



# **Mahindra**

**Owner's Manual**

**Mahindra Bolero Single Cab Turbo / Double Cab Turbo - LHD**

ISSUED: JANUARY 2006

MAHINDRA & MAHINDRA LTD.  
GATEWAY BUILDING, APOLLO BUNDER,  
MUMBAI 400039, INDIA

## Foreword

Thank you for buying a MAHINDRA vehicle. We trust it meets your expectations & will provide you with years of enjoyable motoring. This OWNER'S MANUAL has been prepared for the reference of the Owner & it is hoped that this will enable him to acquire working knowledge of MAHINDRA BOLERO SINGLE CAB TURBO / DOUBLE CAB TURBO.

Contents include vehicle specifications, driving notes & maintenance schedule.

Owners are advised to get all the repairs & maintenance work, done by our Authorised Dealers. They are also advised to use genuine Mahindra Parts manufactured to original specifications.

Every reasonable effort has been made to ensure that this booklet is accurate / up to date. The procedures, specifications, dimensions referred to are subject to change in accordance with the Company's policy of constant product improvements. Please contact nearest Authorized Service Dealer, Mahindra Authorised Service Centre for free inspection services during warranty & thereafter for periodical vehicle maintenance & repairs.

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## Manufacturer's Warranty

**MAHINDRA & MAHINDRA LTD,**  
GATEWAY BUILDING, APOLLO BUNDER,  
MUMBAI 400 039, INDIA warrants to retail purchaser of the Motor Vehicle branded as 'Mahindra Bolero SC Turbo / DC Turbo' (hereinafter referred to as 'vehicle') to be free from defects in material and workmanship under normal use as instructed in the Owner's Manual and Service, under the warranty, Company's Authorised Dealer will repair or replace any part thereof, including all equipments or trade limited to trade accessories (except those governed by special warranty policy stipulated by respective manufacturers, like tyres and batteries etc.) originally supplied by us subject to all other terms and conditions specified herein below found to be defective in materials or workmanship in Company/ Dealer opinion within 24 months or before such vehicle has been driven 50,000 kms. from the date of delivery of the Vehicle to the retail customer (the original Purchaser), whichever occurs earlier. For the purpose of this warranty, the Term 'Product' means and includes only new

vehicles manufactured by the Company and/or sold by the Company's Authorised Dealers.

This warranty is limited to the delivery to the purchaser, free at the Authorised Dealer's workshop or at any other place at the discretion of the Company, of the part or parts whether new or repaired, in exchange for those acknowledged by the Dealer to be defective and endorse by the Company to that effect. The parts so repaired or replaced shall also be warranted for quality and workmanship but such warranty shall be co-terminus with this warranty.

This warranty shall not apply to and Company shall in no way be liable to for any vehicle which shall have been repaired outside an Authorised Company's Service Station or which has been altered or modified or built upon in any way or which has been subjected to misuse, negligence or accident.

This Warranty is in lieu of all other Warranties express or implied, and no person, agent or representative of the Company is authorised to give any other

warranties on the Company's behalf or to assume for it any other liability in connection, with the vehicle.

The Company's responsibility is limited to the terms of this Warranty and it shall not be answerable for personal injuries or consequential or resulting liability, damage or loss arising from any defects. The Company's Liability under this Warranty is dependent upon the strict observance by the Purchaser, of the following provisions:

- a) The purchaser shall take Pre-Delivery Inspection,
- b) All the paid services are mandatory to be carried out as per the stipulated maintenance period Kilometers/month in service till the full completion of the warranty period at any of Mahindra authorised service outlets to avail the warranty benefits.
- c) Repairs or replacements will be performed by the Authorised Dealer of the Company, subject to the reporting of the vehicle to the nearest Authorised Dealer's workshop.

- d) We further reserve the right, at anytime or times, without notice, to revise, modify, discontinue or change any of the models of our vehicles or any part thereof and neither company nor the seller with incur any liability or obligations to the purchaser by reasons or any revisions, modifications, discontinuation or changes.
- e) The Purchaser shall at all times in the operation of vehicle use only those brands of lubricating oils, lubricants or fuel, as recommended by the Company.
- f) The judgement of the Company or its Authorised Dealers in all cases of claims shall be final and conclusive and the purchaser agrees to accept its decision on all questions as to defects and to the exchange of part of parts. The replaced parts shall be the property of the Company.
- g) Company reserves the right at any time or times without notice to revise, modify, discontinue or change any of the models of our vehicles or any part or parts thereof and neither Company nor the Dealer will incur any liability

or obligation to the Purchaser by the reason of any revision, modification, discontinuance or change whatsoever.

**h) Claims arising from this Warranty will be recognised only if they are ascertained / confirmed by the Authorised Dealer and notified to the Company without delay, after the defect has been ascertained.**

Certain limitations wherein the Warranty does not apply are listed below:

- a) If repairs is required because of the following reasons:
  - i) The Vehicle is not operated / used as per the recommendation in the Owner's Manual, or;
  - ii) The Vehicle is subjected to accidents, or theft or fire;
  - iii) The vehicle is subjected to abnormal use such as racing, rallying or participation in any other sports competitions.
- b) Appearance Items:
 

Any slight imperfections in paint, chrome and trim and other decorative parts, deterioration of exterior item,

trim and other decorative part due to normal exposure or use is not covered under the terms of Warranty.

- c) Door and windshield glass breakage and fused bulbs are not covered under Warranty.
- d) Normal Maintenance Service
 

Replacement Items: Filters, Brake or clutch linings, wiper blades, Belts, Cables, Spring Bushings, U-Joints Cross, Water Pump kits, Tie Rod Ends, Bell-crank Kit, Hoses, Wheel and Master Cyl. Kits and bulbs, Spark plugs, Condenser. Please note that this list is neither exclusive nor exhaustive and the decision of the Company shall be final in this regard.
- e) Propriety Items

will assist purchaser in taking up the complaint with the respective manufacturers and their decision on the warranty will be final.

The following are propriety items and warranty is provided by the respective Manufacturers under their warranty terms. Any complaint on the following items, are to be referred to the respective manufacturers of

these items / or their authorised local agents for warranty claim / repairs / replacements. In case of difficulty Company's dealer will assist purchaser to conclude the complaint satisfactorily. Their decision will be final on warranty.

- 1 - Tyres
- 2 - Fuel Injection Pump
- 3 - Battery

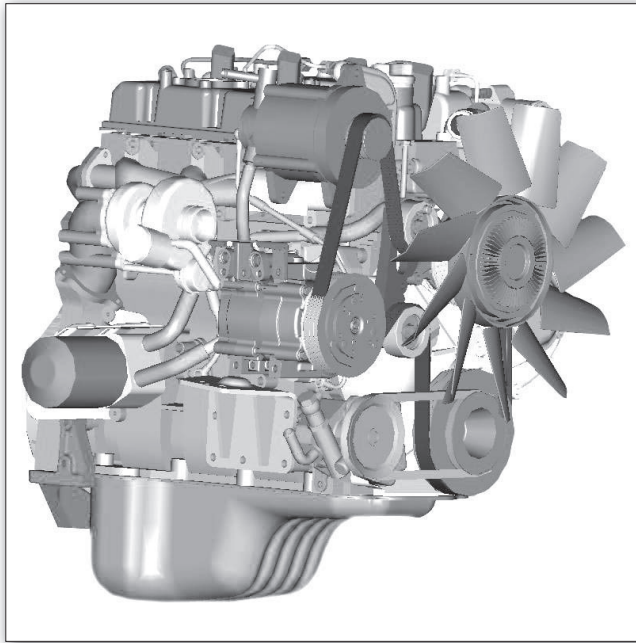
- f) Company makes no Warranty nor assume any liability in respect of any defect in metal or other material in any part, device of trade accessories which would not have been discovered by ordinary factory inspection.
- g) Repairs required due to following reasons:
  - i) Due to unauthorised modification to the Vehicle which in any way affects the stability or reliability of the components of the basic vehicle.
  - ii) Continued usage in spite of awareness of defect.the componentsof the basicvehicle.
  - iii) Excess / heavy load beyond the carrying capacity of the vehicle affecting the basic structure of the

Vehicle.

The above Warranty is in lieu of all other Warranties, express or implied and no person, agent or representative of the Company is authorised to give any other Warranties on the company's behalf or to assure for it any other liability in connection, with the vehicle.

## Engine Specification

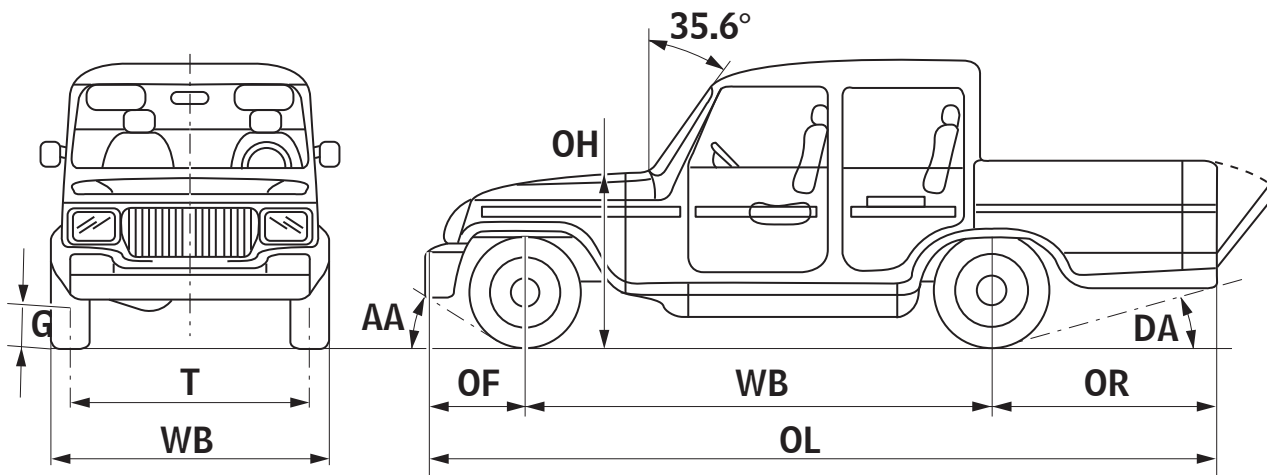
**NEF TCI 2.5L ENGINE**



Cylinder block	Cast Iron
Cylinder Liner	Wet replaceable
Crank Shaft	Forged Steel, 5 Bearing journal
Connecting rods	Forged Steel
Main bearings	Aluminium tin Si
Pistons	Aluminium
Cylinder Head	Cast Iron
Camshaft	Chilled casting, 3 Bearing
Turbo Charger	Model K03-2070, Make: TEL
Valves	Overhead, Rocker Arm operated
Timing	Chain timing
Lubrication	Pressure lubrication
Cooling	By water
Bore	94 mm
Stroke	90 mm
Cubic capacity ( cc )	2498
Compression ratio	18.5:1
Operating cycle	4stroke (order 1-3-4-2)
Cylinders	In line arrangement
Max Power	100 HP or 74 ± 2 KW @ 3800 RPM
Max Torque	235 N-m @ 1700 -1900 RPM
Weight of the engine	310 Kg with flywheel & Starter

## Vehicle Specification Bolero DC Turbo

### Dimensions:





Dimensions	mm	Inch.
Wheel base (WB)	3014	118.6
Overall length (OL)	4924	193.8
Overall Height (OH)	1885	74.2
Overall Cargo box size 146 x 153 x 73 cm		
Tread - Front (T)	1450	57.0
Tread - Rear (R)	1335	52.5
Ground Clearance (G)	200	7.87
Overhang Front (OF)	590	23.2
Overhang Rear (OR)	1320	51.9
Approach Angle (AA)	41°5'	41°5'
Departure Angle (DA)	150	
Overall Width	1815	71.45

#### Weights:

ITEM	4WD	2WD
Kerb weight (Kg)	1975	1875
GVW (Kg)	2800	2800
Front Axle Capacity (Kg)	1000	1000
Rear Axle capacity (Kg)	2000	2000
Seating Capacity (Nos) (Including driver)	1 + 4	1 + 4

#### Drive line

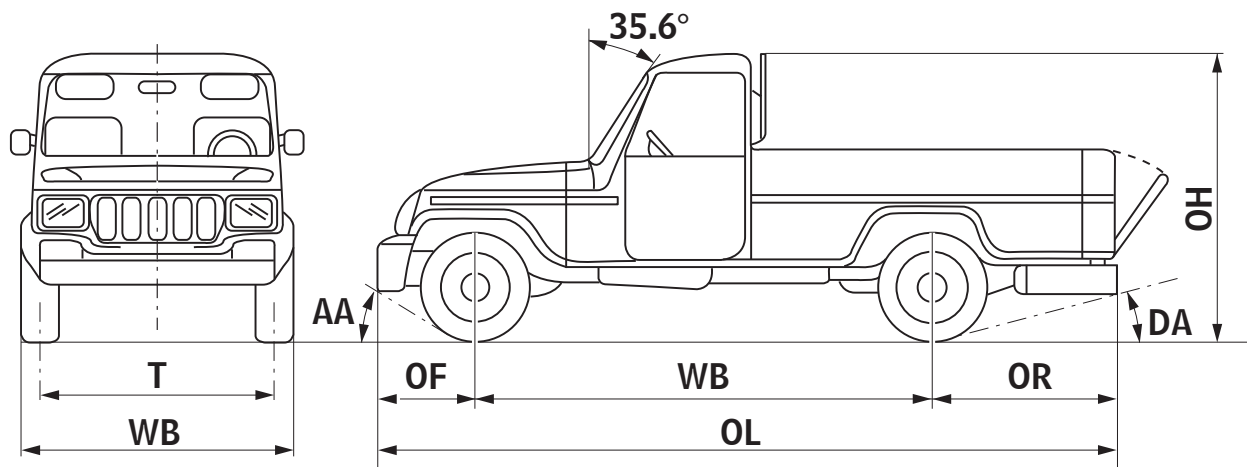
ITEM	
Transmission NGT 530	GEAR RATIO
1st	3.78: 1
2nd	2.24: 1
3rd	1.43: 1
4th	1.00: 1
5th	0.79: 1
Reverse	3.52: 1
Transfer Gear ratio:	High 1: 1
	Low 2.48: 1
Axle ratio	4.55: 1

#### Note:

*Specification subject to change without prior notice.*

## Vehicle Specification Bolero Single Cab Turbo

### Dimensions:



Dimensions	mm	Inch.
Wheel base (WB)	3014	118.6
Overall length (OL)	4924	193.8
Overall Height (OH)	1885	74.2
Overall Cargo box size 226 X 153 X 73 cm.		
Tread - Front (T)	1450	57.0
Tread - Rear (B) (T)	1335	52.5
Ground Clearance (G)	200	7.87
Overhang Front (OF)	590	23.2
Overhang Rear (OR)	1320	51.9
Approach Angle (AA)	4103'	4103'
Departure Angle (DA)	15°	
Overall Width	1875	71.45

#### Weights:

ITEM	4WD	2WD
Kerb weight ( Kg )	1875	1775
GVW ( Kg )	2800	2800
Front Axle Capacity ( Kg )	1000	1000
Rear Axle capacity ( Kg )	2000	2000
Seating Capacity ( Nos ) (Including driver)	3, Opt. 2	3, Opt. 2

