |  |
| Hydraulic booster unit                        |  |  |  |  |
| Load-sensing valve                            |  |  |  |  |
| Master cylinder                               |  |  |  |  |
| Metering valve                                |  |  |  |  |
| Other braking system parts                    |  |  |  |  |
| Park brake lever/handle (hand brake)          |  |  |  |  |
| Pressure differential valve                   |  |  |  |  |
| Proportioning valve                           |  |  |  |  |
| Reservoir                                     |  |  |  |  |
| Shoe return spring                            |  |  |  |  |
| Tyre  |  |  |  |  |
| Vacuum brake booster                          |  |  |  |  |
| Wheel cylinder ( <i>slave cylinder</i> )      |  |  |  |  |
| Wheel stud                                    |  |  |  |  |
| <b>Engine components and parts</b>            |  |  |  |  |
| Diesel engine, petrol engine                  |  |  |  |  |
| Air duct                                      |  |  |  |  |
| Air intake housing                            |  |  |  |  |
| Air intake manifold                           |  |  |  |  |
| Camshaft                                      |  |  |  |  |
| Camshaft bearing                              |  |  |  |  |
| Camshaft fastener                             |  |  |  |  |
| Camshaft follower                             |  |  |  |  |
| Camshaft locking plate                        |  |  |  |  |
| Camshaft pushrod                              |  |  |  |  |
| Camshaft spacer ring                          |  |  |  |  |
| Camshaft phase variator                       |  |  |  |  |
| Connecting rod                                |  |  |  |  |

|  |  |  |  |  |
|--|--|--|--|--|
| Connecting rod bearing                           |  |  |  |  |
| Connecting rod bolt                              |  |  |  |  |
| Connecting rod washer                            |  |  |  |  |
| Crank case                                       |  |  |  |  |
| Crank pulley                                     |  |  |  |  |
| Crankshaft                                       |  |  |  |  |
| Crankshaft oil seal                              |  |  |  |  |
| Cylinder head                                    |  |  |  |  |
| Cylinder head cover                              |  |  |  |  |
| Other cylinder head cover parts                  |  |  |  |  |
| Cylinder head gasket                             |  |  |  |  |
| Distributor                                      |  |  |  |  |
| Distributor cap                                  |  |  |  |  |
| Drive belt                                       |  |  |  |  |
| Engine block                                     |  |  |  |  |
| Engine cradle                                    |  |  |  |  |
| Engine shake damper and vibration absorber       |  |  |  |  |
| Engine valve                                     |  |  |  |  |
| Fan belt   |  |  |  |  |
| Gudgeon pin ( <i>wrist pin</i> )                 |  |  |  |  |
| Harmonic balancer                                |  |  |  |  |
| Heater   |  |  |  |  |
| Mounting   |  |  |  |  |
| Piston   |  |  |  |  |
| Piston pin and crank pin                         |  |  |  |  |
| Piston pin bush                                  |  |  |  |  |
| Piston ring and circlip                          |  |  |  |  |
| Poppet valve                                     |  |  |  |  |
| PCV valve (positive crankcase ventilation valve) |  |  |  |  |
| Pulley part                                      |  |  |  |  |
| Rocker arm                                       |  |  |  |  |
| Rocker cover                                     |  |  |  |  |
| Starter motor                                    |  |  |  |  |
| Starter pinion                                   |  |  |  |  |
| Starter ring                                     |  |  |  |  |
| Turbocharger and supercharger                    |  |  |  |  |
| Tappet   |  |  |  |  |
| Timing tape                                      |  |  |  |  |
| Valve cover                                      |  |  |  |  |
| Valve housing                                    |  |  |  |  |
| Valve spring                                     |  |  |  |  |

|                           |  |  |  |  |
|---------------------------|--|--|--|--|
| Valve stem seal           |  |  |  |  |
| Water pump pulley         |  |  |  |  |
| Engine cooling system     |  |  |  |  |
| Air blower                |  |  |  |  |
| Coolant hose (clamp)      |  |  |  |  |
| Cooling fan               |  |  |  |  |
| Fan blade                 |  |  |  |  |
| Fan clutch                |  |  |  |  |
| Radiator                  |  |  |  |  |
| Radiator bolt             |  |  |  |  |
| Radiator (fan) shroud     |  |  |  |  |
| Radiator gasket           |  |  |  |  |
| Radiator pressure cap     |  |  |  |  |
| Overflow tank             |  |  |  |  |
| Thermostat                |  |  |  |  |
| Water neck                |  |  |  |  |
| Water neck o-ring         |  |  |  |  |
| Water pipe                |  |  |  |  |
| Water pump                |  |  |  |  |
| Water pump gasket         |  |  |  |  |
| Water tank                |  |  |  |  |
| <b>Engine oil systems</b> |  |  |  |  |
| Oil filter                |  |  |  |  |
| Oil gasket                |  |  |  |  |
| Oil pan                   |  |  |  |  |
| Oil pipe                  |  |  |  |  |
| Oil pump                  |  |  |  |  |
| Oil strainer              |  |  |  |  |
| Exhaust system            |  |  |  |  |
| Catalytic converter       |  |  |  |  |
| Exhaust clamp and bracket |  |  |  |  |
| Exhaust flange gasket     |  |  |  |  |
| Exhaust gasket            |  |  |  |  |
| Exhaust manifold          |  |  |  |  |
| Exhaust manifold gasket   |  |  |  |  |
| Exhaust pipe              |  |  |  |  |
| Heat shield               |  |  |  |  |
| Heat sleeving and tape    |  |  |  |  |
| Resonator                 |  |  |  |  |
| Muffler (Silencer)        |  |  |  |  |
| Spacer ring               |  |  |  |  |
| <b>Fuel supply system</b> |  |  |  |  |

|   |  |  |  |  |
|---|--|--|--|--|
| Air filter                                    |  |  |  |  |
| Carburetor                                    |  |  |  |  |
| Carburetor parts                              |  |  |  |  |
| Choke cable                                   |  |  |  |  |
| EGR valve                                     |  |  |  |  |
| Fuel cap                                      |  |  |  |  |
| Fuel cell                                     |  |  |  |  |
| Fuel cell component                           |  |  |  |  |
| Fuel cooler                                   |  |  |  |  |
| Fuel distributor                              |  |  |  |  |
| Fuel filter                                   |  |  |  |  |
| Fuel filter seal                              |  |  |  |  |
| Fuel injector                                 |  |  |  |  |
| Fuel injector nozzle                          |  |  |  |  |
| Fuel line                                     |  |  |  |  |
| Fuel pump                                     |  |  |  |  |
| Fuel pump gasket                              |  |  |  |  |
| Fuel pressure regulator                       |  |  |  |  |
| Fuel rail                                     |  |  |  |  |
| Fuel tank                                     |  |  |  |  |
| Fuel tank cover                               |  |  |  |  |
| Fuel water separator                          |  |  |  |  |
| Intake manifold                               |  |  |  |  |
| Intake manifold gasket                        |  |  |  |  |
| LPG (Liquefied petroleum gas) system assembly |  |  |  |  |
| Throttle body                                 |  |  |  |  |
| Suspension and steering systems               |  |  |  |  |
| Axle  |  |  |  |  |
| Camber arm                                    |  |  |  |  |
| Control arm                                   |  |  |  |  |
| Beam axle                                     |  |  |  |  |
| Idler arm                                     |  |  |  |  |
| Kingpin                                       |  |  |  |  |
| Lateral link                                  |  |  |  |  |
| Pan-hard rod                                  |  |  |  |  |
| Pit-man arm                                   |  |  |  |  |
| Power steering assembly and component         |  |  |  |  |
| Rack end                                      |  |  |  |  |
| Shock absorber                                |  |  |  |  |
| Spindle                                       |  |  |  |  |
| Spring  |  |  |  |  |

