

**Mahindra**  
Rise.

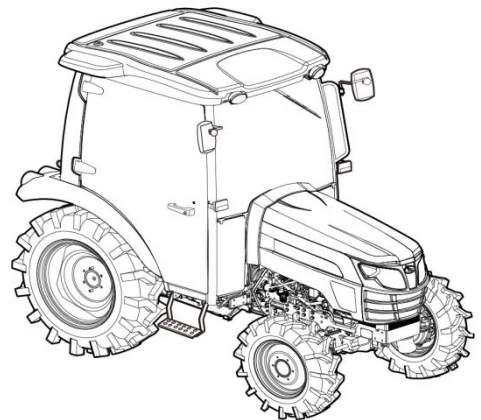


# Mahindra

**TRACTORS**

**OPERATOR'S MANUAL**

**2645 SHUTTLE/ SHUTTLE CAB**



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## OWNER ASSISTANCE

We at Mahindra and your Mahindra dealer/distributor want you to be completely satisfied with your investment.

Normally any problems with your equipment will be handled by your dealer/distributor's service departments, however, misunderstandings can occur.

If you feel that your problem has not been handled to your satisfaction, we suggest the following.

Contact the owner or General Manager of the dealership, explain the problem, and request assistance.

When additional assistance is needed, your dealer/distributor has direct access to your office.

If you cannot obtain satisfaction by doing this, contact the Mahindra office and provide them with;

- **Your name, address and telephone number**
- **Model and Tractor serial number**
- **Dealer/Distributor Name & Address**
- **Machine purchase date and hours used**
- **Nature of problem**

Before contacting the Mahindra office, be aware that your problem will likely be resolved at the dealership using the dealer's/distributor's facilities, equipment and personnel.

So it is important that your initial contact be with the dealer/distributor.

## **SAFETY TIPS DURING MAINTENANCE**

1. At least on a daily basis check all oil levels, water level in the radiator and electrolyte level in the battery and perform services according to the service schedule.
2. Ensure tire pressures are even and the correct pressure for the job being done is maintained.
3. Check to ensure that all the controls and preventative mechanisms of the tractor and implement work correctly and effectively.
4. Ensure that an adequate set of the correct tools is available for maintenance and minor repairs.
5. Ensure that all service work and repairs are carried out on a flat area with a concrete or similar floor.


Do not carry out service work on a tractor until it is switched off, the parking brake applied and the wheels chocked.

Where a tractor is started in a confined area, ensure that the area is well ventilated as exhaust gases are very harmful, and can cause death.

6. Do not work under raised implements.
7. When changing wheels or tires ensure that a suitable wheel stand is placed under the axle prior to removing the wheel and the wheels are chocked.
8. Where guards or shields need to be removed to perform a service or repair, ensure that the guard or shield is correctly reinstalled before starting the tractor.
9. Never refuel near an open flame or with an overheated engine.  
Make sure to turn off the engine before refueling.
10. The cooling system operates under pressure, take care when removing the radiator cap on a hot engine to prevent being scalded by steam or hot water.  
Do not add water to the radiator when the engine is hot.  
Add water to the radiator only after the engine cools down completely.
11. To prevent fires, keep the tractor including the engine clean and free from flammable material and well away from fuels and other flammable material.

## UNIVERSAL SYMBOLS

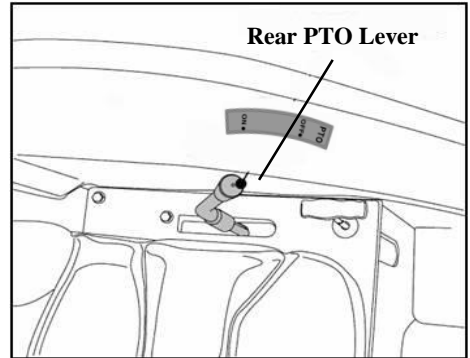
Some of the universal symbols have been shown below with an indication of their meaning