#### Drive line

ITEM	
Transmission NGT 530	GEAR RATIO
1st	3.78: 1
2nd	2.24: 1
3rd	1.43: 1
4th	1.00: 1
5th	0.79: 1
Reverse	3.52: 1
Transfer Gear Ratio:	High 1:1
	Low 2.48: 1
Axle Ratio	4.55

#### Note:

*Specification subject to change without prior notice.*

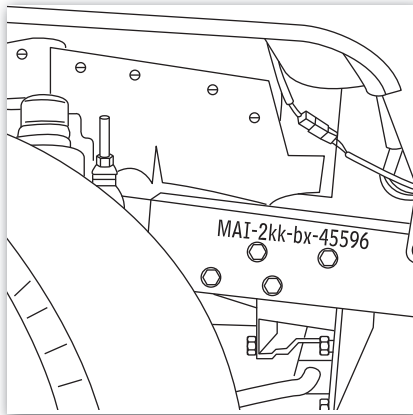
## Model Features Table

DESCRIPTION	MAHINDRA BOLERO SINGLE CAB TURBO / DOUBLE CAB TURBO
ENGINE	NEF TCI 2.5 Litres
TRANSMISSION	NGT 530
AXLE RATIO	4.55: 1
STEERING	POWER
AIR CONDITIONING SYSTEM	HEAT COOL
CENTRAL LOCKING	YES
POWER WINDOW	OPTIONAL
TRANSFER CASE FOR 4WD	MANUAL SHIFT (STANDARD ) ELECTRIC SHIFT ( OPTIONAL )

## Identification of Serial Numbers

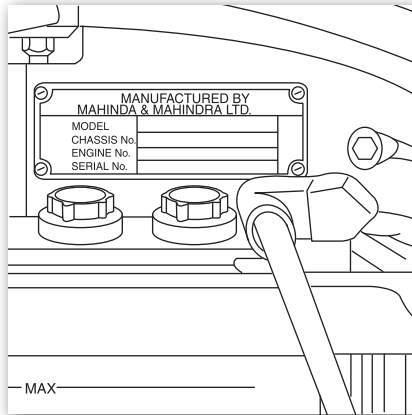
- **Chassis Number / VIN Number**

The Vehicle chassis number is stamped on the right side chassis member below the front fender. It is also stamped on the Name, Number & instruction plate located on the right side of the engine compartment for LHD vehicle & on left side of the engine compartment for RHD vehicle.



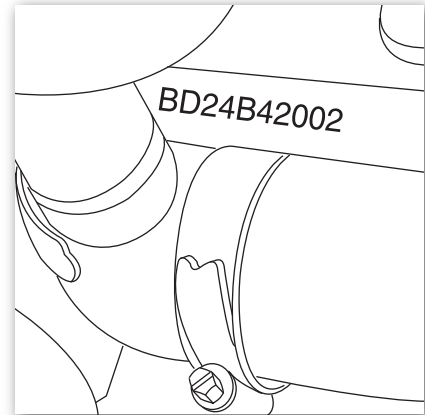
- **Vehicle Serial Number**

The vehicle serial number is stamped on the name, number & instruction plate fixed on the right side of the engine compartment for LHD vehicle & on left side of the engine compartment for RHD vehicle.



- **Engine Serial Number**

This number is punched on cylinder block on front pad (Near water pump).



## Instruments (With Digital Cluster)

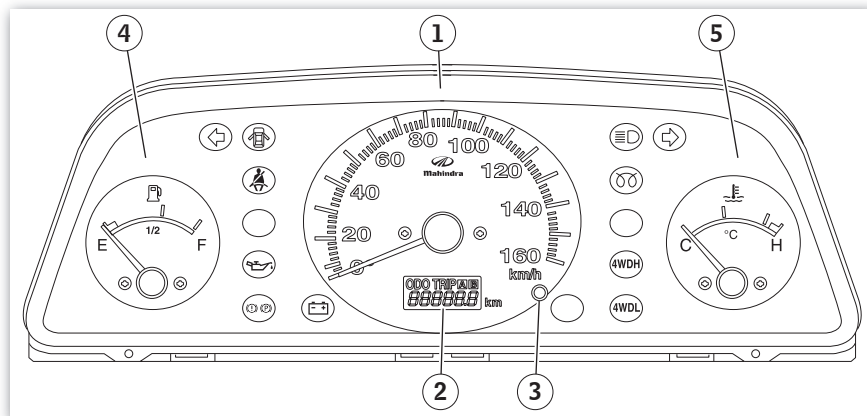
### Instruments

1. Speedometer
2. Odometer
3. Tripmeter/reset
4. Fuel Gauge
5. Temperature Gauge

### Indication & Warning lamps

1. Turn left/right
2. High beam

3. Oil Pressure
4. Glow plug
5. Charge (battery) low
6. Park brake & brake fluid level
7. 4WD H (four wheel drive high)
8. 4WD L (four wheel drive low)
9. Driver or co-driver door not closed.
10. Driver's seat belt not fastened.
11. Audible (7 seconds) for Driver's seat



### Instruments In Cluster

#### 1. Speedometer

This indicates the speed at which the vehicle is driven in km/hr.

#### 2. Odometer

The odometer indicates cumulative kilometers covered by the vehicle.

#### 3. Tripmeter & Reset knob

The tripmeter indicates the distance travelled during a particular trip or period. Press the reset knob to return the tripmeter indication to zero.

#### 4. Fuel Gauge

Indicates the approximate level of fuel in the tank. It indicates at E-Empty; 1/2 - Half, F - Full.

#### 5. Temperature Gauge

It indicates the operating temperature of the engine in °C so that you may guard against overheating.

## Instruments for Bolero SC Turbo / DC Turbo (With Digital Cluster)

### Speedometer/Odometer/Tripmeter

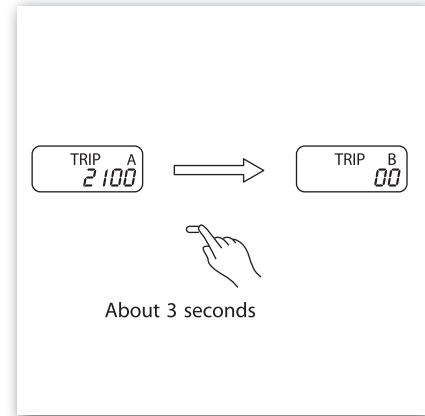
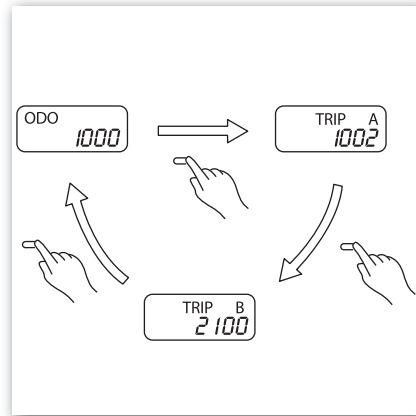
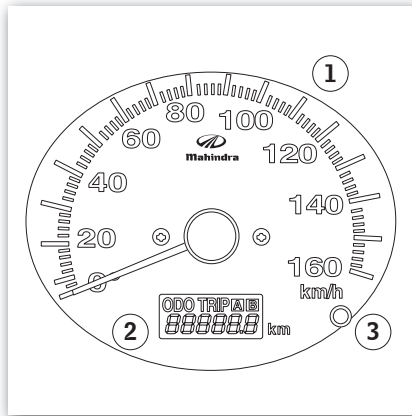
- 1 - Speedometer .
  - 2 - Odometer/Trip meter
  - 3 - Odometer/Trip meter selector knob
- The speedometer indicates vehicle speed in km/h. The odometer records the total distance the vehicle has been driven. The trip meter can be used to measure the distance travelled on short trips or between fuel stops.

When the ignition switch is turned to 'ON' the display shows the odometer or trip meter.

The display shows three types of indication; odometer, trip meter A and trip meter B. Push the selector knob quickly to switch the indication among the three.

You can use the two trip meters (A and B) independently.

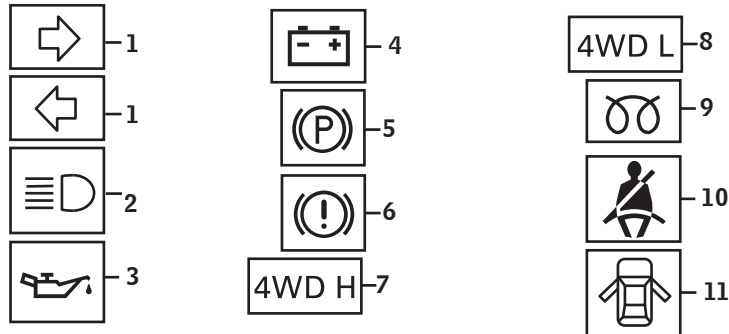
Push the selector knob for a little while (about 3 seconds) to reset the trip meter to zero.



## Indicators for SC & DC Turbo

### Indication in Instrument cluster

- 1 Indicator for Turn Signal  
When the lever is turned to required side, left or right side green lamp will light, to indicate the operation of the turn signal.
- 2 High Beam Indicator  
This blue lamp is lit when the high beam lights are in use.
- 3 Oil Pressure Indicator  
This red tell-tale lamp is lit when the starter switch is first turned on. It goes out after the engine is started. If the light does not go out, it indicates low oil pressure or Clogged Filter Cartridge & needs immediate investigation.
- 4 Battery Charge Indicator  
Normal functioning of the charging system is indicated when it comes on, when the ignition is 'ON' before cranking & must go off, when engine starts running. This red lamp comes ON when fault in charging system occurs during running of vehicle/engine.
- 5 Parking Brake  
This red indicator lamp lights 'ON', when parking brakes are applied.





- 6 Brake Oil Indicator  
This red indicator lamp lights on when brake fluid in the reservoir falls below minimum level.
- 7 4WDH  
This shows the transfer case is engaged for 4WD high. (Only for electric shift transfer case)
- 8 4WDL  
This shows the transfer case is engaged for 4WD low. (Only for electric shift transfer case)
- 9 Glow Plug Indicator (if applicable).  
This when 'ON' indicates that pre-heating is on. Do not crank the engine when glow plug is ON, to avoid excessive load on battery & ensure effective starting.
- 10 Driver Seat Belt  
If the driver has not fastened, the seat belt following indications will appear:  
(i) Audible chime for 7 seconds will sound. (ii) Tell-tale lamp in Red colour will continue to glow on instrument cluster. This will happen every time when the ignition is switched 'ON'.
- 11 Driver/Co-driver door open  
If either of these door is not closed, red lamp will glow till the door is closed.

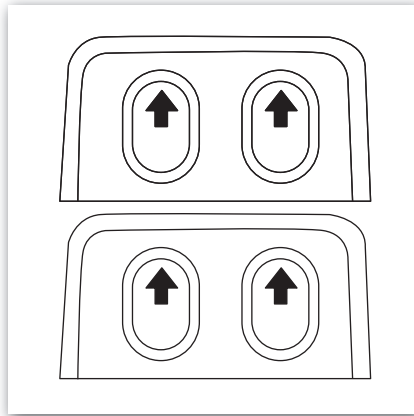
## Controls

power window switch



Press to close

Press to open



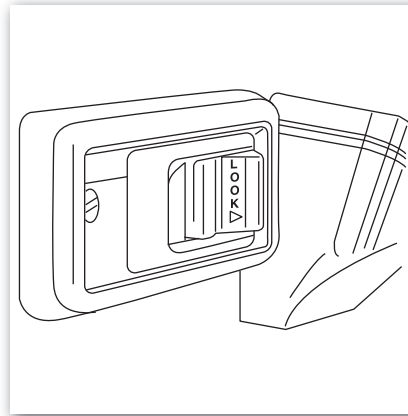
### 1. Power window controls (If

**applicable):** The power window can only be operated with the ignition switch in the 'ON' position.

(Do not operate the power windows frequently when engine is not running condition, otherwise battery will drain off.)

#### Front Control:

Instrument panel, switch panel has four switches of powerwindows for 4 doors.



The door window opens or closes while this switch is operated. Driver & front passenger can operate the windows from the switch panel switches.

#### Passenger's Control:

The middle seat passengers can operate their individual windows by the switches provided on rear door Armrests.

#### Warning:

While operating Power window controls make sure that head, hand, finger etc. do not obstruct window movement to avoid injury & damage.

### 2. Central Door Lock:

By locking or unlocking the driver's door using the inside lock knob, or using the key from outside all the doors can be simultaneously locked or unlocked. Front left door can be locked or unlocked from outside by using key.

### 3. Air Conditioning Controls

#### 1. Temp. control Switch:

It controls the temperature of cold air. As the knob is turned clockwise, the temperature is set to lower.

#### 2. Blower Switch:

Air flow can be controlled in three stages - low, medium, high.

### 4. Heater Switch

The knob is turned clockwise, the heater comes 'ON'.

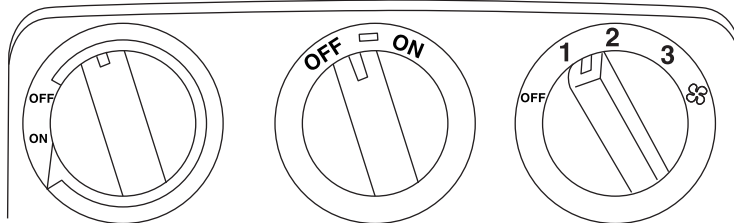
### 5. Lock & Unlock the Steering Wheel

#### To lock:

Remove the key at the 'Lock' position. Turn the steering wheel until it is locked.

#### To unlock:

Turn the key to the 'ACC' position while moving the steering wheel slightly.

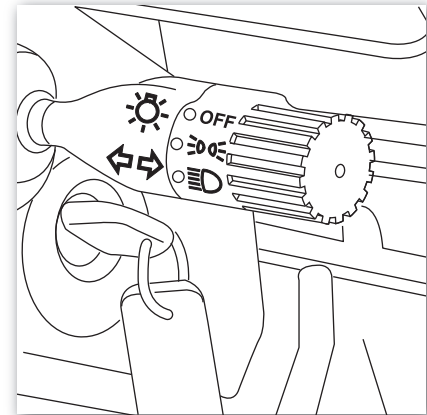


Temperature  
Control Switch

Heater  
Switch

Blower  
Switch

### Steering Lock



## Bonnet locking / unlocking

### To Open:

Pull the release lever located below the instrument panel on right side for RHD vehicle and on left side for LHD vehicle. Then pull open the lever below the bonnet and open the bonnet.

### To Close:

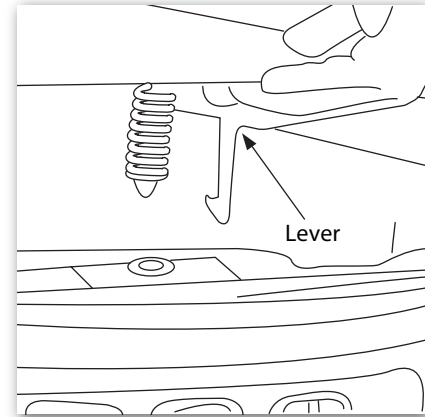
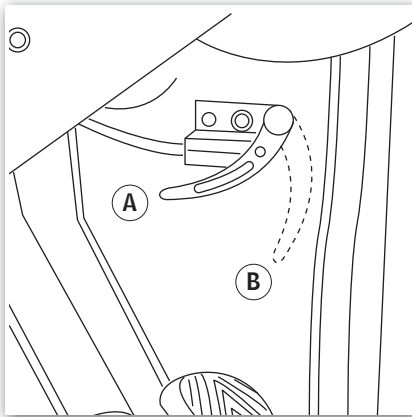
Just drop the bonnet gently and press it, if required.