|  |  |  |  |  |
|--|--|--|--|--|
| Air spring   |  |  |  |  |
| Coil spring  |  |  |  |  |
| Leaf and parabolic leaf spring   |  |  |  |  |
| Ball joint   |  |  |  |  |
| Rubber spring  |  |  |  |  |
| Spiral spring  |  |  |  |  |
| Stabilizer bars and link   |  |  |  |  |
| Steering arm   |  |  |  |  |
| Steering box   |  |  |  |  |
| Steering column assembly   |  |  |  |  |
| Steering rack (a form of steering gear; see also rack and pinion and recirculating ball) |  |  |  |  |
| Steering shaft   |  |  |  |  |
| Steering wheel (driving wheel)   |  |  |  |  |
| Strut  |  |  |  |  |
| Stub axle  |  |  |  |  |
| Suspension link and bolt   |  |  |  |  |
| Sway bar link  |  |  |  |  |
| Tie bar  |  |  |  |  |
| Tie rod  |  |  |  |  |
| Tie rod end  |  |  |  |  |
| Track Bar  |  |  |  |  |
| Toe link   |  |  |  |  |
| Trailing arm   |  |  |  |  |
| Transmission system  |  |  |  |  |
| Adjustable pedal   |  |  |  |  |
| Axle shaft   |  |  |  |  |
| Bell housing   |  |  |  |  |
| Universal joint  |  |  |  |  |
| Other belts  |  |  |  |  |
| Carrier assembly   |  |  |  |  |
| Chain wheel and sprocket   |  |  |  |  |
| Clutch assembly  |  |  |  |  |
| Clutch cable   |  |  |  |  |
| Clutch disk  |  |  |  |  |
| Clutch fan   |  |  |  |  |
| Clutch fork  |  |  |  |  |
| Clutch hose  |  |  |  |  |
| Clutch lever   |  |  |  |  |
| Clutch lining  |  |  |  |  |
| Clutch pedal   |  |  |  |  |

|   |  |  |  |  |
|---|--|--|--|--|
| Clutch pressure plate   |  |  |  |  |
| Clutch shoe   |  |  |  |  |
| Clutch spring   |  |  |  |  |
| Differential  |  |  |  |  |
| Differential case   |  |  |  |  |
| Pinion bearing  |  |  |  |  |
| Differential clutch   |  |  |  |  |
| Spider gears  |  |  |  |  |
| Differential casing   |  |  |  |  |
| Differential flange   |  |  |  |  |
| Differential gear   |  |  |  |  |
| Differential seal   |  |  |  |  |
| Flywheel  |  |  |  |  |
| Flywheel ring gear  |  |  |  |  |
| Gear  |  |  |  |  |
| Gear coupling   |  |  |  |  |
| Gear pump   |  |  |  |  |
| Gear ring   |  |  |  |  |
| Gear stick (gear-stick, gear lever, selection lever, shift stick, gear shifter) |  |  |  |  |
| Gearbox   |  |  |  |  |
| Idler gear  |  |  |  |  |
| Knuckle   |  |  |  |  |
| Master cylinder   |  |  |  |  |
| Output shaft  |  |  |  |  |
| Pinion  |  |  |  |  |
| Planetary gear set  |  |  |  |  |
| Prop shaft (drive shaft, propeller shaft)                                       |  |  |  |  |
| Shift cable   |  |  |  |  |
| Shift fork  |  |  |  |  |
| Shift knob  |  |  |  |  |
| Shift lever   |  |  |  |  |
| Slave cylinder  |  |  |  |  |
| Speed reducer   |  |  |  |  |
| Speedometer gear  |  |  |  |  |
| Steering gear   |  |  |  |  |
| Torque converter  |  |  |  |  |
| Trans-axle housing  |  |  |  |  |
| Transfer case   |  |  |  |  |
| Transmission gear   |  |  |  |  |
| Transmission pan  |  |  |  |  |

|          |                                     |  |  |  |  |
|----------|-------------------------------------|--|--|--|--|
|          | Transmission seal and bonded piston |  |  |  |  |
|          | Transmission spring                 |  |  |  |  |
|          | Transmission yoke                   |  |  |  |  |
| <b>5</b> | <b>Miscellaneous auto parts</b>     |  |  |  |  |
|          | Universal joint (UJ, card-an joint) |  |  |  |  |
|          | Bearings                            |  |  |  |  |
|          | Grooved ball bearing                |  |  |  |  |
|          | Needle bearing                      |  |  |  |  |
|          | Roller bearing                      |  |  |  |  |
|          | Sleeve bearing                      |  |  |  |  |
|          | wheel bearing                       |  |  |  |  |
|          | Mirror                              |  |  |  |  |
|          | Horn                                |  |  |  |  |
|          | Sun visor                           |  |  |  |  |

**Table 4D: ISUZU MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh for replacement of part/assembly.</b> |                                   |                      |                      |                       |                 |
|--|-----------------------------------|----------------------|----------------------|-----------------------|-----------------|
| <b>(use genuine parts only)</b>  |                                   |                      |                      |                       |                 |
|  | <b>Item Description</b>           | ISUZU LORRY(<br>FRR) | ISUZU LORRY<br>(FSR) | ISUZU BUS<br>(MV 123) | ISUZU BUS (NPR) |
| <b>1</b>   | <b>Car body and main part</b>     |                      |                      |                       |                 |
|  | Bonnet/hood                       |                      |                      |                       |                 |
|  | Bumper                            |                      |                      |                       |                 |
|  | Fender (wing or mudguard)         |                      |                      |                       |                 |
|  | Front fascia and header panel     |                      |                      |                       |                 |
|  | Grille (also called grill)        |                      |                      |                       |                 |
|  | Quarter panel                     |                      |                      |                       |                 |
|  | Radiator core support             |                      |                      |                       |                 |
|  | Rocker                            |                      |                      |                       |                 |
|  | Roof rack                         |                      |                      |                       |                 |
|  | Front spoiler ( <i>air dam</i> )  |                      |                      |                       |                 |
|  | Rear spoiler ( <i>wing</i> )      |                      |                      |                       |                 |
|  | Rims                              |                      |                      |                       |                 |
|  | Hubcap                            |                      |                      |                       |                 |
|  | Trim package                      |                      |                      |                       |                 |
|  | Trunk/boot/hatch                  |                      |                      |                       |                 |
|  | Doors                             |                      |                      |                       |                 |
|  | Front Right Outer door handle     |                      |                      |                       |                 |
|  | Front Left Side Outer door handle |                      |                      |                       |                 |
|  | Rear Right Side Outer door handle |                      |                      |                       |                 |

|   |                                     |  |  |  |  |
|---|-------------------------------------|--|--|--|--|
|   | Rear Left Side Outer door handle    |  |  |  |  |
|   | Front Right Side Inner door handle  |  |  |  |  |
|   | Front Left Side Inner door handle   |  |  |  |  |
|   | Rear Right Side Inner door handle   |  |  |  |  |
|   | Rear Left Side Inner door handle    |  |  |  |  |
|   | Back Door Outer Door Handles        |  |  |  |  |
|   | Front Right Side Window motor       |  |  |  |  |
|   | Front Left Side Window motor        |  |  |  |  |
|   | Rear Right Side Window motor        |  |  |  |  |
|   | Rear Left Side Window motor         |  |  |  |  |
|   | Door control module                 |  |  |  |  |
|   | Door seal                           |  |  |  |  |
|   | Door water-shield                   |  |  |  |  |
|   | Hinge                               |  |  |  |  |
|   | Door latch                          |  |  |  |  |
|   | Door lock and power door locks      |  |  |  |  |
|   | Central-locking                     |  |  |  |  |
|   | Fuel tank (or fuel filler) door     |  |  |  |  |
|   | <b>Windows</b>                      |  |  |  |  |
|   | Glass                               |  |  |  |  |
|   | Front Right Side Door Glass         |  |  |  |  |
|   | Front Left Side Door Glass          |  |  |  |  |
|   | Rear Right Side Door Glass          |  |  |  |  |
|   | Rear Left Side Door Glass           |  |  |  |  |
|   | Rear Right Quarter Glass            |  |  |  |  |
|   | Rear Left Quarter Glass             |  |  |  |  |
|   | Window motor                        |  |  |  |  |
|   | Window regulator                    |  |  |  |  |
|   | Windshield (also called windscreen) |  |  |  |  |
|   | Windshield washer motor             |  |  |  |  |
|   | Window seal                         |  |  |  |  |
| 2 | <b>Electrical and electronics</b>   |  |  |  |  |
|   | <b>Audio/video devices</b>          |  |  |  |  |
|   | Antenna assembly                    |  |  |  |  |
|   | Antenna cable                       |  |  |  |  |
|   | Radio and media player              |  |  |  |  |
|   | Speaker                             |  |  |  |  |
|   | Tuner                               |  |  |  |  |
|   | Subwoofer                           |  |  |  |  |
|   | Video player                        |  |  |  |  |