### Opening and Closing the Bonnet:

1. Ensure that the vehicle is in neutral gear and set the parking brake. Pull the bonnet release lever to position B from A and release which is located under extreme LH corner of the instrument panel. This will release the bonnet lock and bonnet will pop up slightly.
2. Stand in front of the vehicle, lift the additional lock lever located under the bonnet centre with a finger and lift the bonnet up.

### Caution:

Make sure that the bonnet is fully closed and locked before driving.

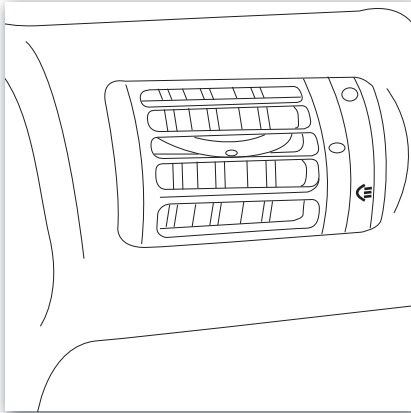


- **Centre & side vents**

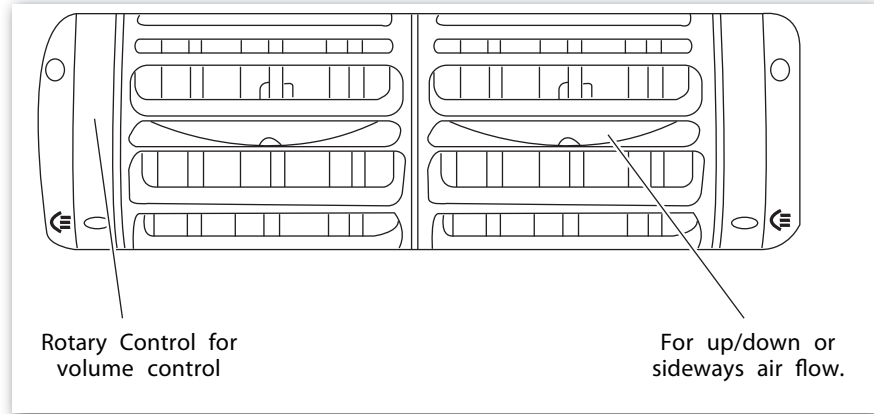
The airflow volume can be adjusted with the rotary controls at the sides.

The air vanes can be adjusted horizontally & vertically by swivelling the vents up / down or sideways.

Side Ventilation Louver



Central Ventilation Louver



## 7. Electric Shift 4WD:

Switch provided on instrument panel for 4WD shift. Guideline to use electric shift.

- a. The switch is at 2H position i.e. you are in 2WD mode.
- b. If you want to switch over to 4WD mode, just turn the knob of the switch into 4H position. Then after two seconds the indication lamp in the Instrument Cluster of 4H will glow (in green colour)
- c. For shifting from the 4WD High position to the 4WD low mode, stop the vehicle, depress the clutch pedal & turn the knob to 4L position. The 4WD lamp will blink for 6 seconds & will go off. Then the 4WD indication will turn ON.
- d. Now for shifting from 4wd low to 4wd high position turn to the knob of the switch from 4L to 4H with clutch pedal in the depressed position. The 4wd I lamp on the cluster will blink for 6 seconds & will turn off. Now you are in the 4 wheel drive high mode.

- e. For going back to 2 wheel drive mode turn to knob from the 4H position to 2H position & the 4WD H lamp will turn off. Now you are in 2 wheel drive mode.

## 8. Manual Shift 4WD:

- a. For shifting from 4H-N-4L & vice versa, stop the vehicle completely & then shift.
- b. ON-The-GO shift feature from 2H to 4H & vice versa is available. There is a slight delay in actual 4H engagement & disengagement after the selection, due to spring control mechanism of on-the-go shift.

## Steering Column Controls - Combination Switch

### Right lever - lights

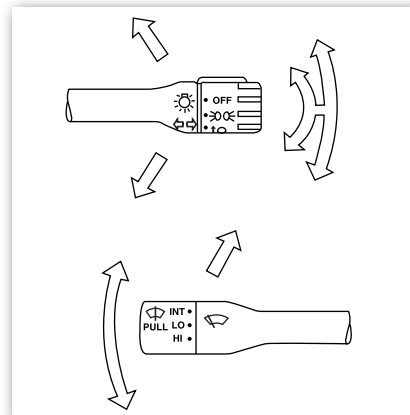
1. All lights 'OFF'
2. Front parking, Rear tail lights & Instrument lights 'ON'
3. Also headlights 'ON'
4. Lever down position - High beam
5. Lever up position 1 - Low beam
6. Lever up position 2 - Intermittent pass
7. Lever turned left - Left indicator
8. Lever turned right - Right indicator

### Left lever - wiper

1. Intermittent operation
2. Slow speed - Low
3. High speed - High
4. Windshield washer operation:  
If windshield washer is operated for more than 2 seconds, the wiping system will activate.

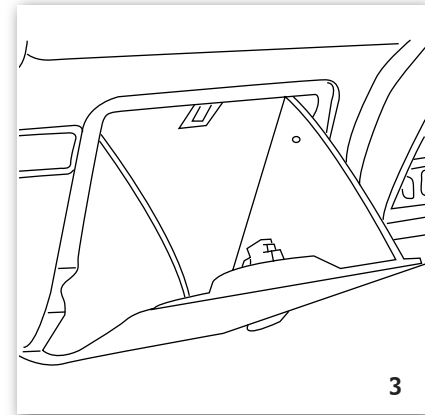
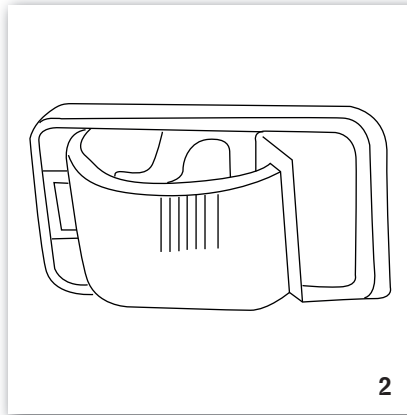
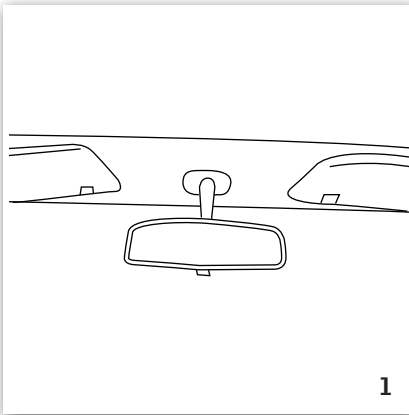
### Hazard Warning Switch

It is provided on the combination switch bottom side. All Turn signal lights will flash simultaneously to warn other road users about the hazardous condition of the vehicle.



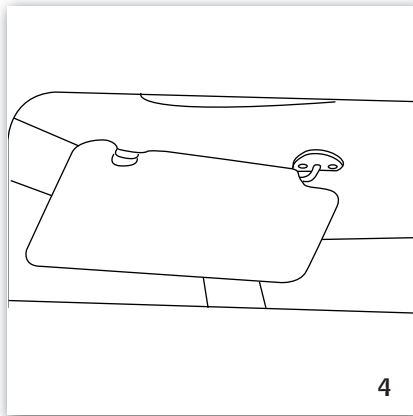
## Other Features

- 1. Antiglare Mirror:** (Inside rear view mirror) The knob at the bottom of the mirror can be used to adjust the mirror to reduce the glare from the headlight of vehicles behind you during night driving.
- 2. Ash tray:** Ash trays are located one on each side of instrument panel.
- 3. Glove Box:** Glove box is provided in instrument panel. It can be kept unlocked condition & can be opened by pressing the side knobs provided on lock.





**4. Sun-visors:** Sun-visors protect the eyes from bright light. They can be lowered, released from the retention clips and swivelled sideways towards the door.



**5. Smoking in the Vehicle:** Avoid smoking inside the vehicle. Smoking in the vehicle spoils the ambience and the interiors of the vehicle.

- Do not toss a cigarette out of the window. It may land on somebody or may result in a fire hazard. Ashtrays have been provided both in the front and the back for disposing ash and cigarette butts.
- Take care not to drop the cigarette on the seats. It may burn holes in the upholstery.

## Guidelines on Driving

Take the following friendly notes as a guideline for driving & enjoy the journey. Every normal precautions should be observed during driving the vehicle.

### Running - in

A new engine must be treated with care during the running in period. In particular, before the first free service, do not exceed vehicle speed over 60 km/h. for first 2000 kms.

### Hints to driver

- Ensure oil, collant, fuel, fluid levels and carry out other daily checks (e.g. tyre pressures, bulbs)
- Make sure that hand brake lever is moved to OFF position before moving.
- After completing the 'running - in' (approx. 2000 kms), operate in uniform speed as much as possible for getting improved fuel KMPL & to prevent potential failures.
- From time to time keep an eye on the gauges. If any abnormality is noticed, stop the vehicle for safety & check.
- Frequent eye on the dash board is essential to monitor the functioning of various systems.
- While parking in down gradient, engage the gear shift lever in reverse position with hand brake on.
- Do not add cold water to the hot engine (leads to crack in engine components).
- Be aware of the maintenance needs of the vehicle.
- Do not operate starter for more than 15 seconds at a time (give some time lapse before trying again).
- Filling the diesel tank at the end of each day will reduce water condensation in the tank.
- Avoid clutch pedal ride as it leads, to premature wear of clutch plates & consequently clutch slips.
- While washing, ensure water does not enter in to air cleaner or electrical parts.
- Familiarise with the hand tools.
- Familiarise with legal requirements governing the use of your vehicle.

## Starting & stopping engine

### Starting the Engine

- Apply the parking brake fully.
- Insert the key into the ignition switch and turn it into the IGN position.
- If the vehicle is equipped with glow plug, wait for preheat glow plug light in the instrument cluster to go OFF, during cold start. The engine may be started without waiting for preheat if the engine is warm.
- Ensure the gear lever is in neutral position. Crank the engine by turning the key to START position till the engine starts. If the engine doesnot start in the first attempt, wait for few seconds and try again.
- Let the engine run for at least 10 second before releasing the parking brake.
- Start driving



#### Warning:

Release the key immediately after the engine starts; otherwise this may cause serious damage to the starter assembly.



#### Warning:

Your vehicle is equipped with a turbo-charger. Idle the engine for a minute after starting and before stopping. Not doing so may lead to premature failure of the turbo-charger bearing.

### Starting in Cold Weather or at High Altitudes

To start the engine in cold conditions

- Turn off all accessories to reduce drain on the battery.
- Push the accelerator pedal halfway to the floor and hold it there while starting the engine.
- Do not crank the engine for more than 10 seconds at a time. When the engine starts, release the accelerator pedal gradually as the engine speeds up and smoothes out.

- If the engine still fails to start, push the accelerator to the floor and hold it there while you crank the engine. Do this for not more than 10 seconds at a time.

If you haven't driven the vehicle for several days, or if the climate is cold, warm up the engine by idling it for a few minutes before driving.

### Stopping the Engine

Bring the vehicle to a stop and allow the engine to idle. Turn the key to OFF position.

#### Caution

Abruptly stopping the engine after a long journey may damage the engine. Idle the engine for some time before switching it OFF.

### **Instructions for Driving in the Break-in Period**

You can assure that your vehicle's reliability and performance by paying extra attention to how you drive during the first 1,000 km. (600 miles). Follow these instructions during this period.

- After starting the engine, do not rev it up; Warm up gradually at idling speed.
- Do not drive over 100 km./hr.
- Avoid sudden acceleration and full throttle.

- Do not drive for a long time at a single speed; Either increase or decrease the speed at intervals. Do not drive slowly with the transmission in high gear.
- Avoid hard braking; New brakes need to be broken-in by moderate use for the first 300 km. (200 miles).

These recommendations should be followed when the engine is overhauled or when the brake pads / linings are replaced.

**1,000  
km.**

### Gear Shifting

- Vehicles are fitted with 5 speed synchromesh gear box & standard transfer case (in case of 4WD)
- On these vehicle, the gear positions are marked on the gear lever knob.

5 Speed Transmission with Transfer Case  
It gives a choice of 15 forward & 3 reverse power combinations with the addition of standard transfer case.

### NOTE:

*5 Speed transmission & Transfer case require separate lubrication for each unit as they have no cross over oil passage. At each Transmission service check, the filler plugs of transmission & transfer case should be removed the lubricant refilled to level if necessary.*

### Mud, Snow & Sand

Shift to 4WDH range first gear when traversing without load.

Do not shift into any lower gear than is necessary to maintain headway. Tyre pressure may be reduced by about 0.7 kg/cm<sup>2</sup> (10 psi), if additional floatation is required.

### Up hill

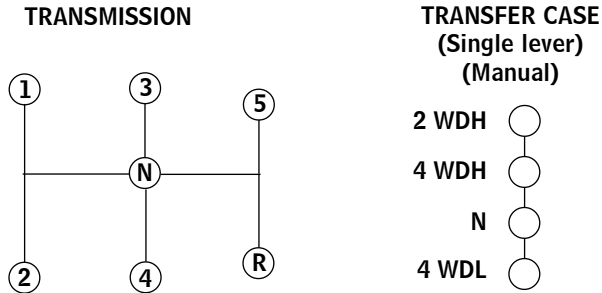
Shift to 4WDL range, second gear.

Drop down to first gear only when the steepness of the ascent requires the lower gear to maintain headway.

### Note

*Over-reving the engine will cause the wheels to start spinning & traction will be lost.*

### SHIFTING PATTERN



### Getting over the Hump

If the wheels start to slip with only a few feet of the ascent remaining, headway may be maintained by swinging the front wheels sharply left & right. This will provide a fresh 'bite' into the surface & will usually result in enough traction to complete the climb.

### Stall

If the vehicle stalls or loses headway when climbing a steep hill, make a fast shift to reverse or first gear. Do not depress the clutch. Engine compression will hold the vehicle on the hill. Do not try to back down with the clutch released & only the brakes holding the vehicle. By shifting to reverse, it is possible to start the engine without depressing clutch. Let the vehicle move backward with the starter. When engine starts, control the downward speed with the accelerator.

### Down hill

Shift to 4WD Low range, first gear. Do not use clutch & brakes. Now the vehicle can proceed safely down a grade slowly with all 4 wheels turning against engine compression.