|  |  |  |  |  |
|--|--|--|--|--|
| Electrical supply system;  |  |  |  |  |
| Alternator   |  |  |  |  |
| Battery Cable terminal   |  |  |  |  |
| Voltage regulator  |  |  |  |  |
| Gauges and meters;   |  |  |  |  |
| Odometer   |  |  |  |  |
| Speedometer  |  |  |  |  |
| Tachometer   |  |  |  |  |
| Fuel gauge   |  |  |  |  |
| Temperature gauge  |  |  |  |  |
| Voltmeter  |  |  |  |  |
| Water temperature meter  |  |  |  |  |
| Oil pressure gauge   |  |  |  |  |
| Ignition electronic system;  |  |  |  |  |
| Sparking cable   |  |  |  |  |
| Ignition coil  |  |  |  |  |
| Spark plug   |  |  |  |  |
| Glow Plug  |  |  |  |  |
| <b>Engine bay lighting;</b>  |  |  |  |  |
| Fog light (also called foglamp)  |  |  |  |  |
| Spotlight  |  |  |  |  |
| Headlight (also called headlamp)   |  |  |  |  |
| Headlight motor  |  |  |  |  |
| Interior light and lamp  |  |  |  |  |
| License plate lamp (also called number plate lamp or registration plate lamp)  |  |  |  |  |
| Side lighting  |  |  |  |  |
| Tail light   |  |  |  |  |
| Tail light cover   |  |  |  |  |
| Indicator light  |  |  |  |  |
| turn signal control, also called the turn signal lever, also called the "turn signal stalk", typically mounted on the steering shaft behind the steering wheel |  |  |  |  |
| Sensors  |  |  |  |  |
| Airbag sensors   |  |  |  |  |
| Automatic transmission speed sensor  |  |  |  |  |
| Camshaft position sensor   |  |  |  |  |
| Crankshaft position sensor   |  |  |  |  |
| Coolant temperature sensor   |  |  |  |  |
| Fuel level sensor  |  |  |  |  |
| Fuel pressure sensor   |  |  |  |  |

|                                       |  |  |  |  |
|---------------------------------------|--|--|--|--|
| Knock sensor                          |  |  |  |  |
| Light sensor                          |  |  |  |  |
| MAP sensor                            |  |  |  |  |
| Mass airflow sensor                   |  |  |  |  |
| Oil level sensor                      |  |  |  |  |
| Oil pressure sensor                   |  |  |  |  |
| Oxygen sensor (o2)                    |  |  |  |  |
| Throttle position sensor              |  |  |  |  |
| ABS Sensor                            |  |  |  |  |
| Starting system;                      |  |  |  |  |
| Starter                               |  |  |  |  |
| Starter drive                         |  |  |  |  |
| starter pinion gear                   |  |  |  |  |
| Starter motor                         |  |  |  |  |
| Starter solenoid                      |  |  |  |  |
| Glowplug                              |  |  |  |  |
| <b>Electrical switches;</b>           |  |  |  |  |
| Battery                               |  |  |  |  |
| Door switch                           |  |  |  |  |
| Ignition switch                       |  |  |  |  |
| Power window switch                   |  |  |  |  |
| Steering column switch                |  |  |  |  |
| Switch cover                          |  |  |  |  |
| Switch panel                          |  |  |  |  |
| Thermostat                            |  |  |  |  |
| Frame switch                          |  |  |  |  |
| Fan ditch                             |  |  |  |  |
| Parts and functions of starter system |  |  |  |  |
| Neutral Safety Switch                 |  |  |  |  |
| <b>Wiring harnesses;</b>              |  |  |  |  |
| Air conditioning harness              |  |  |  |  |
| Engine compartment harness            |  |  |  |  |
| Interior harness                      |  |  |  |  |
| floor harness                         |  |  |  |  |
| Main harness                          |  |  |  |  |
| control harness                       |  |  |  |  |
|                                       |  |  |  |  |
| Air bag control module                |  |  |  |  |
| Alarm and siren                       |  |  |  |  |
| Central locking system                |  |  |  |  |
| Engine computer and management system |  |  |  |  |

|   |  |  |  |  |  |
|---|--|--|--|--|--|
|   | Engine control unit[ECU]                           |  |  |  |  |
| 3 | <b>Interior</b>                                    |  |  |  |  |
|   | Dash Panels  |  |  |  |  |
|   | Dashboard  |  |  |  |  |
|   | Center console                                     |  |  |  |  |
|   | Glove compartment                                  |  |  |  |  |
|   | Hood and trunk release cable                       |  |  |  |  |
|   | <b>Floor components and parts</b>                  |  |  |  |  |
|   | Carpet and other floor material                    |  |  |  |  |
|   | Center console (front and rear)                    |  |  |  |  |
|   | Roll cage  |  |  |  |  |
|   | Car seat   |  |  |  |  |
|   | Arm Rest   |  |  |  |  |
|   | Bench seat   |  |  |  |  |
|   | Bucket seat  |  |  |  |  |
|   | Fastener   |  |  |  |  |
|   | Headrest   |  |  |  |  |
|   | Seat belt  |  |  |  |  |
|   | Seat bracket                                       |  |  |  |  |
|   | Seat cover   |  |  |  |  |
|   | Seat track   |  |  |  |  |
|   | Back seat  |  |  |  |  |
|   |  |  |  |  |  |
| 4 | <b>Power-train and chassis</b>                     |  |  |  |  |
|   | Braking system                                     |  |  |  |  |
|   | Anti-lock braking system                           |  |  |  |  |
|   | Adjusting mechanism ( <i>adjuster star wheel</i> ) |  |  |  |  |
|   | Anchor   |  |  |  |  |
|   | Bleed nipple                                       |  |  |  |  |
|   | Brake backing plate                                |  |  |  |  |
|   | Brake backing pad                                  |  |  |  |  |
|   | Brake cooling duct                                 |  |  |  |  |
|   | Brake disc   |  |  |  |  |
|   | Brake Fluid  |  |  |  |  |
|   | Brake drum   |  |  |  |  |
|   | Brake lining                                       |  |  |  |  |
|   | Brake pad  |  |  |  |  |
|   | Brake pedal  |  |  |  |  |
|   | Brake piston                                       |  |  |  |  |

|   |  |  |  |  |
|---|--|--|--|--|
| Brake pump                                    |  |  |  |  |
| Brake roll                                    |  |  |  |  |
| Brake rotor                                   |  |  |  |  |
| Brake servo                                   |  |  |  |  |
| Brake shoe                                    |  |  |  |  |
| Brake lining                                  |  |  |  |  |
| Shoe web                                      |  |  |  |  |
| Brake warning light                           |  |  |  |  |
| Calibrated friction brake                     |  |  |  |  |
| Caliper                                       |  |  |  |  |
| Combination valve                             |  |  |  |  |
| Dual circuit brake system                     |  |  |  |  |
| Hold-down springs ( <i>retainer springs</i> ) |  |  |  |  |
| Hose  |  |  |  |  |
| Brake booster hose                            |  |  |  |  |
| Air brake nylon hose                          |  |  |  |  |
| Brake duct hose                               |  |  |  |  |
| Hydraulic booster unit                        |  |  |  |  |
| Load-sensing valve                            |  |  |  |  |
| Master cylinder                               |  |  |  |  |
| Metering valve                                |  |  |  |  |
| Other braking system parts                    |  |  |  |  |
| Park brake lever/handle (hand brake)          |  |  |  |  |
| Pressure differential valve                   |  |  |  |  |
| Proportioning valve                           |  |  |  |  |
| Reservoir                                     |  |  |  |  |
| Shoe return spring                            |  |  |  |  |
| Tyre  |  |  |  |  |
| Vacuum brake booster                          |  |  |  |  |
| Wheel cylinder ( <i>slave cylinder</i> )      |  |  |  |  |
| Wheel stud                                    |  |  |  |  |
| <b>Engine components and parts</b>            |  |  |  |  |
| Diesel engine, petrol engine                  |  |  |  |  |
| Air duct                                      |  |  |  |  |
| Air intake housing                            |  |  |  |  |
| Air intake manifold                           |  |  |  |  |
| Camshaft                                      |  |  |  |  |
| Camshaft bearing                              |  |  |  |  |
| Camshaft fastener                             |  |  |  |  |
| Camshaft follower                             |  |  |  |  |