### Caution

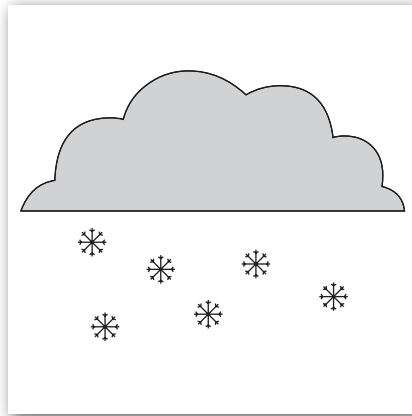
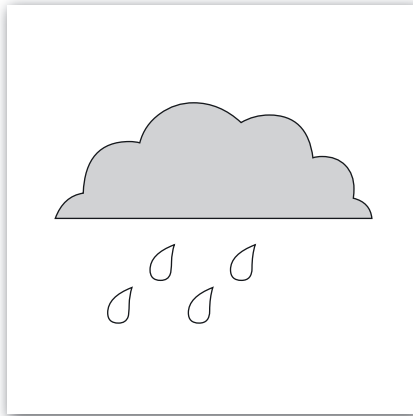
- As soon as the vehicle finishes, its traversing through the hubs in sand, mud or water, clean the brake drums from foreign abrasive materials sticking to it to avoid the wearing of brake linings.
- When negotiating across slopes or hill, choose as mild an angle as possible (keep moving & make turns quickly). Do not travel diagonally across a hill unless absolutely necessary.
- For normal driving on hard surfaced roads, 4WD should not be used.
- To relieve the build up of torsional stresses, due to prolonged use of 4WD on hard surface roads, simply drive the vehicle in reverse for several feet or drive off hard surface momentarily to allow tyres to slip.

## Driving Tips

### Driving in Wet Weather / Snowy Conditions

Wet weather or snow can be dangerous for driving. The following tips tell you how to avoid accidents in such conditions:

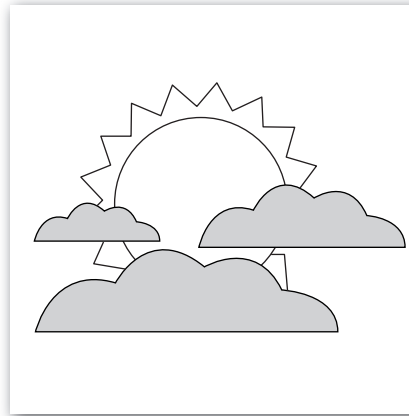
- Drive slowly: Low driving speed increases the surface of tyre tread in contact with the road and provides better traction.
- Maintain safe distances from other vehicles: Wet weather results in longer stopping (about four times that of normal stopping distance). So, it makes sense to keep a good distance from other vehicles, people and objects on your path.
- Maintain tyres: Tyres do not provide adequate traction once the tread wears below two thirds of the tread depth. Check tyres regularly and replace them at proper times. Maintain the recommended tyre pressure in the tyres at all times.
- While braking, accelerating or turning, avoid jerky and abrupt movements. Apply smooth, even pressure on all controls. Abrupt steering wheel movements or sudden, hard application of brakes can cause loss of control.



- Exercise extra caution while driving in rain after a long dry spell. After months of dry weather, the first rains bring grime to the surface of the roads, making it slippery.
- While driving on wet surfaces, downshift carefully. If the traction is low it can lock up the drive wheels for a moment and cause a skid.

### **Driving in Low Visibility**

Being able to see clearly in all directions and being visible to other drivers is important in all weather conditions. This is more difficult in bad weather conditions. To be seen more clearly during daylight hours, turn the headlights ON. Inspect the windshield wipers and washers regularly. Keep the windshield washer reservoir full. If the windshield wiper blades start to streak the windshield or leave parts unwiped, replace them. Use the defroster to avoid fogging or windshield on the inside.





## Shifting Driving Modes

### Automatic Locking Hubs (If Applicable)

#### Note:

*When you shift to 4WD mode, an audible 'click' will indicate that automatic locking hubs are engaged and therefore power is being transmitted to the front wheels. While changing back to the 2WD mode, the hubs need to be released.*

### To release the Locking Hubs

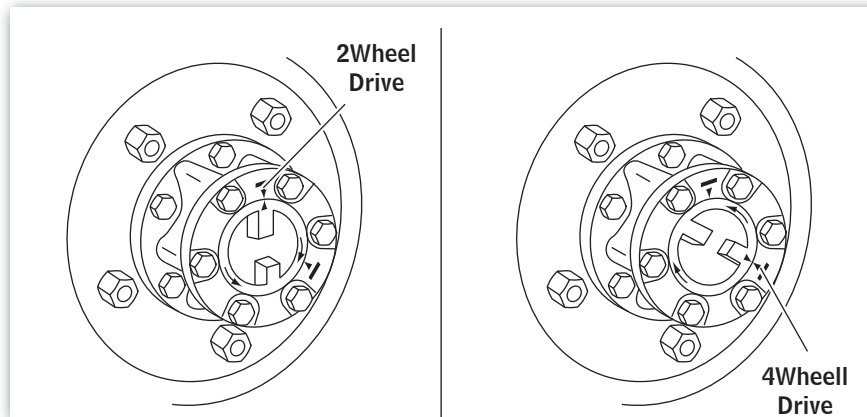
- Shift from 4WD to 2WD
- Reverse the vehicle in a straight line for about a meter.
- An audible 'click' will indicate that the hubs have been released

### Manual Locking Hubs

The free wheeling hubs disconnect the drive at the front wheel hubs so that the front axle compounds do not need to be rotated when the vehicle is driven on the rear two wheels.

This provides improved fuel economy & reduces noise & wear.

Turn both the hub dials to the 'Free' position when the transfer lever is shifted to the 2H position. Turn both the dials to the 'Lock' position when the transfer lever is shifted to the 4WD position, either 4L or 4H.



**Note:**

*Make sure that both the hubs are set to the 'lock' position when operating the vehicle in 4wd (4H or 4L) setting one hub in the 'Lock' position and the other in 'free' position will not make 4WD position.*

*It is recommended to 'Lock' the hubs once a month & drive a few miles rather than operating the vehicle exclusively with the hub in the 'Free' position. This keeps the operation of free wheeling mechanism always smooth and provides lubrication to the axle components.*

**Caution:**

When shifting the hub, turn the hub dial the way until it stops and bring two marks in alignment. If the hub dial is set to a half turned position, the hub may be damaged when the driving power is applied.

- Be careful when you shift the hubs. The hub may be hot and could burn your finger after excessive application of brake.

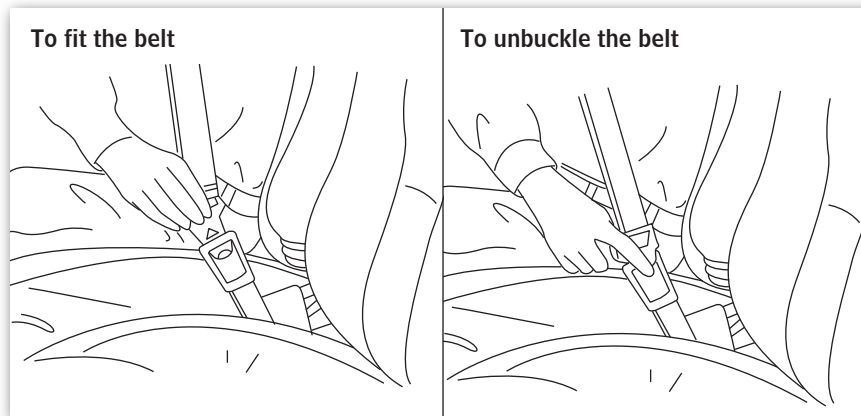
## Seat Belt

The belt allows considerable freedom of body movement to driver or passenger whilst the vehicle is going at a constant speed & in a straight line. The belt will get locked, if there is any rapid change in direction or speed.

### Seat Belt Fitting

In order to fit the belt draw the tongue & webbing across the body from the outboard shoulder to the inboard hip, where the buckle is located. Push the tongue into the buckle slot until a firm click is heard. Check the buckle for security by tugging sharply on the webbing. To unbuckle, simply press the release button on the buckle.

The retractor mechanism ensures that the correct tension & slack in the webbing is preserved. Slack belt webbing vastly increase the chances of injury during an accident. Care must be taken to avoid the use of polishes, acids, oils & chemicals on webbing & if contaminated or damaged or after a severe vehicle impact, seat belts must be renewed. For cleaning, soap & water can be used.



## Emission Control - Precautions

As the owner of the vehicle you are responsible for maintaining the vehicle in good condition & low emissions from the vehicle.

Here are few tips for lower emissions from your vehicle

- Maintain the recommended tyre pressure. Get the tyre pressure checked periodically.
- Clean/replace the air filter at regular intervals.
- Clean the fuel injector nozzles at recommended intervals.
- Change the engine oil/oil filters at recommended intervals.
- In case your vehicle is emitting excess smoke (Blue/ white / black smoke) get your vehicle checked at authorized service station.
- Allow your engine to warm up after a cold start.
- Drive the vehicle in correct gears. Avoid sudden accelerations & decelerations.
- Stop the engine if the engine has to idle for longer duration.
- Avoid clutch riding & check the clutch play.
- Get your vehicle emission checked periodically.
- Do not use adulterated fuel.
- Use genuine parts & recommended oils & lubes.
- Check/adjust the belt tension periodically.
- Get the tappet clearances checked as recommended (as indicated in maintenance schedule)
- Do not tamper with the FIP Settings & idling rpm.

These tips would not only reduce your vehicle emissions but also gives you better performance.

## Diesel Catalytic Converter

### Catalytic Converter (If equipped)

A catalytic converter is an exhaust gas after-treatment device fitted in the exhaust system of your vehicle to reduce pollution. It converts harmful unburned hydrocarbons and carbon monoxide into harmless carbon dioxide and water vapor.

### Care & Maintenance to minimize the possibility of the damage to catalytic converter

- Maintain the engine in the proper operating conditions, as per owner's manual.
- Consult a M & M Authorised Dealer/ Authorised service center at the earliest in the event of irregular engine running following a cold start, misfiring, a significant loss of vehicle drivability or other unusual malfunctions which may indicate a fault in the ignition system.
- If necessary, drive the vehicle to the nearest outlet for a short time at low engine speed.

### Caution

- Avoid use of high sulphur diesel. Use only diesel with sulphur content below 500 ppm.
  - Avoid frequent cold starts.
  - Avoid starting the engine by pushing or towing the vehicle, or by coasting down a hill.
  - Do not switch off the engine or interrupt the ignition when the gearbox is engaged and the vehicle is in motion.
  - Do not idle the vehicle for prolonged periods if idling seems rough or any other malfunctions.
  - Do not run out the fuel tank totally.
  - Do not switch off and on ignition while the vehicle coasts down.
  - Do not park or operate the vehicle near combustible materials like dry grass & leaves. This may lead to fire hazards.
  - Avoid driving on water flooded roads
- Do not operate the engine in confined areas like garages.
  - Check for exhaust system leaks and any damages:
    - Each time the vehicle is raised for an oil change.
    - Whenever a change is noticed in the noise of the exhaust system.
    - Whenever the tail pipe end of the exhaust system is found rusty.

## Do's & Dont's

### Do's

1. Use recommended lubricants only.  
Replace oil in engine, gear box, rear axle, steering box, master cylinder & oil bath air cleaner periodically as per schedule.
2. Use only genuine oil filter & fuel filter elements.
3. In order to obtain trouble free & enhanced engine life, clean air filter element regularly. Replace filter element when service indicator shows red band even after cleaning the filter element.
4. Ensure periodic servicing as per maintenance schedule.
5. Insist on use of genuine Mahindra spare parts for all replacement.
6. Allow the starter pinion to come rest before again attempting to start the engine in order to avoid pinion & flywheel ring gear damage.
7. Replace thermostat in the event of failure & ensure fitment of pressurized radiator cap to get better engine life.
8. Maintain correct tyre pressures as specified in chart. Before moving the vehicle release the parking brake.
9. Maintain electrolyte level in the battery (using distilled water). Keep battery terminals clean & cable joints tight. Apply Vaseline petroleum jelly on terminals.
10. Disconnect alternator/battery electrical connection while carrying out welding work on the vehicle. Observe correct polarity when connecting battery terminals.

### Dont's

1. Do not run the vehicle with leaky air pipes, fuel pipes & water hoses.
2. Do not run the vehicle without a battery in its electrical circuit as the life of alternator will be reduced.
3. Do not open degassing tank cap when engine is hot. Never add cold water when engine is hot as this may lead to cylinder head/block crack.
4. Do not keep the engine running when the pointer of the temperature gauge is in red zone.
5. Do not use clutch pedal as a foot rest. It will cause premature wear of clutch plate, release bearing, clutch finger & also clutch, which results in less KMPL.
6. No. of passengers carried should be within approved seating capacity.
7. Do not race or rev the engine especially when starting. This is destructive to engine & will not heat the engine quickly.

## Maintenance Procedure

### Vehicle maintenance when out of use

**Engine** - Start & run the Engine a few minutes once in a week. Drive the vehicle a little forward & backward once a fortnight.

**Cooling system** - Add coolant and water in the ratio indicated in section 'Radiator'.

**Electrical** - Disconnect the terminals of the battery & store it separately. Smear petroleum jelly on the terminals & recharge once in a month.

**Clutch** - Press the clutch pedal to the floor board in fully depressed position.

**Brakes** - Operate the brake pedal a few times once a week. Check & top-up brake fluid in master cylinder once in a month.

**Tyres** - Maintain the normal tyre pressure & check it once in a week. Support the vehicle so that load on the tyres is relieved & correct the tyre pressure before the vehicle stands on the wheel.

**Body** - Coat rust-proof to all bright metal. Cover up with upholstery.

### Engine

#### Topping up the Engine Oil

The engine oil level should be maintained **at little below high** mark on the dipstick & must never be allowed to fall below the **low**. While checking the oil level, park the vehicle on a level ground with the engine shut down. Withdraw the dipstick from its holder, clean & refit. Withdraw again & note the level. Top-up as required with the clean correct grade of engine oil. Always drain & fill the oil when engine is warm.

#### **Note:**

*Start the engine, run at a fast idling speed for about a minute. Stop the engine & after allowing some time oil level to stabilize, recheck again & top-up if necessary.*

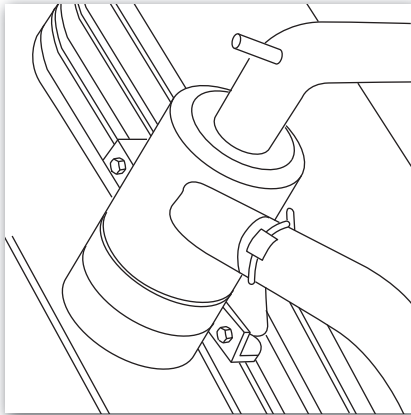
- Do not mix different brands or grades of oil.
- Lubricating oil filter should be replaced at every oil change.

Use oil grade as per lubrication chart for ambient up to -5°C. At lower temperature, use oil of lower viscosity grade.

## Air Filter, Radiator & Fuel Injection System

The air filter is located on the Right Hand (RH) side of the engine compartment. A dry type air filter is used. Air filter service indicator (SI) is fitted on the hose between the air filter and engine. This service indicator has to be checked at every 5000 km. to confirm that red band does not appear on service indicator.

Whenever red band appears, it means that the air filter element is choked up and needs servicing. Clogged air filter leads to higher intake resistance and can reduce the driveability of the vehicle.



### Servicing Instructions:

- It is advised to service air filter through Mahindra Dealer/Service Centre.
- Periodically clean the air filter element: Every 10,000 kms. (or 6 months) on paved road. **OR** Every 5,000 kms. (or 3 months) on dusty road. **OR** When service indicator shows red band.
- Replace element: When service indicator shows red band even after cleaning the filter element. **OR** Every 40,000 kms. (or 2 years) **OR** If holes or tears are found in the element.

### Caution:

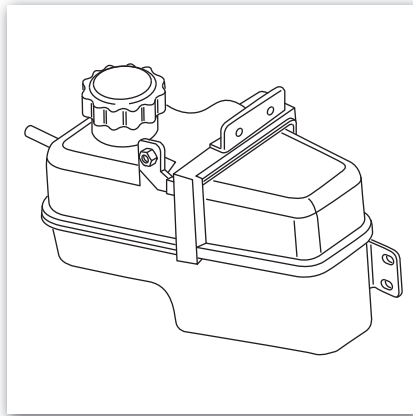
Do not operate the vehicle without air filter element.



### Radiator

- Use always clean water.
- Flush the radiator once in a year.
- Never pour cold water into warm engine.
- Keep the radiator area free of insects & other things that restrict air circulation.

### Degassing Tank:



### Note:

*The cooling system should be filled with Blend of clean water with Ethylene Glycol based coolant. The coolant also provides anticorrosion protection if concentration 15% and above.*

The recommended coolants are: BASF Glycentine or Total Finolf - Glacelf Supra at a ratio of water: coolant of 70:30, 50:50, 30:70. For ambient temperature up to -10°C, -11°C to -20°C, -20°C to -35°C respectively. Use of alcohol as an antifreeze is not recommended. Use the anti-freeze when the operating temperature falls below 0°C.

### Caution:

**Never remove the Degassing Tank cap, when the engine is hot.**

### Fuel Injection System

Fuel Injection Pump (FIP) is of a distributor type.

### Make: MICO Bosch

- FIP is made out of finely machined, close tolerance components, & is lubricated by the diesel fuel used in the engine & not by a separate oil reservoir. It is therefore of utmost importance that water & dirt be kept out of the FIP.
- FIP requires neither maintenance nor lubrication check the tightness of the piping to avoid any air intake which would cause excess consumption.
- It is recommended that FIP & injector should always be given to the **authorised dealer** for service.
- Replace the fuel filters as recommended below.
  1. Change primary filter at every **10,000 Kms.**
  2. Change secondary filter at every **20,000 Kms.**

- Check the FIP when frequent starting difficulties are encountered & noise or black smoke is coming from the exhaust.

### Caution

- Do not interchange primary & secondary filters.
- Since the fuel is the lubricant do not crank the engine for extended periods with fuel lines disconnected or empty fuel tank.

### Bleeding (Primary) the fuel circuit

- Loosen the bleeding (or vent) on the injection pump top cover
- Unscrew the priming pump lever knob & prime till diesel coming out of the bleeding screw & is free from any air bubbles.
- Tighten the bleeding screw.

### Fuel Filter

It is a dual 0.5 lit. filter provided with hand primer. Bleeding procedure is similar to FIP bleeding.

### Note

- *Fuel outlet banjo is a special throttling screw for maintaining required pressure inside the pump. Hence do not interchange it with fuel inlet banjo.*
- *Drain the filter once in a week or earlier if water contamination is excessive.*

### Draining is done as follows:

- Loosen air vent screw provided on filter cover.
- Remove, the drain screw provided at the bottom of the filter bowl & drain water/sediments.
- Assemble the drain screw & tighten it properly.
- Tighten the air vent screw properly.
- Bleed the fuel system by operating the hand primer.

### **Fuel Tank**

- Clean the tank at regular intervals once in a year.
- Ensure that no foreign matter or water enters during filling the fuel tank.
- Ensure that breather system is not clogged.

### **Tips for Improving Fuel Efficiency**

- Maintain correct tyre pressure; Under-inflated tyres result in increased running resistance, leading to higher fuel consumption.
- Maintain proper front-wheel alignment; Improper front-wheel alignment causes tyres to wear out faster and exerts more load on the engine, leading to higher fuel consumption.
- Avoid driving with excess weight; Excess weight increases load on the engine, leading to higher fuel consumption
- Avoid excessive engine idling; It is advisable to switch the engine OFF during prolonged waits at traffic signals, railway crossings etc.
- Avoid fast start and unnecessary stops; Avoid sudden acceleration or deceleration
- Maintain a clear air-cleaner; Clogged air-cleaner decreases the amount of air supplied to the engine, resulting in incomplete combustion and thus, wastage of fuel.
- Anticipate traffic conditions; Avoid traffic congestions whenever and wherever possible. This would lead to considerable fuel savings.
- Follow proper driving practices; Do not rest your foot on the clutch or brake pedals unnecessarily; It doesn't allow transmission of full engine power to the wheels and causes premature wear and results in poor fuel economy.
- Follow the recommended maintenance schedule; Get your vehicle checked and maintained periodically by the Mahindra Authorised Dealer.
- Use the air-conditioner only when necessary.
- Use only recommended grade fuel
- Use only recommended grade oil
- Use only recommended coolant

## Steering System

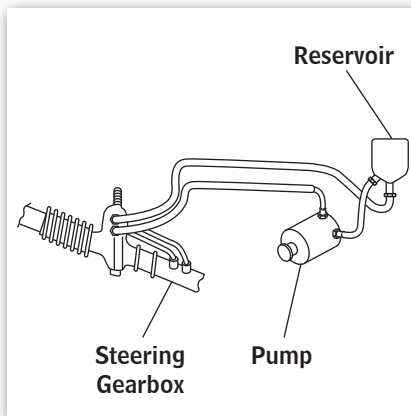
- Avoid looseness in the steering system. Adjust various connections including the front wheel bearings.
- Check the wheel alignment by the use of wheel alignment device (available in most equipped shops).
- Correct Toe-in for front wheels (for 4WD)- 8' to 12' per wheel. Maintain correct alignment.

### Power steering system

Power steering with universal joint, reduces effort during steering vehicle.

### The procedure for filling oil in reservoir is as follows:

- Fill the reservoir nearly full. Crank the engine for 10 seconds without, if possible allowing it to start.
- Check for any leakage in the system.
- Start the engine & steer the vehicle from full left to full right turn (3-4 times). Add fluid if necessary to maintain the level up to the filter top. Check & refill reservoir up to H mark on dipstick.
- System is self bled & does not require any bleeding operation.
- Now the system is ready for driving.



## Routine Maintenance

- Always use recommended oil from closed container. Any dirty oil poured in the system will result in damage to pump/gear.
- Do not start the engine without oil in the Power steering system. This will result in serious damage to the pump.
- Regularly check fluid & fluid level in the power steering reservoir.
- Remove cause of steering column misalignment.
- Investigate & correct any external leaks, no matter how minor.
- Do not attempt to weld any broken steering gear component. Use genuine component of steering only.
- Keep the tyres inflated to correct pressure.

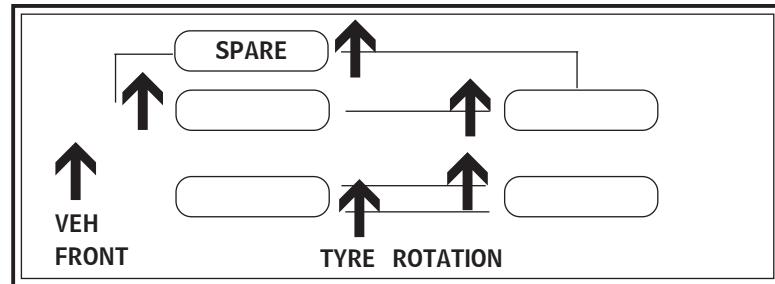
### Tyres

- Inflate the tyres as per chart.
- For getting a good tyre mileage, it is suggested to rotate the tyres for every 10000 Kms. Check the tyre for alignment.

FRONT	REAR	TYRE SIZE
2.1 Kg./cm <sup>2</sup> (29.87 p.s.i.)	3.0 Kg./cm <sup>2</sup> (42.66 p.s.i.)	P235 75R 15 Radial Tyre

### Wheel Bearing

- Use always recommended wheel bearing grease.
- Lubricate the rear wheel bearings sparingly.
- Don't mix lithium base grease with sodium base grease as it is harmful to oil seals.



## Recommended Lubrication Chart

LUBRICANT RECOMMENDATION FOR LOW TEMPERATURE APPLICATIONS						
	PERFORMANCE SPECIFICATION	VISCOSITY CLASS SAE				QUANTITY
OIL TYPE	Diesel Engines	50° to 0°C	0° to -10°C	-10° to -20° C	-20° to -25 °C	
ENGINE OIL	API CH4, MB 228.3, VDS-2, DHD-1	15W-40	15W-40	5W-40	5W-40 / OW-30	Diesel Engine (NEFTC) - 6 Litres
TRANSMISSION OIL	GL4	80W-90	75W-90	75W-90	75W-90 / 70W-90	2 Litres
AXLE OIL	GL5	75W-90	75W-90	75W-90	75W-90/ 70W-90	Rear Axle 1.65 lit. & Front Axle 1.2 Lit
TRANSFER CASE OIL	ATF MEETING THE SPEC. OF DEXTRON II D & above					1.1 lit
POWER STEERING OIL	CALTEX MAKE 'TEXAMATIC' 1888 AT Fluid					0.8 lit. (approx)
CLUTCH & BRAKE FLUID	DOT 3 BRAKE FLUID MEETING FMVSS NO.116 / SAE J 1703 SPECIFICATIONS					As Required
ENGINE RADIATOR COOLANT	BASF MAKE 'GLYSANTIN' 48-24 or 45-23 for Diesel vehicle # <i>Note: # Mix coolant and clean water externally and fill up to the max level Ratio: 30% Coolant + 70% Clean Water for temperatures down to -10°C Below -10°C use 50%Coolant + 50% Clean water</i>					Diesel Engine (NEFTC) -10 Litres
WHEEL HUB & CHASSIS LUBRICATION POINTS		50° to 0°C	+0° to -10°C		-10° to -25°C	As Required
	General specification	Lithium Complex Grease meeting NLGI2 grade				
	Manufacturer	Recomomded brands ##				
	BalmerLawrie	AUTOPLEX2/3	SYNTHPLEX 3		SYNTHPLEX 3	
	Castrol	LCG2	LCG2		--	
	Exxon-Mobil	XHP 222	XHP 222		SHC 220	
	Shell	Retinax LX2	Retinax LX2		Retinax EP2	

##(Note: The brand-wise recommendation is optimised one which is found suitable for both Wheel hub and Chassis lubrication at various temperatures)

## Bulb Specification

Description	Location	Cap type	Watts	Qty.
Headlights	Head Lamp	P43t (H4)	55/60	2
Turn indicator lights	Front & Rear	BA15S	21	2
Stop light & Parking lamp	Rear	BAY15d	21/5	2
Parking lamp	Front	BA9S	5	2
Registration No. plate lights	On Rear Bumper	BA15S	10	2
Reverse indicator lights	Tail Lamp	BA15S	21	2
Illumination lamp	Instrument Cluster	Capless BA9S	3.4	2
Headlight (Main beam)	Do	Do	1.4	1
Turn indicators	Do	Do	1.4	2
Battery charging indicator	Do	Do	1.4	1
Glow plug indicator	Do	Do	1.4	1
Low oil pr. indicator	Do	Do	1.4	1
Brake fail indicator &	Do	Do	1.4	1
Parking brake indicator	Do	Do	1.4	1
Roof lamp	Roof Panel	Festom	5	2
Engine compartment light	Engine Cabin	BA15S	21	1
Side Marker Lamp	Side Fender	Capless Opt BA9S	3 Opt 2	2

## Maintenance Schedule

Work Nature	Distance Covered (in Kms) / Months in service											
	PDI500	5000/3m	10000/6m	20000/12m	30000/18m	40000/24m	50000/30m	60000/36m	70000/42m	80000/48m	90000/54m	100000/60m
<b>Engine &amp; Cooling System</b>												
Check Radiator coolant level and coolant hose & heater hose connections for leaks.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check & Replace accessory Drive belt tension	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	✓	✓
Check & Replace idler/tensioner pulley/gear bearing assy		✓	✓	✓	✓	✓	R	✓	✓	✓	✓	R
Change Engine coolant						R				R		
Check Fluid Reservoirs levels	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Engine oil level and leakage	✓											
Adjust intake and Exhaust valve clearance				✓		✓		✓		✓		✓
Check the drive belts for cracks, fraying, wear & tension	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Change Engine oil & oil filter		R	R	R	R	R	R	R	R	R	R	R
Check Vacuum pipe oil hoses connection	✓	✓		✓		✓		✓		✓		✓
Check Diesel smoke (or) as per local regulation						✓				✓		
Check injection nozzle opening pressure and spray characteristics						✓				✓		
<b>Air, Fuel &amp; Exhaust</b>												
Replacement of air cleaner element (or when service indicator shows red band, whichever is earlier)						R				R		
Rectify fuel leakage if any / Check fuel lines (Every 20,000 till 80,000 and then every 10,000 Kms)	✓			✓		✓		✓		✓		✓
Remove drain plug fuel tank and drain off sediments.										✓		
Check & drain water from Fuel filter			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Replace fuel filter element. Primary filter (at every 10000 kms /6months) & Secondary filter (at every 20000kms/12months)			R	R	R	R	R	R	R	R	R	R
Exhaust pipes and mountings, Check and if necessary replace	✓			✓		✓		✓		✓		✓



Work Nature	Distance Covered (in Kms) / Months in service											
	PDI500	5000/3m	10000/6m	20000/12m	30000/18m	40000/24m	50000/30m	60000/36m	70000/42m	80000/48m	90000/54m	100000/60m
<b>HVAC</b>												
Tighten the bolts on brackets and compressor	✓		✓	✓	✓	✓	✓	✓	✓			
Change the HVAC filter element					R			R			R	
<b>Clutch &amp; Transmission</b>												
Clutch fluid. Checks Top up	✓		✓	✓	✓	R	✓	✓	✓	R	✓	✓
Replace Transmission Gear oil	✓	R	✓	R	✓	R	✓	R	✓	R	✓	R
Clean & refit breather												
<b>Steering</b>												
Check All stg rods & Arms ( Loose , damage , wear ) + tighten intermediate shaft bolts	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check stg Ball joint and dust covers			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Steering wheel linkage & gear box oil	✓			✓		✓		✓		✓		✓
Check Power steering reservoir fluid level and hose connections for leaks	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Front Axle</b>												
Change grease in front wheel hub							R					R
Adjust bearing play ( 0.0254 mm - 0.1016 mm )							✓					✓
Check Front Axle Drive shafts ( Bent or boot damage )				✓		✓		✓		✓		✓
<b>Rear Axle</b>												
Check & change grease of RearAxle wheel bearing and chech for smooth Rotation							R					R
Check, top-up if required & Replace Rear Axle Differential gear oil	✓	R	✓	R	✓	R	✓	R	✓	R	✓	R
<b>Brake</b>												
Check front brake pads, disc & other brake components for wear, deterioration & leaks.			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check rear brake lining, drums & other brake components for wear, deterioration & leaks.			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Brake pedal operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Work Nature	Distance Covered (in Kms) / Months in service											
	PDI500	5000/3m	10000/6m	20000/12m	30000/18m	40000/24m	50000/30m	60000/36m	70000/42m	80000/48m	90000/54m	100000/60m
Check and adjust parking brakes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check or Change Brake fluid @@	✓	✓	✓	✓	✓	R	✓	✓	✓	R	✓	✓
<b>Pedals &amp; Controls</b>												
Check foot brake, parking brake & clutch for free play	✓			✓		✓		✓		✓		✓
<b>Suspension</b>												
Check Wheel alignment & rotate the v/heels as per manual			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check shock absorber & its bushes (for oil leakages / damages), Replace if necessary				✓		✓		✓		✓		✓
Check condition of bushes, rubber links in anti-roll bar Replace if necessary, @@					✓			✓			✓	
Check condition of rubber bushes in lower link of front suspension. Replace if necessary. @@					✓			✓			✓	
Check condition of pivot bushes in top wishbone. Replace if necessary @@					✓			✓			✓	
Check and tight the suspension arm mounting bolts and ball joint mounting bolts to the specified torque			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