|  |  |  |  |  |
|--|--|--|--|--|
| Camshaft locking plate                           |  |  |  |  |
| Camshaft pushrod                                 |  |  |  |  |
| Camshaft spacer ring                             |  |  |  |  |
| Camshaft phase variator                          |  |  |  |  |
| Connecting rod                                   |  |  |  |  |
| Connecting rod bearing                           |  |  |  |  |
| Connecting rod bolt                              |  |  |  |  |
| Connecting rod washer                            |  |  |  |  |
| Crank case                                       |  |  |  |  |
| Crank pulley                                     |  |  |  |  |
| Crankshaft                                       |  |  |  |  |
| Crankshaft oil seal                              |  |  |  |  |
| Cylinder head                                    |  |  |  |  |
| Cylinder head cover                              |  |  |  |  |
| Other cylinder head cover parts                  |  |  |  |  |
| Cylinder head gasket                             |  |  |  |  |
| Distributor                                      |  |  |  |  |
| Distributor cap                                  |  |  |  |  |
| Drive belt                                       |  |  |  |  |
| Engine block                                     |  |  |  |  |
| Engine cradle                                    |  |  |  |  |
| Engine shake damper and vibration absorber       |  |  |  |  |
| Engine valve                                     |  |  |  |  |
| Fan belt   |  |  |  |  |
| Gudgeon pin ( <i>wrist pin</i> )                 |  |  |  |  |
| Harmonic balancer                                |  |  |  |  |
| Heater   |  |  |  |  |
| Mounting   |  |  |  |  |
| Piston   |  |  |  |  |
| Piston pin and crank pin                         |  |  |  |  |
| Piston pin bush                                  |  |  |  |  |
| Piston ring and circlip                          |  |  |  |  |
| Poppet valve                                     |  |  |  |  |
| PCV valve (positive crankcase ventilation valve) |  |  |  |  |
| Pulley part                                      |  |  |  |  |
| Rocker arm                                       |  |  |  |  |
| Rocker cover                                     |  |  |  |  |
| Starter motor                                    |  |  |  |  |
| Starter pinion                                   |  |  |  |  |
| Starter ring                                     |  |  |  |  |
| Turbocharger and supercharger                    |  |  |  |  |

|                           |  |  |  |  |
|---------------------------|--|--|--|--|
| Tappet                    |  |  |  |  |
| Timing tape               |  |  |  |  |
| Valve cover               |  |  |  |  |
| Valve housing             |  |  |  |  |
| Valve spring              |  |  |  |  |
| Valve stem seal           |  |  |  |  |
| Water pump pulley         |  |  |  |  |
| Engine cooling system     |  |  |  |  |
| Air blower                |  |  |  |  |
| Coolant hose (clamp)      |  |  |  |  |
| Cooling fan               |  |  |  |  |
| Fan blade                 |  |  |  |  |
| Fan clutch                |  |  |  |  |
| Radiator                  |  |  |  |  |
| Radiator bolt             |  |  |  |  |
| Radiator (fan) shroud     |  |  |  |  |
| Radiator gasket           |  |  |  |  |
| Radiator pressure cap     |  |  |  |  |
| Overflow tank             |  |  |  |  |
| Thermostat                |  |  |  |  |
| Water neck                |  |  |  |  |
| Water neck o-ring         |  |  |  |  |
| Water pipe                |  |  |  |  |
| Water pump                |  |  |  |  |
| Water pump gasket         |  |  |  |  |
| Water tank                |  |  |  |  |
| <b>Engine oil systems</b> |  |  |  |  |
| Oil filter                |  |  |  |  |
| Oil gasket                |  |  |  |  |
| Oil pan                   |  |  |  |  |
| Oil pipe                  |  |  |  |  |
| Oil pump                  |  |  |  |  |
| Oil strainer              |  |  |  |  |
| Exhaust system            |  |  |  |  |
| Catalytic converter       |  |  |  |  |
| Exhaust clamp and bracket |  |  |  |  |
| Exhaust flange gasket     |  |  |  |  |
| Exhaust gasket            |  |  |  |  |
| Exhaust manifold          |  |  |  |  |
| Exhaust manifold gasket   |  |  |  |  |
| Exhaust pipe              |  |  |  |  |
| Heat shield               |  |  |  |  |

|   |  |  |  |  |
|---|--|--|--|--|
| Heat sleeving and tape                        |  |  |  |  |
| Resonator                                     |  |  |  |  |
| Muffler (Silencer)                            |  |  |  |  |
| Spacer ring                                   |  |  |  |  |
| <b>Fuel supply system</b>                     |  |  |  |  |
| Air filter                                    |  |  |  |  |
| Carburetor                                    |  |  |  |  |
| Carburetor parts                              |  |  |  |  |
| Choke cable                                   |  |  |  |  |
| EGR valve                                     |  |  |  |  |
| Fuel cap                                      |  |  |  |  |
| Fuel cell                                     |  |  |  |  |
| Fuel cell component                           |  |  |  |  |
| Fuel cooler                                   |  |  |  |  |
| Fuel distributor                              |  |  |  |  |
| Fuel filter                                   |  |  |  |  |
| Fuel filter seal                              |  |  |  |  |
| Fuel injector                                 |  |  |  |  |
| Fuel injector nozzle                          |  |  |  |  |
| Fuel line                                     |  |  |  |  |
| Fuel pump                                     |  |  |  |  |
| Fuel pump gasket                              |  |  |  |  |
| Fuel pressure regulator                       |  |  |  |  |
| Fuel rail                                     |  |  |  |  |
| Fuel tank                                     |  |  |  |  |
| Fuel tank cover                               |  |  |  |  |
| Fuel water separator                          |  |  |  |  |
| Intake manifold                               |  |  |  |  |
| Intake manifold gasket                        |  |  |  |  |
| LPG (Liquefied petroleum gas) system assembly |  |  |  |  |
| Throttle body                                 |  |  |  |  |
| Suspension and steering systems               |  |  |  |  |
| Axle  |  |  |  |  |
| Camber arm                                    |  |  |  |  |
| Control arm                                   |  |  |  |  |
| Beam axle                                     |  |  |  |  |
| Idler arm                                     |  |  |  |  |
| Kingpin                                       |  |  |  |  |
| Lateral link                                  |  |  |  |  |
| Pan-hard rod                                  |  |  |  |  |
| Pit-man arm                                   |  |  |  |  |

|  |  |  |  |  |
|--|--|--|--|--|
| Power steering assembly and component  |  |  |  |  |
| Rack end   |  |  |  |  |
| Shock absorber   |  |  |  |  |
| Spindle  |  |  |  |  |
| Spring   |  |  |  |  |
| Air spring   |  |  |  |  |
| Coil spring  |  |  |  |  |
| Leaf and parabolic leaf spring   |  |  |  |  |
| Ball joint   |  |  |  |  |
| Rubber spring  |  |  |  |  |
| Spiral spring  |  |  |  |  |
| Stabilizer bars and link   |  |  |  |  |
| Steering arm   |  |  |  |  |
| Steering box   |  |  |  |  |
| Steering column assembly   |  |  |  |  |
| Steering rack (a form of steering gear; see also rack and pinion and recirculating ball) |  |  |  |  |
| Steering shaft   |  |  |  |  |
| Steering wheel (driving wheel)   |  |  |  |  |
| Strut  |  |  |  |  |
| Stub axle  |  |  |  |  |
| Suspension link and bolt   |  |  |  |  |
| Sway bar link  |  |  |  |  |
| Tie bar  |  |  |  |  |
| Tie rod  |  |  |  |  |
| Tie rod end  |  |  |  |  |
| Track Bar  |  |  |  |  |
| Toe link   |  |  |  |  |
| Trailing arm   |  |  |  |  |
| Transmission system  |  |  |  |  |
| Adjustable pedal   |  |  |  |  |
| Axle shaft   |  |  |  |  |
| Bell housing   |  |  |  |  |
| Universal joint  |  |  |  |  |
| Other belts  |  |  |  |  |
| Carrier assembly   |  |  |  |  |
| Chain wheel and sprocket   |  |  |  |  |
| Clutch assembly  |  |  |  |  |
| Clutch cable   |  |  |  |  |
| Clutch disk  |  |  |  |  |
| Clutch fan   |  |  |  |  |