@@ - or once in a year, whichever is earlier

<b>Electrical</b>												
Check the Operation of all instruments, gauges, lights and accessories.	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Battery fluid level, specific gravity and conditions of battery terminals (or see in six months)	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Operation of 1 horn (s) wiper and washer	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Operation of headlights (High & Low beam ) & leveling mechanism	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Operation of warning lights	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Grease the wiper motor linkages (or Once in a year before monsoon)						✓				✓		

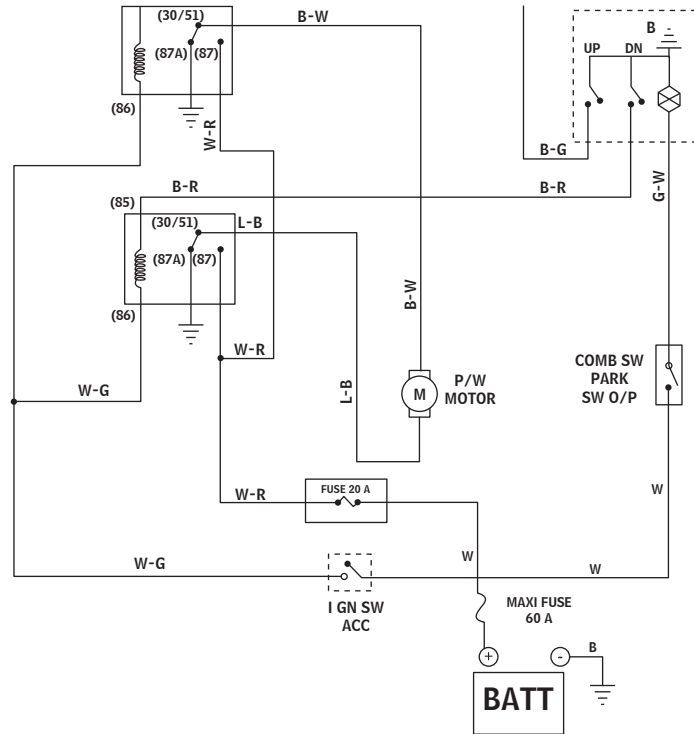
Work Nature	Maintenance Schedule	Distance Covered (in Kms) / Months in service											
		PDI500	5000/3m	10000/6m	20000/12m	30000/18m	40000/24m	50000/30m	60000/36m	70000/42m	80000/48m	90000/54m	100000/60m
Check Operation of headlights (High & Low beam ) & leveling mechanism		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Operation of warning lights		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check Grease the wiper motor linkages (or Once in a year before monsoon)							✓				✓		
Interiors & Mechanisms													
Check Front and rear seats, and seat belts for operation.		✓											
Check All moldings, trims and fittings for fit and alignment		✓											
Check seat belts, buckles, retractors & adjuster		✓			✓		✓		✓		✓		✓
Check All windows for operation & alignment		✓											
Check Hood, NVH covers, door panels for fit and alignment		✓											
Check & lubricate Latches, Keys and locks for operation		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check & apply grease Door lock striker, Check arm, Bonnet opening lever & lock plate.		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wheels & Tyres													
Tires rotation & Inflation pressure (Including Spare tyre)				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Check & Grease Propeller shaft & sliding yoke		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Under Body Inspection													
Check oil level & leak on Transmission, Transfer and differential propeller shafts, drive shafts, engine & body mounting bolts.		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lubricate locks, hinges & latch Tighten bolt and nuts of steering linkage, gear box, suspension,				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Road Test													
Check clutch operation, parking brake operation, steering control & returnability, Engine performance, Squeaks & rattles, Body & Chassis noise, operation of service / parking brakes, gear shifting, instrument cluster, operation of HVAC		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Work Nature	Distance Covered (in Kms) / Months in service											
	PDI500	5000/3m	10000/6m	20000/12m	30000/18m	40000/24m	50000/30m	60000/36m	70000/42m	80000/48m	90000/54m	100000/60m
<b>Final Inspection</b>												
Check & ensure normal working of engine	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Install necessary parts (Outside mirror, Wheel covers, Seat belts, mat, Side foot step, Ski-rack & mud flaps) Inspect for interior and exterior metal and paint damage. Check for spare tire, jack, jack rod, tools and literature. Wash & Clean interior and exterior before every delivery.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>General Inspection</b>												
Check Sound System & Controls, Retractable Aerial, Child lock, Power Window Controls, Power Lock system & control, Cigarette Lighter and Remote Control Mirrors.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

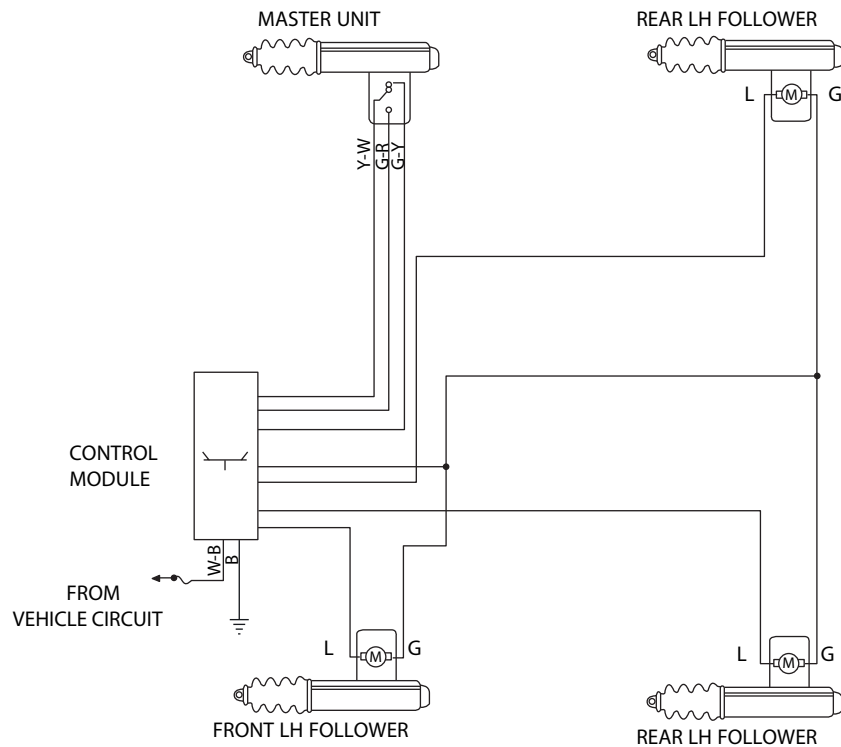
✓ - Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust or replace

R - Indicates Replace or change

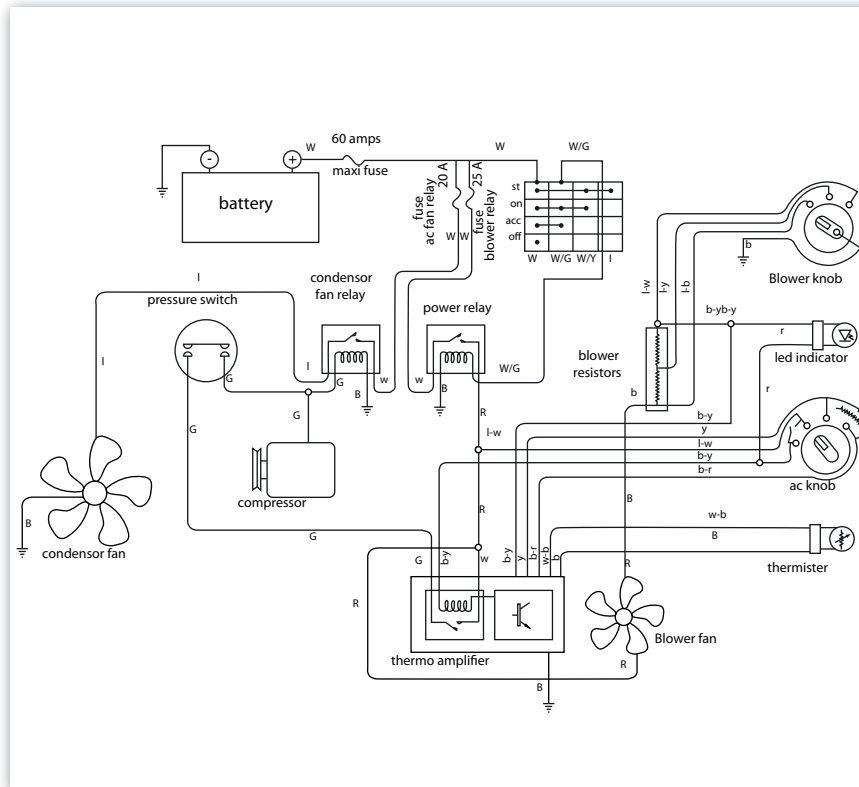
## Power Window Circuit (Single Door)



## Central Locking Circuit Diagram for Bolero SC Turbo / DC Turbo

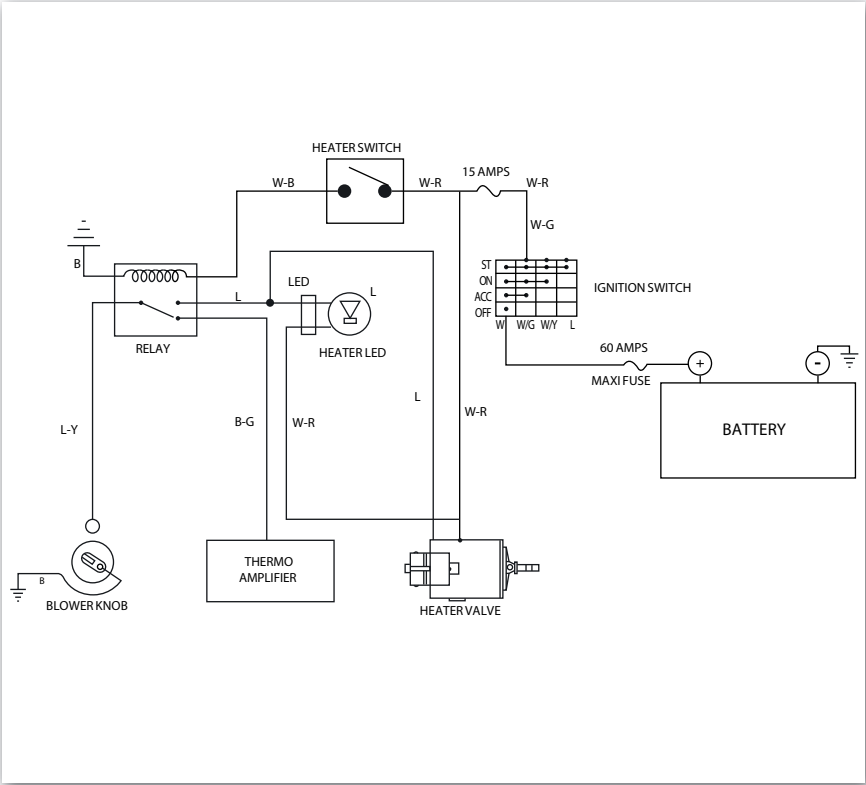


## AC Circuit Diagram for Bolero SC Turbo / DC Turbo (RHD)



Sb	sky blue
P	pink
V	violet
O	orange
w	white
1	blue
br	brown
gr	gray
g	green
y	yellow
b	black
r	red
code	col name

# Circuit Diagram Heater for Bolero SC Turbo / DC Turbo



Sb	sky blue
P	pink
V	violet
O	orange
w	white
l	blue
br	brown
gr	gray
g	green
y	yellow
b	black
r	red
code	col name



## Record of Services Performed

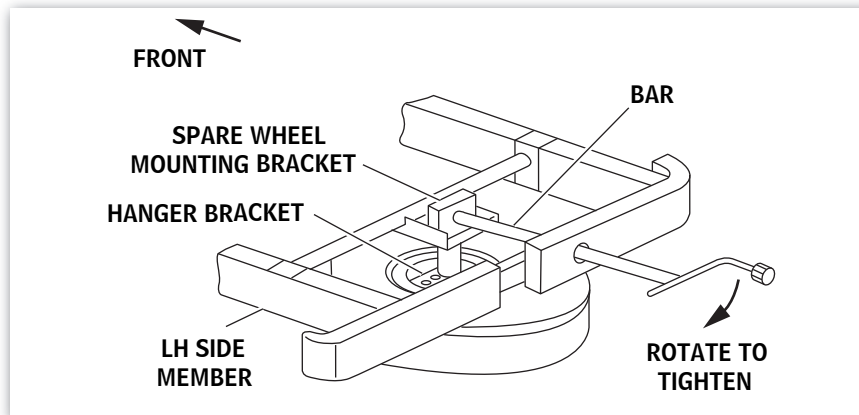
Recommended Services at KM	Date	Odometer Reading KM	Repair Order No.	Servicing dealer's Signature with stamp
PDI				
5000				
10000				
20000				
30000				
40000				
50000				

Recommended Services at KM	Date	Odometer Reading KM	Repair Order No.	Servicing dealer's Signature with stamp
60000				
70000				
80000				
90000				
100000				

## Spare Wheel Mounting

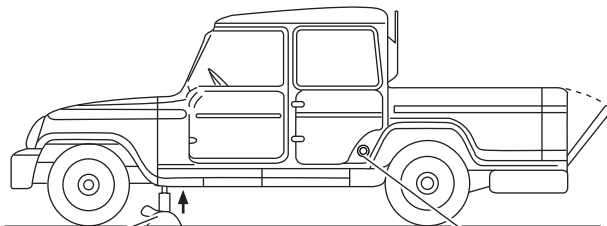
### Spare wheel mounting

Tighten the spare wheel hanger as shown in the figure. To loosen, rotate in the opposite direction & remove the wheel from the hanger bracket.



## Jack Position

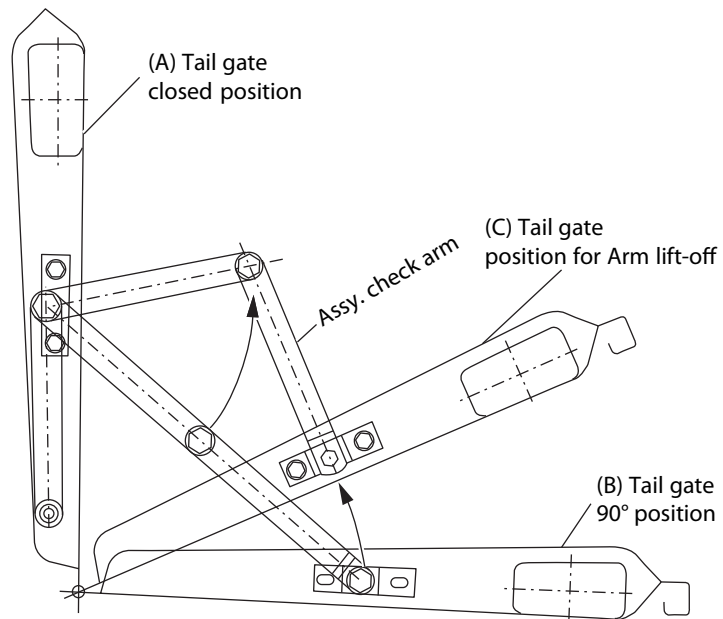
- Jacking position for front wheels
- Jacking position for rear wheels is below rear axle
- Jack mounted below middle seats on the centre floor in the vehicle.



- Jacking position for front wheels
- Jacking position for rear wheels is below rear axle
- Jack mounted below middle seats on the centre floor in the vehicle.

Jack mounting position in the vehicle

## Tail Gate Opening Procedure



## Safety

### Drinking and Driving: Don't go together

Driving, anytime, anywhere, under the influence of alcohol or drugs is dangerous to you, to your family, the passengers and to everyone else on the road. Alcohol or drugs reduce your awareness and lead to accidents.

### Driving Long Distances

When you are driving over long distances, follow these tips so that you have a safe journey:

- Never drive more than 150 kms at a time. Switch drivers even if you are not tired.
- Lack of sleep or fatigue may impact your ability to drive safely
- Exercise your eyes by shifting the focus of your eyes to different parts of the road.
- Use stimulating beverages such as coffee or tea.
- Relax and stay calm.

### Use of Seat Belts

- In the interest of safety to the driver and passengers of all four wheelers, wearing of seat belts at all times during the driving is essential.
- Using a hand phone while driving constitutes nuisance or danger to the public and hence must be avoided.
- Do not remove the filler cap from the radiator/degassing tank.
- Keep engine and surrounding area clean and free from fuel and oil leakages to avoid possible fire risk.
- Play some additional support with the jack for adequate strength.
- Park the vehicle on a level and hard ground when lifting vehicle.
- Ensure stopper is used to arrest the movement of the vehicle.
- Slow down the vehicle during taking a turn and shifting the gears.
- Always keep the wind screen clean in order to have a clear visibility.

- Avoid applying brakes violently in slippery roads.
- When the brakes are wet apply brakes slightly in a slow speed till brake performance becomes normal.

## Notes

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## Conditions of Battery Warranty

1. The warranty periods for various types of vehicles are as under:  
Utility Vehicles/Commercial Vehicles: 15 months from Date of mfg. of battery or 12 months from date of Sale of Vehicle whichever is earlier.
2. The liability of the warranty is limited to making good defects arising solely from the use of faulty material or workmanship during manufacture & developing UNDER PROPER USE during the warranty period.
3. This warranty is VALID only if the battery is properly used & serviced regularly (every month) at the service stations of OEM authorised wholesalers/service dealers during the period of warranty & entries made on the service card.
4. RECHARGING DOES NOT COME UNDER THE PURVIEW OF THE WARRANTY.
5. This warranty does not cover damage to the battery caused by faulty electrical systems, irregular servicing, failure to use distilled water, negligent maintenance, wilful abuse, or destruction by fire, collision, theft or recharging.
6. The warranty is NOT VALID if the battery under complaint has been opened or tampered with in any manner what-so-ever.  
It should be returned to the nearest Authorised wholesaler/service dealer complete with electrolyte.  
The OEM wholesaler/service dealer has the option either to rectify the defect in the battery or replace the battery.
7. Breakage of container & cover do not come under the purview of the warranty.
8. To & fro transportation charges of the battery under complaint will be borne by the customer.
9. The liability under this warranty will cease on the transfer of a battery to any person other than the original purchaser or to any vehicle other than that on which the battery was originally fitted.
10. THIS WARRANTY CARD ALONG WITH A COPY OF THE CASH MEMO/BILL MUST ACCOMPANY ALL CLAIMS ARISING WITHIN THE WARRANTY PERIOD.
11. RECHARGING WILL BE BILLED EXTRA.



## Battery Warranty Card

Name of the Customer \_\_\_\_\_

Address \_\_\_\_\_

Make of Battery - Exide / Standard Furukawa / Amaron / Prestolite

Battery Type \_\_\_\_\_

Battery Serial No. \_\_\_\_\_

Vehicle Serial No. \_\_\_\_\_

Battery Manufacturing Code \_\_\_\_\_

Vehicle Registration No. \_\_\_\_\_

Engine Serial No. \_\_\_\_\_

Date of Sale \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Dealer's Signature \_\_\_\_\_

Customer Signature \_\_\_\_\_

**DEALER'S STAMP**

## Battery Installation & General Maintenance

Although the battery is made as robust & durable as possible, the following must be observed to get the maximum performance from the battery.

1. THE BATTERY must be fitted firmly in the battery cradle, so that no undue vibration or straining occurs.
2. CONNECTING CABLES should have adequate current carrying capacity & be long enough to prevent straining of the battery terminals. It must be ensured that correct polarities (plus to plus & minus to minus) are connected.
3. TERMINALS should be brushed clean before connecting & coated immediately afterwards with pure petroleum jelly (vaseline) & not grease.
4. BATTERY TOP should be kept clean & dry.
5. CHECK that voltage regulator setting & generator output are normal for the battery. Indications as to this are that topping up intervals are regular & not too frequent & that the specific gravity of the acid in the battery remains between 1.200-1.240.
6. VENT PLUGS should be kept clean & tight.
7. LEVEL of acid should be kept about 10 mm above separator tops. Add approved distilled water only to each cell to restore level. NEVER ADD ACID.
8. STRENGTH of acid should never be allowed to exceed 1.230/1.240. Insist on this specific gravity, even if you are advised otherwise.
9. NEVER INSTALL a lower ampere hour battery than advised by your motor dealer or instructions handbook.
10. NEVER keep your battery idle for periods exceeding 2 weeks. If this cannot be avoided, arrange that the battery is removed from the car & recharged every 2-3 weeks.

## Battery Service Record

Date	Specific Gravity						Voltage	Remark	Dealer's Stamp Signature
	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6			

### KEY TO REMARKS :

- |   |                                |                                       |
|---|--------------------------------|---------------------------------------|
| A. Electrolyte level low.   | B. Alternator needs attention. | C. Electrical system needs attention. |
| D. Vehicle not running sufficiently to maintain battery. Bench charge required. | E. Clamp / Cable needs charge. |                                       |
- Battery servicing & filling of record is mandatory.
  - Claims will not be honoured in case this is not adhered to.



**Preventive Maintenance  
Service Coupon**

<b>FREE SERVICE</b>
<b>PDI</b>

Service rendered Date

--

At km

--

Registration Number

--

Model

--

Dealers / MASC Seal & Signature

--

**Preventive Maintenance Service Coupon  
FREE SERVICE COUPON**

Model

--

Invoice Number & Date

--

Owner

--

Service Rendered Date

--

At Km.

--

Dealers / MASC Seal & Signature

--

**Mahindra BOLERO SC Turbo/DC Turbo**

**PDI**

Serial Number

--

Chassis Number

--

Engine Number

--

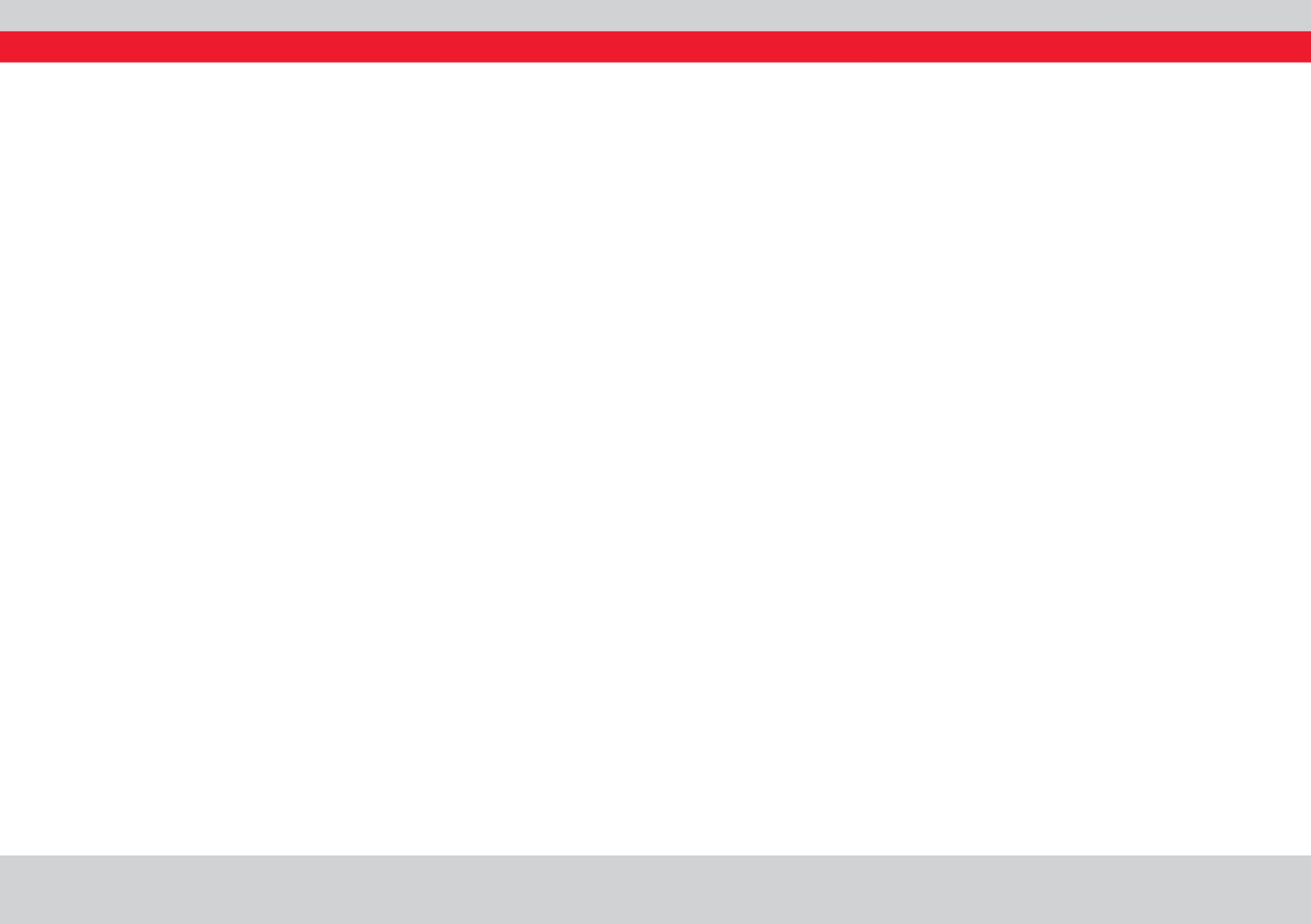
Registration Number

--

I am satisfied with the condition of my vehicle and have taken delivery of the same. The dealer has explained the warranty terms, maintenance schedule and policies to my satisfaction.

Owner's Signature

--



**Preventive Maintenance  
Service Coupon**

**FREE SERVICE**

**PDI**

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
FREE SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**PDI**

Serial Number

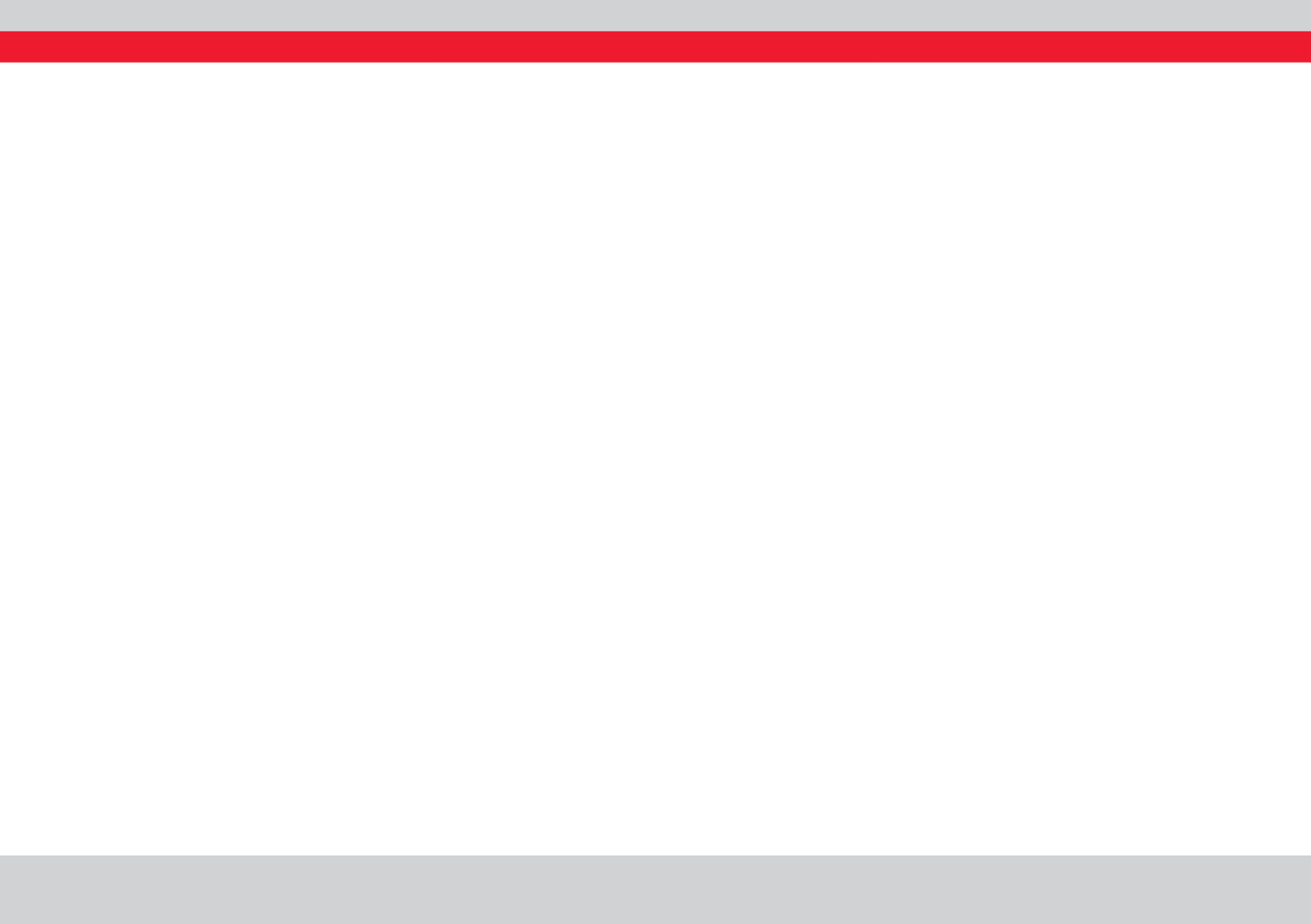
Chassis Number

Engine Number

Registration Number

I am satisfied with the condition of my vehicle and have taken delivery of the same. The dealer has explained the warranty terms, maintenance schedule and policies to my satisfaction.