|   |  |  |  |  |
|---|--|--|--|--|
| Clutch fork   |  |  |  |  |
| Clutch hose   |  |  |  |  |
| Clutch lever  |  |  |  |  |
| Clutch lining   |  |  |  |  |
| Clutch pedal  |  |  |  |  |
| Clutch pressure plate   |  |  |  |  |
| Clutch shoe   |  |  |  |  |
| Clutch spring   |  |  |  |  |
| Differential  |  |  |  |  |
| Differential case   |  |  |  |  |
| Pinion bearing  |  |  |  |  |
| Differential clutch   |  |  |  |  |
| Spider gears  |  |  |  |  |
| Differential casing   |  |  |  |  |
| Differential flange   |  |  |  |  |
| Differential gear   |  |  |  |  |
| Differential seal   |  |  |  |  |
| Flywheel  |  |  |  |  |
| Flywheel ring gear  |  |  |  |  |
| Gear  |  |  |  |  |
| Gear coupling   |  |  |  |  |
| Gear pump   |  |  |  |  |
| Gear ring   |  |  |  |  |
| Gear stick (gear-stick, gear lever, selection lever, shift stick, gear shifter) |  |  |  |  |
| Gearbox   |  |  |  |  |
| Idler gear  |  |  |  |  |
| Knuckle   |  |  |  |  |
| Master cylinder   |  |  |  |  |
| Output shaft  |  |  |  |  |
| Pinion  |  |  |  |  |
| Planetary gear set  |  |  |  |  |
| Prop shaft (drive shaft, propeller shaft)                                       |  |  |  |  |
| Shift cable   |  |  |  |  |
| Shift fork  |  |  |  |  |
| Shift knob  |  |  |  |  |
| Shift lever   |  |  |  |  |
| Slave cylinder  |  |  |  |  |
| Speed reducer   |  |  |  |  |
| Speedometer gear  |  |  |  |  |
| Steering gear   |  |  |  |  |

|   |                                     |  |  |  |  |
|---|-------------------------------------|--|--|--|--|
|   | Torque converter                    |  |  |  |  |
|   | Trans-axle housing                  |  |  |  |  |
|   | Transfer case                       |  |  |  |  |
|   | Transmission gear                   |  |  |  |  |
|   | Transmission pan                    |  |  |  |  |
|   | Transmission seal and bonded piston |  |  |  |  |
|   | Transmission spring                 |  |  |  |  |
|   | Transmission yoke                   |  |  |  |  |
| 5 | <b>Miscellaneous auto parts</b>     |  |  |  |  |
|   | Universal joint (UJ, card-an joint) |  |  |  |  |
|   | Bearings                            |  |  |  |  |
|   | Grooved ball bearing                |  |  |  |  |
|   | Needle bearing                      |  |  |  |  |
|   | Roller bearing                      |  |  |  |  |
|   | Sleeve bearing                      |  |  |  |  |
|   | wheel bearing                       |  |  |  |  |
|   | Mirror                              |  |  |  |  |
|   | Horn                                |  |  |  |  |
|   | Sun visor                           |  |  |  |  |

**Table 4E: PASSAT MODEL**

| <b>All prices include labor, parts, sundries and VAT Applicable in Ksh for replacement of part/assembly. (use genuine parts only)</b> |                                  |                        |
|---|----------------------------------|------------------------|
|   | <b>Item Description</b>          | <b>VW PASSAT (CDA)</b> |
| <b>1</b>  | <b>Car body and main part</b>    |                        |
|   | Bonnet/hood                      |                        |
|   | Bumper                           |                        |
|   | Fender (wing or mudguard)        |                        |
|   | Front fascia and header panel    |                        |
|   | Grille (also called grill)       |                        |
|   | Quarter panel                    |                        |
|   | Radiator core support            |                        |
|   | Rocker                           |                        |
|   | Roof rack                        |                        |
|   | Front spoiler ( <i>air dam</i> ) |                        |
|   | Rear spoiler ( <i>wing</i> )     |                        |
|   | Rims                             |                        |
|   | Hubcap                           |                        |
|   | Trim package                     |                        |
|   | Trunk/boot/hatch                 |                        |
|   | Doors                            |                        |
|   | Front Right Outer door handle    | 90                     |

|   |                                     |  |
|---|-------------------------------------|--|
|   | Front Left Side Outer door handle   |  |
|   | Rear Right Side Outer door handle   |  |
|   | Rear Left Side Outer door handle    |  |
|   | Front Right Side Inner door handle  |  |
|   | Front Left Side Inner door handle   |  |
|   | Rear Right Side Inner door handle   |  |
|   | Rear Left Side Inner door handle    |  |
|   | Back Door Outer Door Handles        |  |
|   | Front Right Side Window motor       |  |
|   | Front Left Side Window motor        |  |
|   | Rear Right Side Window motor        |  |
|   | Rear Left Side Window motor         |  |
|   | Door control module                 |  |
|   | Door seal                           |  |
|   | Door water-shield                   |  |
|   | Hinge                               |  |
|   | Door latch                          |  |
|   | Door lock and power door locks      |  |
|   | Central-locking                     |  |
|   | Fuel tank (or fuel filler) door     |  |
|   | <b>Windows</b>                      |  |
|   | Glass                               |  |
|   | Front Right Side Door Glass         |  |
|   | Front Left Side Door Glass          |  |
|   | Rear Right Side Door Glass          |  |
|   | Rear Left Side Door Glass           |  |
|   | Rear Right Quarter Glass            |  |
|   | Rear Left Quarter Glass             |  |
|   | Window motor                        |  |
|   | Window regulator                    |  |
|   | Windshield (also called windscreen) |  |
|   | Windshield washer motor             |  |
|   | Window seal                         |  |
| 2 | <b>Electrical and electronics</b>   |  |
|   | <b>Audio/video devices</b>          |  |
|   | Antenna assembly                    |  |
|   | Antenna cable                       |  |
|   | Radio and media player              |  |
|   | Speaker                             |  |
|   | Tuner                               |  |
|   | Subwoofer                           |  |

|  |  |
|--|--|
| Video player   |  |
| Electrical supply system;  |  |
| Alternator   |  |
| Battery Cable terminal   |  |
| Voltage regulator  |  |
| Gauges and meters;   |  |
| Odometer   |  |
| Speedometer  |  |
| Tachometer   |  |
| Fuel gauge   |  |
| Temperature gauge  |  |
| Voltmeter  |  |
| Water temperature meter  |  |
| Oil pressure gauge   |  |
| Ignition electronic system;  |  |
| Sparking cable   |  |
| Ignition coil  |  |
| Spark plug   |  |
| Glow Plug  |  |
| <b>Engine bay lighting;</b>  |  |
| Fog light (also called foglamp)  |  |
| Spotlight  |  |
| Headlight (also called headlamp)   |  |
| Headlight motor  |  |
| Interior light and lamp  |  |
| License plate lamp (also called number plate lamp or registration plate lamp)  |  |
| Side lighting  |  |
| Tail light   |  |
| Tail light cover   |  |
| Indicator light  |  |
| turn signal control, also called the turn signal lever, also called the "turn signal stalk", typically mounted on the steering shaft behind the steering wheel |  |
| Sensors  |  |
| Airbag sensors   |  |
| Automatic transmission speed sensor  |  |
| Camshaft position sensor   |  |
| Crankshaft position sensor   |  |
| Coolant temperature sensor   |  |
| Fuel level sensor  |  |
| Fuel pressure sensor   |  |