Owner's Signature





**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**5000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**5000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

5000 km paid service jobs to be done as per the maintenance schedule

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**10000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**10000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**10000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**20000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**20000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**20000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**30000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**30000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**30000 km paid service jobs to be done as per the maintenance schedule**



**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**40000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**40000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**40000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**50000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**50000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**50000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**60000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**60000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**60000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**70000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**70000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**70000 km paid service jobs to be done as per the maintenance schedule**



**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**80000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**80000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**80000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**90000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**90000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

Registration Number

Owner's Signature

**90000 km paid service jobs to be done as per the maintenance schedule**

**Preventive Maintenance  
Service Coupon**

**PAID SERVICE**

**100000 KM.**  
AT ODOMETER READING

Service rendered Date

At km

Registration Number

Model

Dealers / MASC Seal & Signature

**Preventive Maintenance Service Coupon  
PAID SERVICE COUPON**

Model

Invoice Number & Date

Owner

Service Rendered Date

At Km.

Dealers / MASC Seal & Signature

**Mahindra BOLERO SC Turbo/DC Turbo**

**100000 KM.**  
AT ODOMETER READING

Serial Number

Chassis Number

Engine Number

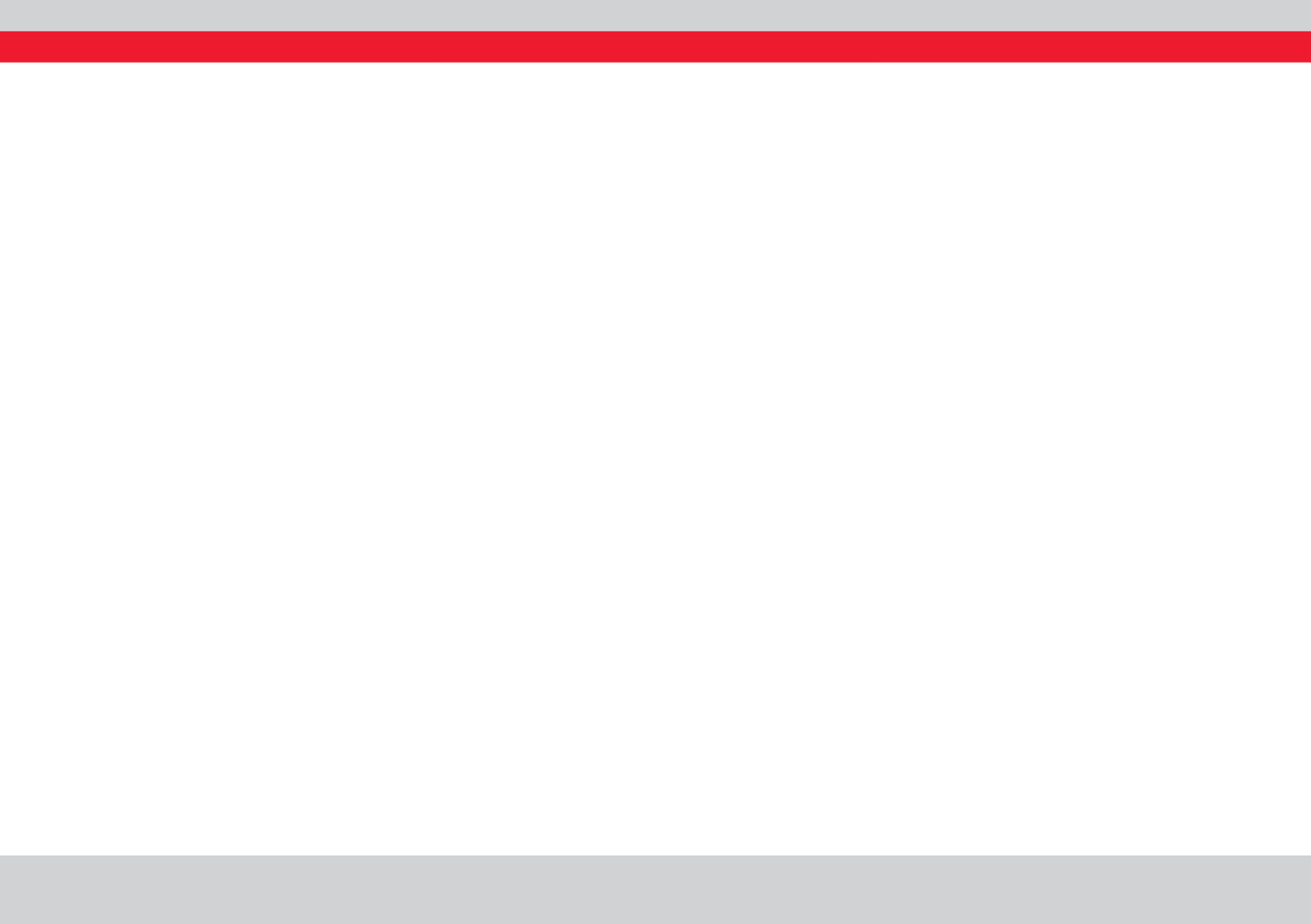
Registration Number

Owner's Signature

**100000 km paid service jobs to be done as per the maintenance schedule**

OWNER'S NAME AND ADDRESS :	MODEL NAME <b>MAHINDRA BOLERO SC TURBO/DC TURBO</b>	
	VIN/SERIAL NO.	
	CHASSIS NO.	
	ENGINE NO.	
	FUEL INJECTION PUMP SL. NO.	
I/We have been explained about the warranty terms & conditions as mentioned in ensuing pages by the dealer's representative. I/We agree to abide by the terms & conditions.	DATE OF SALE	DIRECT SALE/DEALER SALE
	KILOMETER READING	KEY NO.
	REGISTRATION NO.	M & M INVOICE NO.
	DEALER/SUB-DEALER'S NAME & ADDRESS :	
DATE	OWNER'S SIGNATURE	DATE : SEAL & SIGNATURE

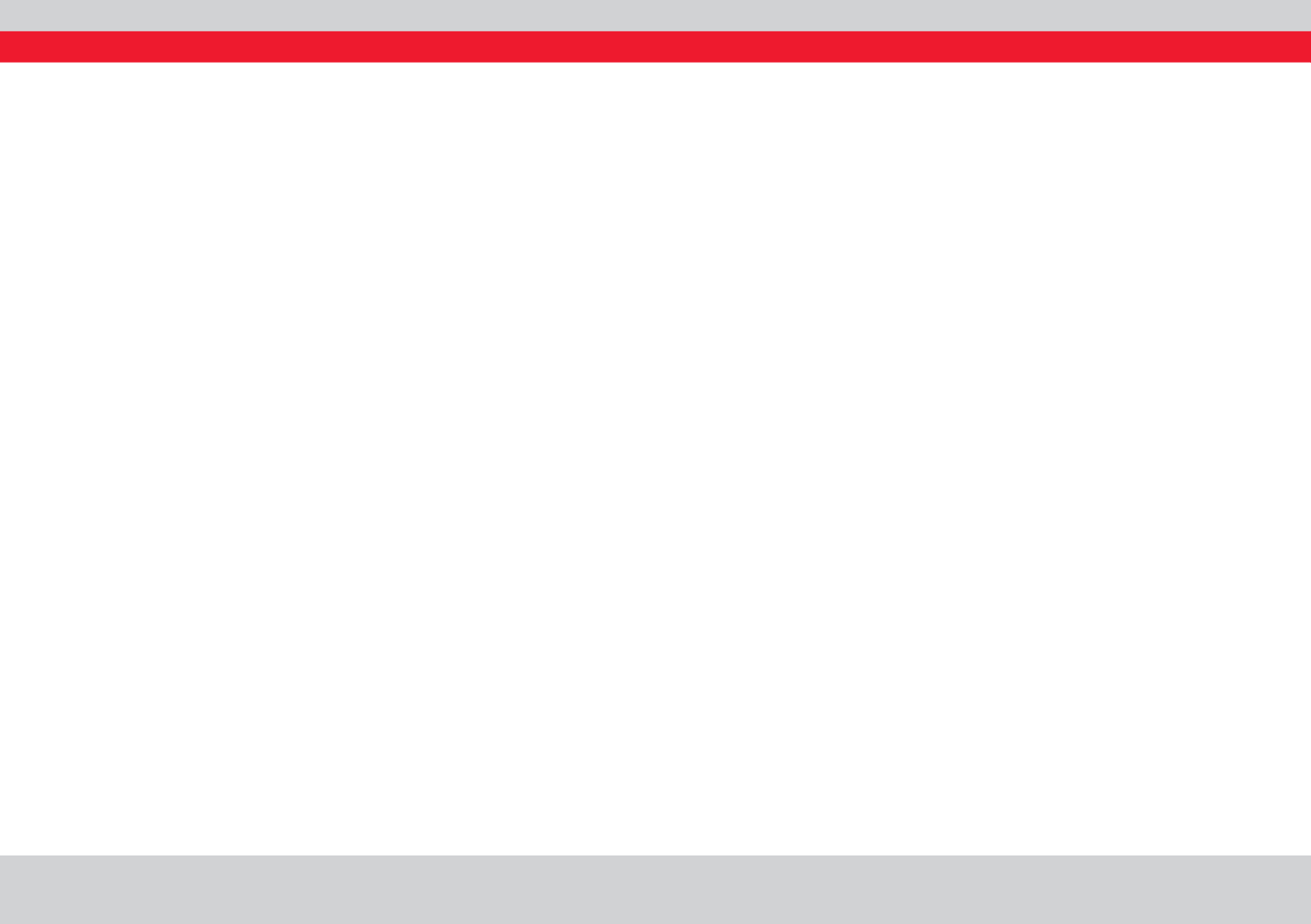
This coupon must be duly filled by the dealer & sent to Mahindra & Mahindra Ltd., Overseas Operations, Auto Sector, Worli, Mumbai, India



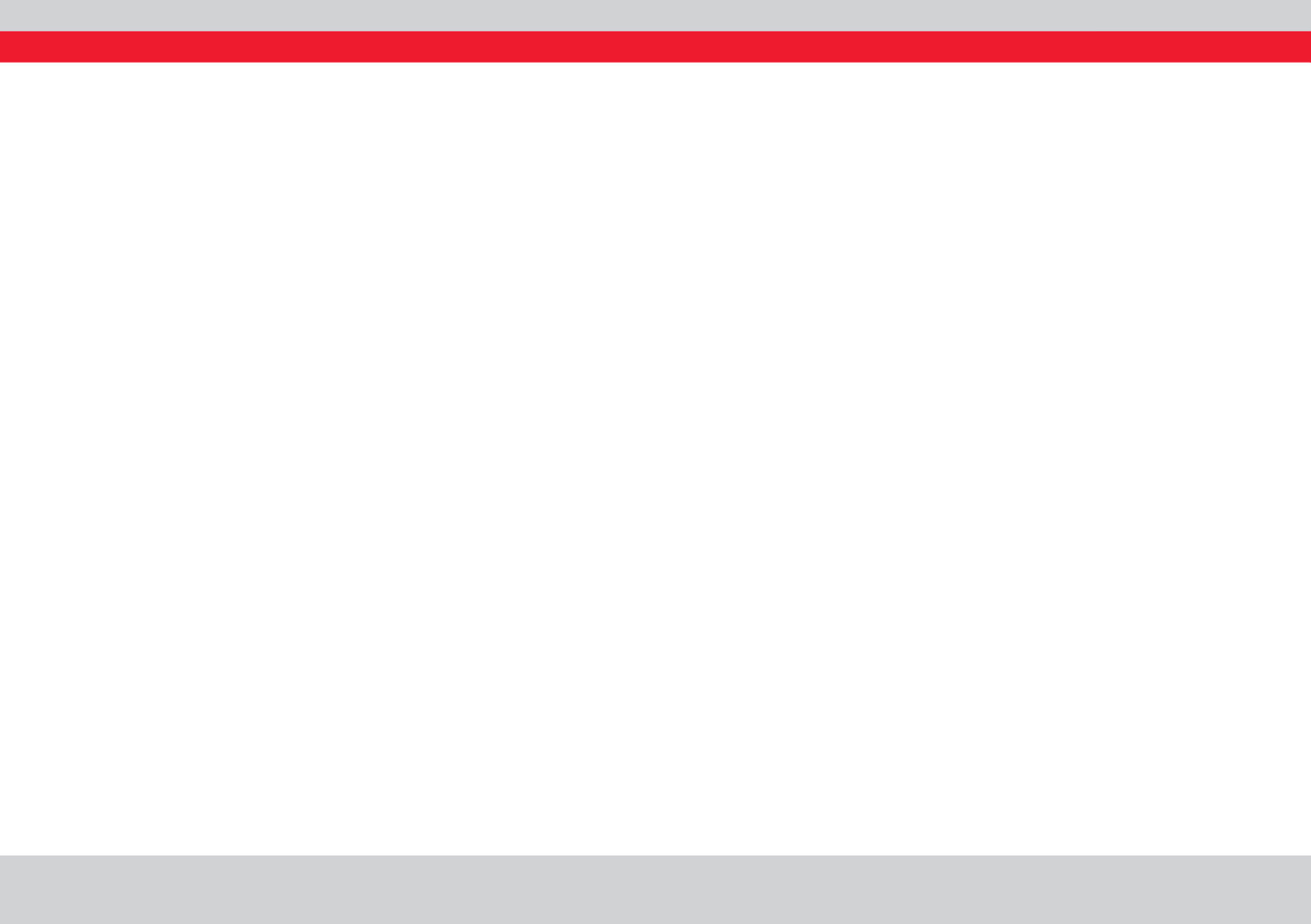


OWNER'S NAME AND ADDRESS :	MODEL NAME <b>MAHINDRA BOLERO SC TURBO/DC TURBO</b>	
	VIN/SERIAL NO.	
	CHASSIS NO.	
	ENGINE NO.	
	FUEL INJECTION PUMP SL. NO.	
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	KILOMETER READING	KEY NO.
	REGISTRATION NO.	M & M INVOICE NO.
	DEALER/SUB-DEALER'S NAME & ADDRESS :	
DATE	OWNER'S SIGNATURE	DATE : SEAL & SIGNATURE

This coupon must be duly filled by the dealer & sent to Mahindra & Mahindra Ltd., Overseas Operations, Auto Sector, Worli, Mumbai, India



This coupon must be duly filled by the dealer & retained for their record.



OWNER'S NAME AND ADDRESS :	MODEL NAME <b>MAHINDRA BOLERO SC TURBO/DC TURBO</b>	
	VIN/SERIAL NO.	
	CHASSIS NO.	
	ENGINE NO.	
	FUEL INJECTION PUMP SL. NO.	
I/We have been explained about the warranty terms & conditions as mentioned in ensuing pages by the dealer's representative. I/We agree to abide by the terms & conditions.	DATE OF SALE	DIRECT SALE/DEALER SALE
	KILOMETER READING	KEY NO.
	REGISTRATION NO.	M & M INVOICE NO.
	DEALER/SUB-DEALER'S NAME & ADDRESS :	
DATE	OWNER'S SIGNATURE	DATE : SEAL & SIGNATURE