|                                       |  |
|---------------------------------------|--|
| Knock sensor                          |  |
| Light sensor                          |  |
| MAP sensor                            |  |
| Mass airflow sensor                   |  |
| Oil level sensor                      |  |
| Oil pressure sensor                   |  |
| Oxygen sensor (o2)                    |  |
| Throttle position sensor              |  |
| ABS Sensor                            |  |
| Starting system;                      |  |
| Starter                               |  |
| Starter drive                         |  |
| starter pinion gear                   |  |
| Starter motor                         |  |
| Starter solenoid                      |  |
| Glowplug                              |  |
| <b>Electrical switches;</b>           |  |
| Battery                               |  |
| Door switch                           |  |
| Ignition switch                       |  |
| Power window switch                   |  |
| Steering column switch                |  |
| Switch cover                          |  |
| Switch panel                          |  |
| Thermostat                            |  |
| Frame switch                          |  |
| Fan ditch                             |  |
| Parts and functions of starter system |  |
| Neutral Safety Switch                 |  |
| <b>Wiring harnesses;</b>              |  |
| Air conditioning harness              |  |
| Engine compartment harness            |  |
| Interior harness                      |  |
| floor harness                         |  |
| Main harness                          |  |
| control harness                       |  |
|                                       |  |
| Air bag control module                |  |
| Alarm and siren                       |  |
| Central locking system                |  |
| Engine computer and management system |  |
| Engine control unit[ECU]              |  |

|   |  |  |
|---|--|--|
| 3 | <b>Interior</b>                                    |  |
|   | Dash Panels  |  |
|   | Dashboard  |  |
|   | Center console                                     |  |
|   | Glove compartment                                  |  |
|   | Hood and trunk release cable                       |  |
|   | <b>Floor components and parts</b>                  |  |
|   | Carpet and other floor material                    |  |
|   | Center console (front and rear)                    |  |
|   | Roll cage  |  |
|   | Car seat   |  |
|   | Arm Rest   |  |
|   | Bench seat   |  |
|   | Bucket seat  |  |
|   | Fastener   |  |
|   | Headrest   |  |
|   | Seat belt  |  |
|   | Seat bracket                                       |  |
|   | Seat cover   |  |
|   | Seat track   |  |
|   | Back seat  |  |
|   |  |  |
| 4 | <b>Power-train and chassis</b>                     |  |
|   | Braking system                                     |  |
|   | Anti-lock braking system                           |  |
|   | Adjusting mechanism ( <i>adjuster star wheel</i> ) |  |
|   | Anchor   |  |
|   | Bleed nipple                                       |  |
|   | Brake backing plate                                |  |
|   | Brake backing pad                                  |  |
|   | Brake cooling duct                                 |  |
|   | Brake disc   |  |
|   | Brake Fluid  |  |
|   | Brake drum   |  |
|   | Brake lining                                       |  |
|   | Brake pad  |  |
|   | Brake pedal  |  |
|   | Brake piston                                       |  |
|   | Brake pump   |  |
|   | Brake roll   |  |

|   |  |
|---|--|
| Brake rotor                                   |  |
| Brake servo                                   |  |
| Brake shoe                                    |  |
| Brake lining                                  |  |
| Shoe web                                      |  |
| Brake warning light                           |  |
| Calibrated friction brake                     |  |
| Caliper                                       |  |
| Combination valve                             |  |
| Dual circuit brake system                     |  |
| Hold-down springs ( <i>retainer springs</i> ) |  |
| Hose  |  |
| Brake booster hose                            |  |
| Air brake nylon hose                          |  |
| Brake duct hose                               |  |
| Hydraulic booster unit                        |  |
| Load-sensing valve                            |  |
| Master cylinder                               |  |
| Metering valve                                |  |
| Other braking system parts                    |  |
| Park brake lever/handle (hand brake)          |  |
| Pressure differential valve                   |  |
| Proportioning valve                           |  |
| Reservoir                                     |  |
| Shoe return spring                            |  |
| Tyre  |  |
| Vacuum brake booster                          |  |
| Wheel cylinder ( <i>slave cylinder</i> )      |  |
| Wheel stud                                    |  |
| <b>Engine components and parts</b>            |  |
| Diesel engine, petrol engine                  |  |
| Air duct                                      |  |
| Air intake housing                            |  |
| Air intake manifold                           |  |
| Camshaft                                      |  |
| Camshaft bearing                              |  |
| Camshaft fastener                             |  |
| Camshaft follower                             |  |
| Camshaft locking plate                        |  |
| Camshaft pushrod                              |  |
| Camshaft spacer ring                          |  |
| Camshaft phase variator                       |  |

|  |    |
|--|----|
| Connecting rod                                   |    |
| Connecting rod bearing                           |    |
| Connecting rod bolt                              |    |
| Connecting rod washer                            |    |
| Crank case                                       |    |
| Crank pulley                                     |    |
| Crankshaft                                       |    |
| Crankshaft oil seal                              |    |
| Cylinder head                                    |    |
| Cylinder head cover                              |    |
| Other cylinder head cover parts                  |    |
| Cylinder head gasket                             |    |
| Distributor                                      |    |
| Distributor cap                                  |    |
| Drive belt                                       |    |
| Engine block                                     |    |
| Engine cradle                                    |    |
| Engine shake damper and vibration absorber       |    |
| Engine valve                                     |    |
| Fan belt   |    |
| Gudgeon pin ( <i>wrist pin</i> )                 |    |
| Harmonic balancer                                |    |
| Heater   |    |
| Mounting   |    |
| Piston   |    |
| Piston pin and crank pin                         |    |
| Piston pin bush                                  |    |
| Piston ring and circlip                          |    |
| Poppet valve                                     |    |
| PCV valve (positive crankcase ventilation valve) |    |
| Pulley part                                      |    |
| Rocker arm                                       |    |
| Rocker cover                                     |    |
| Starter motor                                    |    |
| Starter pinion                                   |    |
| Starter ring                                     |    |
| Turbocharger and supercharger                    |    |
| Tappet   |    |
| Timing tape                                      |    |
| Valve cover                                      |    |
| Valve housing                                    | 96 |



|                           |  |
|---------------------------|--|
| Valve spring              |  |
| Valve stem seal           |  |
| Water pump pulley         |  |
| Engine cooling system     |  |
| Air blower                |  |
| Coolant hose (clamp)      |  |
| Cooling fan               |  |
| Fan blade                 |  |
| Fan clutch                |  |
| Radiator                  |  |
| Radiator bolt             |  |
| Radiator (fan) shroud     |  |
| Radiator gasket           |  |
| Radiator pressure cap     |  |
| Overflow tank             |  |
| Thermostat                |  |
| Water neck                |  |
| Water neck o-ring         |  |
| Water pipe                |  |
| Water pump                |  |
| Water pump gasket         |  |
| Water tank                |  |
| <b>Engine oil systems</b> |  |
| Oil filter                |  |
| Oil gasket                |  |
| Oil pan                   |  |
| Oil pipe                  |  |
| Oil pump                  |  |
| Oil strainer              |  |
| Exhaust system            |  |
| Catalytic converter       |  |
| Exhaust clamp and bracket |  |
| Exhaust flange gasket     |  |
| Exhaust gasket            |  |
| Exhaust manifold          |  |
| Exhaust manifold gasket   |  |
| Exhaust pipe              |  |
| Heat shield               |  |
| Heat sleeving and tape    |  |
| Resonator                 |  |
| Muffler (Silencer)        |  |
| Spacer ring               |  |

|  |   |  |
|--|---|--|
|  | <b>Fuel supply system</b>                     |  |
|  | Air filter                                    |  |
|  | Carburetor                                    |  |
|  | Carburetor parts                              |  |
|  | Choke cable                                   |  |
|  | EGR valve                                     |  |
|  | Fuel cap                                      |  |
|  | Fuel cell                                     |  |
|  | Fuel cell component                           |  |
|  | Fuel cooler                                   |  |
|  | Fuel distributor                              |  |
|  | Fuel filter                                   |  |
|  | Fuel filter seal                              |  |
|  | Fuel injector                                 |  |
|  | Fuel injector nozzle                          |  |
|  | Fuel line                                     |  |
|  | Fuel pump                                     |  |
|  | Fuel pump gasket                              |  |
|  | Fuel pressure regulator                       |  |
|  | Fuel rail                                     |  |
|  | Fuel tank                                     |  |
|  | Fuel tank cover                               |  |
|  | Fuel water separator                          |  |
|  | Intake manifold                               |  |
|  | Intake manifold gasket                        |  |
|  | LPG (Liquefied petroleum gas) system assembly |  |
|  | Throttle body                                 |  |
|  | Suspension and steering systems               |  |
|  | Axle  |  |
|  | Camber arm                                    |  |
|  | Control arm                                   |  |
|  | Beam axle                                     |  |
|  | Idler arm                                     |  |
|  | Kingpin                                       |  |
|  | Lateral link                                  |  |
|  | Pan-hard rod                                  |  |
|  | Pit-man arm                                   |  |
|  | Power steering assembly and component         |  |
|  | Rack end                                      |  |
|  | Shock absorber                                |  |
|  | Spindle                                       |  |

|  |  |
|--|--|
| Spring   |  |
| Air spring   |  |
| Coil spring  |  |
| Leaf and parabolic leaf spring   |  |
| Ball joint   |  |
| Rubber spring  |  |
| Spiral spring  |  |
| Stabilizer bars and link   |  |
| Steering arm   |  |
| Steering box   |  |
| Steering column assembly   |  |
| Steering rack (a form of steering gear; see also rack and pinion and recirculating ball) |  |
| Steering shaft   |  |
| Steering wheel (driving wheel)   |  |
| Strut  |  |
| Stub axle  |  |
| Suspension link and bolt   |  |
| Sway bar link  |  |
| Tie bar  |  |
| Tie rod  |  |
| Tie rod end  |  |
| Track Bar  |  |
| Toe link   |  |
| Trailing arm   |  |
| Transmission system  |  |
| Adjustable pedal   |  |
| Axle shaft   |  |
| Bell housing   |  |
| Universal joint  |  |
| Other belts  |  |
| Carrier assembly   |  |
| Chain wheel and sprocket   |  |
| Clutch assembly  |  |
| Clutch cable   |  |
| Clutch disk  |  |
| Clutch fan   |  |
| Clutch fork  |  |
| Clutch hose  |  |
| Clutch lever   |  |
| Clutch lining  |  |

|   |  |
|---|--|
| Clutch pedal  |  |
| Clutch pressure plate   |  |
| Clutch shoe   |  |
| Clutch spring   |  |
| Differential  |  |
| Differential case   |  |
| Pinion bearing  |  |
| Differential clutch   |  |
| Spider gears  |  |
| Differential casing   |  |
| Differential flange   |  |
| Differential gear   |  |
| Differential seal   |  |
| Flywheel  |  |
| Flywheel ring gear  |  |
| Gear  |  |
| Gear coupling   |  |
| Gear pump   |  |
| Gear ring   |  |
| Gear stick (gear-stick, gear lever, selection lever, shift stick, gear shifter) |  |
| Gearbox   |  |
| Idler gear  |  |
| Knuckle   |  |
| Master cylinder   |  |
| Output shaft  |  |
| Pinion  |  |
| Planetary gear set  |  |
| Prop shaft (drive shaft, propeller shaft)                                       |  |
| Shift cable   |  |
| Shift fork  |  |
| Shift knob  |  |
| Shift lever   |  |
| Slave cylinder  |  |
| Speed reducer   |  |
| Speedometer gear  |  |
| Steering gear   |  |
| Torque converter  |  |
| Trans-axle housing  |  |
| Transfer case   |  |
| Transmission gear   |  |

|   |                                     |  |
|---|-------------------------------------|--|
|   | Transmission pan                    |  |
|   | Transmission seal and bonded piston |  |
|   | Transmission spring                 |  |
|   | Transmission yoke                   |  |
| 5 | <b>Miscellaneous auto parts</b>     |  |
|   | Universal joint (UJ, card-an joint) |  |
|   | Bearings                            |  |
|   | Grooved ball bearing                |  |
|   | Needle bearing                      |  |
|   | Roller bearing                      |  |
|   | Sleeve bearing                      |  |
|   | wheel bearing                       |  |
|   | Mirror                              |  |
|   | Horn                                |  |
|   | Sun visor                           |  |

## SECTION VIII - STANDARD FORMS

### Notes on the Sample Forms

- 1 *Form of Tender-* The form of tender must be completed by the tenderer and submitted with the tender documents. It must also be duly signed by duly authorized representatives of the tenderer.
- 2 *Confidential Business Questionnaire Form -* This form must be completed by the tenderer and submitted with the tender documents.
- 3 *Tender Security Form-* When required by the tender documents the tender shall provide the tender security either in the form included herein or in another format acceptable to the procuring entity.
- 4 *Contract Form-* The Contract Form shall not be completed by the tenderer at the time of submitting the tender. The Contract Form shall be completed after contract award and should incorporate the accepted contract price.
- 5 *Performance Security Form-* The performance security form should not be completed by the tenderers at the time of tender preparation. Only the successful tenderer will be required to provide performance security in the form provided herein or in another form acceptable to the procuring entity.
- 6 *Bank Guarantee for Advance Payment Form-* When Advance payment is requested for by the successful bidder and agreed by the procuring entity, this form must be completed fully and duly signed by the authorized officials of the bank.
- 7 *Manufacturers Authorization Form-* When required by the tender documents this form must be completed and submitted with the tender documents. This form will be completed by the manufacturer of the goods where the tenderer is an agent.

**8.1 FORM OF TENDER**

Date \_\_\_\_\_  
Tender No. \_\_\_\_\_

To: KENYA REVENUE AUTHORITY  
P. O. BOX 48240 – 00100 NAIROBI.

Gentlemen and/or Ladies:

1. Having examined the tender documents including Addenda Nos. .... *[insert numbers]*.the receipt of which is hereby duly acknowledged, we, the undersigned, **Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract** (*Insert item description*) in conformity with the said tender documents for the sum of ..... (*total tender amount in words and figures*) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

2. We undertake, if our Tender is accepted, .....(*Insert Tender name*) in accordance with the delivery schedule specified in the Schedule of Requirements.

3. If our Tender is accepted, we will obtain the guarantee of a bank in a sum of equivalent to \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract , in the form prescribed by .....(*Procuring entity*).

4. We agree to abide by this Tender for a period of ..... *[number]* days from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. This Tender, together with your written acceptance thereof and your notification of award, shall constitute a Contract, between us. Subject to signing of the Contract by the parties.

6. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20

\_\_\_\_\_  
[signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign tender for an on behalf of \_\_\_\_\_



# KENYA REVENUE AUTHORITY

## 8.2 CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

You are requested to give the particulars indicated in Part 1; either Part 2(a), 2(b) or 2 (c) whichever applied to your type of business; and Part 3.

*You are advised that it is a serious offence to give false information on this form.*

| <b>Part 1 – General</b>             |  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
|-------------------------------------|--|--------------------|----------------------------|--------------------|----------------------------|---------------|---|-------|-------|-------|-------|---|-------|-------|-------|-------|---|-------|-------|-------|-------|
| 1.1                                 | Business Name<br>.....<br>.....  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1.2                                 | Location of Business Premises.<br>.....  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1.3                                 | Plot No..... Street/Road<br>.....<br>Postal Address .....<br>Tel No. .... Fax .....<br>E mail .....  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1.4                                 | Nature of Business .....<br>.....  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1.5                                 | Registration Certificate No.<br>.....<br>.....   |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1.6                                 | Maximum Value of Business which you can handle at any one time – Kshs.<br>.....  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1.7                                 | Name of your Bankers ..... Branch<br>.....   |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| <b>Part 2 (a) – Sole Proprietor</b> |  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 2a.1                                | Your Name in Full ..... Age<br>.....   |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 2a.2                                | Nationality ..... Country of Origin<br>.....<br>Citizenship Details .....  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| <b>Part 2 (b) Partnership</b>       |  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 2b.1                                | Given details of Partners as follows:  |                    |                            |                    |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 2b.2                                | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 5%;"></th> <th style="text-align: left; width: 35%;"><u>Name</u></th> <th style="text-align: left; width: 30%;"><u>Nationality</u></th> <th style="text-align: left; width: 20%;"><u>Citizenship Details</u></th> <th style="text-align: left; width: 10%;"><u>Shares</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">2</td> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">3</td> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> </tbody> </table> |                    | <u>Name</u>                | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u> | 1 | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ..... | ..... | 3 | ..... | ..... | ..... | ..... |
|                                     | <u>Name</u>  | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u>      |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 1                                   | .....  | .....              | .....                      | .....              |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 2                                   | .....  | .....              | .....                      | .....              |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |
| 3                                   | .....  | .....              | .....                      | .....              |                            |               |   |       |       |       |       |   |       |       |       |       |   |       |       |       |       |



4.....  
.....

**Part 2 (c) – Registered Company**

2c.1 Private or Public  
.....  
.....

2c.2 State the Nominal and Issued Capital of Company-  
Nominal Kshs. ....  
Issued Kshs. ....

2c.3 Given details of all Directors as follows

| <u>Name</u> | <u>Nationality</u> | <u>Citizenship Details</u> | <u>Shares</u> |
|-------------|--------------------|----------------------------|---------------|
| 1.....      | .....              | .....                      | .....         |
| 2.....      | .....              | .....                      | .....         |
| 3.....      | .....              | .....                      | .....         |
| 4.....      | .....              | .....                      | .....         |
| 5.....      | .....              | .....                      | .....         |

**Part 3 – Eligibility Status**

3.1 Are you related to an Employee, Committee Member or Board Member of Kenya Revenue Authority? Yes \_\_\_\_\_ No \_\_\_\_\_

3.2 If answer in '3.1' is **YES** give the relationship.  
.....  
.....  
.....

3.3 Does an Employee, Committee Member, Board Member of Kenya Revenue Authority sit in the Board of Directors or Management of your Organization, Subsidiaries or Joint Ventures? Yes \_\_\_\_\_ No \_\_\_\_\_

3.4 If answer in '3.3' above is **YES** give details.  
.....  
.....  
.....  
.....

3.5 Has your Organization, Subsidiary Joint Venture or Sub-contractor been involved in the past directly or indirectly with a firm or any of its affiliates that have been engaged by Kenya Revenue Authority to provide consulting services for preparation of design, specifications and other documents to be used for procurement of the goods under this invitation? Yes \_\_\_\_\_ No \_\_\_\_\_

3.6 If answer in '3.5' above is **YES** give details.  
.....  
.....  
.....  
.....  
.....

3.7 Are you under a declaration of ineligibility for corrupt and fraudulent practices?  
YES \_\_\_\_\_ No \_\_\_\_\_

3.8 If answer in '3.7' above is **YES** give details:  
.....  
.....  
.....  
.....  
.....

3.9 Have you offered or given anything of value to influence the procurement process? Yes  
\_\_\_\_\_ No \_\_\_\_\_

3.10 If answer in '3.9' above is **YES** give details  
.....  
.....  
.....  
.....  
.....

I DECLARE that the information given on this form is correct to the best of my knowledge and belief.

Date ..... Signature of Candidate  
.....

If a Kenya Citizen, indicate under "Citizenship Details" whether by Birth, Naturalization or registration.

### 8.3 TENDER SECURITY FORM

Whereas ..... [name of the tenderer]  
(hereinafter called "the tenderer") has submitted its tender dated ..... [date of submission of tender] for the **Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract** (hereinafter called "the Tender") ..... KNOW ALL PEOPLE by these presents that WE ..... of ..... having our registered office at ..... (hereinafter called "the Bank"), are bound unto ..... [name of Procuring entity] (hereinafter called "the Procuring entity") in the sum of ..... for which payment well and truly to be made to the said Procuring entity, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_.

THE CONDITIONS of this obligation are:-

1. If the tenderer withdraws its Tender during the period of tender validity specified by the tenderer on the Tender Form; or
2. If the tenderer, having been notified of the acceptance of its Tender by the Procuring entity during the period of tender validity:
  - (a) fails or refuses to execute the Contract Form, if required; or
  - (b) fails or refuses to furnish the performance security in accordance with the Instructions to tenderers;

We undertake to pay to the Procuring entity up to the above amount upon receipt of its first written demand, without the Procuring entity having to substantiate its demand, provided that in its demand the Procuring entity will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This tender guarantee will remain in force up to and including thirty (30) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
[signature of the bank]

(Amend accordingly if provided by Insurance Company)

## 8.4 CONTRACT FORM

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ 20  
between KRA of Kenya [*country of*] (hereinafter called “the Procuring entity”) of the one part and  
..... [*name of tenderer*] of ..... [*city and country of tenderer*]  
(hereinafter called “the tenderer”) of the other part;

WHEREAS the Procuring entity invited tenders **Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract** and has accepted a tender by the tenderer for the in the sum of  
..... [*contract price in words and figures*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:
2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz:
  - (a) the Tender Form and the Price Schedule submitted by the tenderer
  - (b) the Schedule of Requirements
  - (c) the Technical Specifications
  - (d) the General Conditions of Contract
  - (e) the Special Conditions of contract; and
  - (f) the Procuring entity’s Notification of Award
3. In consideration of the payments to be made by the Procuring entity to the tenderer as hereinafter mentioned, the tender hereby covenants with the Procuring entity to provide the goods and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring entity hereby covenants to pay the tenderer in consideration of the provisions of the goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring entity

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the tenderer in the presence of \_\_\_\_\_

*(Amend accordingly if provided by Insurance Company)*

**8.5 PERFORMANCE SECURITY FORM**

To Kenya Revenue Authority

WHEREAS ..... [*name of tenderer*] (hereinafter called “the tenderer”) has undertaken , in pursuance of Contract No. \_\_\_\_\_ [*reference number of the contract*] dated \_\_\_\_\_ 20 \_\_\_\_\_ to **Provision of Maintenance and Repair Services for KRA Motor Vehicle and Motorcycle- Two (2) Years Framework Contract** [*description of goods*] (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the tenderer shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Tenderer’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the tenderer a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the tenderer, up to a total of ..... [*amount of the guarantee in words and figure*] and we undertake to pay you, upon your first written demand declaring the tenderer to be in default under the Contract and without cavil or argument, any sum or sums within the limits of ..... [*amount of guarantee*] as aforesaid, without you needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_ 20

Signed and seal of the Guarantors

\_\_\_\_\_  
[*name of bank or financial institution*]

\_\_\_\_\_  
[*address*]

\_\_\_\_\_  
[*date*]

**8.6 BANK GUARANTEE FOR ADVANCE PAYMENT FORM**

To Kenya Revenue Authority

*[name of tender]* .....

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends the General Conditions of Contract to provide for advance payment, ..... *[name and address of tenderer]*(hereinafter called “the tenderer”) shall deposit with the Procuring entity a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of ..... *[amount of guarantee in figures and words]*.

We, the ..... *[bank or financial institutions]*, as instructed by the tenderer, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring entity on its first demand without whatsoever right of objection on our part and without its first claim to the tenderer, in the amount not exceeding ..... *[amount of guarantee in figures and words]*

We further agree that no change or addition to or other modification of the terms of the Contract to be performed there-under or of any of the Contract documents which may be made between the Procuring entity and the tenderer, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid in full effect from the date of the advance payment received by the tenderer under the Contract until ..... *[date]*.

Yours truly,

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*

\_\_\_\_\_  
*[date]*

**8.7 MANUFACTURER'S AUTHORIZATION FORM**

To Kenya Revenue Authority

WHEREAS ..... [name of the manufacturer] who are established and reputable manufacturers of ..... [name and/or description of the goods] having factories at ..... [address of factory] do hereby authorize ..... [name and address of Agent] to submit a tender, and subsequently negotiate and sign the Contract with you against tender No. .... [reference of the Tender] for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Tenders.

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*[signature for and on behalf of manufacturer]*

*Note:* This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent.

## 8.8 LETTER OF NOTIFICATION OF AWARD

**Kenya Revenue Authority  
P.O Box 48240 – 00100,  
Nairobi,.**

To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RE: Tender No. \_\_\_\_\_

Tender Name \_\_\_\_\_

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

\_\_\_\_\_  
\_\_\_\_\_

1. Please acknowledge receipt of this Letter of Notification signifying your Acceptance.
2. The Contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.
3. You may contact the officer(s) whose particulars appear below on the subject matter of this Letter of Notification of Award.

Deputy commissioner,  
Supply Chain Management,  
Haile Selassie Avenue, Times Tower, 25<sup>th</sup> Floor  
Telephone: +254-020-2817022  
Facsimile: +254-020-215809

FOR: **Commissioner General**