|   |                                  |   |                                 |   |  |
|---|----------------------------------|---|---------------------------------|---|--|
|    | Engine speed<br>rev/minX100)     |    | Pressured-<br>open slowly       |    | Corrosive<br>substance                   |
|    | Hours,<br>recorded               |    | Continuous<br>variable          |    | "Tortoise"<br>Slow or<br>minimum Setting |
|    | Engine<br>coolant<br>temperature |    | Warning                         |    | "Hare" fast or<br>maximum<br>setting     |
|    | Fuel level                       |    | Hazard<br>warning               |    | Transmission<br>oil pressure             |
|     | Engine<br>Stop<br>control        |    | Neutral                         |    | Turn signal                              |
|    | Lights                           |    | Fan                             |    | Transmission<br>oil temperature          |
|    | Horn                             |   | Power take<br>off engaged       |   | Parking brake                            |
|   | Engine oil<br>pressure           |  | Power<br>take off<br>disengaged |  | Work lamps                               |
|  | Air filter                       |  | Lift arm/raise                  |  | Differential<br>lock                     |
|  | Battery<br>charge                |  | Lift arm/<br>lower              |  | See<br>operator's<br>manual              |

## ► PTO SELECTION LEVER

Your tractor is equipped with a 1 Speed PTO to suit a range of applications and conditions.

| MODEL                        | POSITION        | ON      |
|------------------------------|-----------------|---------|
| 2645 Shuttle/<br>Shuttle Cab | <b>REAR PTO</b> | 540 rpm |



\* The rear PTO Lever is located on the LHS of Operator.



Important

Always turn OFF the PTO On/Off switch when engaging or disengaging the PTO lever.

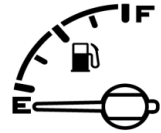


Caution

Do not operate any implement at a higher speed than as specified.  
When making adjustments to the implement, stop the engine to avoid serious injury.  
When leaving the tractor, stop the engine, and remove the key. Set the parking brake.

► **FUEL GAUGE**


To avoid excessive condensation in the fuel tank refill at the end of each day's work and ensure during the day that it does not drop to a low enough level where the fuel system will require bleeding to expel air in the system after refilling the tank.




► **ENGINE COOLING WATER**


If the gauge indicates that the engine is running hot, stop the tractor and check the coolant in the radiator.



|  |  |
|--|--|
|  <p>Danger</p> | <p>Allow the engine to cool down before opening the radiator as serious burns may result due to hot steam &amp; boiling water.</p> |
|--|--|

Also check to ensure that the fins in the radiator core are not clogged or that the tractor has a broken or stretched fan belt.

|   |   |
|---|---|
|  <p>Caution</p> | <p>When traveling on public or farm roads connect both brake pedals and allow for the weight of any mounted implement to ensure that the unit is not unbalanced.<br/>Also allow for the width when passing other road users.<br/>Where fitted, use the hazard lights provided.<br/>Strictly follow the local traffic regulations.</p> |
|---|---|

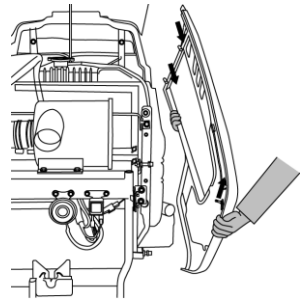
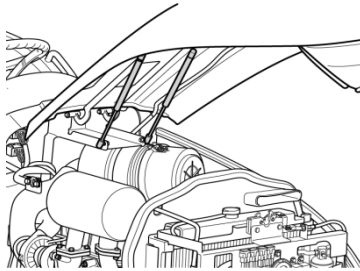
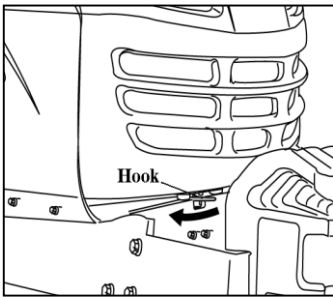
|   |   |
|---|---|
|  <p>Caution</p> | <p>When operating near others with an implement attached, take particular care to allow for the width of the implement and avoid accidents.</p> |
|---|---|

► **RECOMMENDED TRANSMISSION OIL**

① MAHINDRA UNIVERSAL TRACTOR FLUID

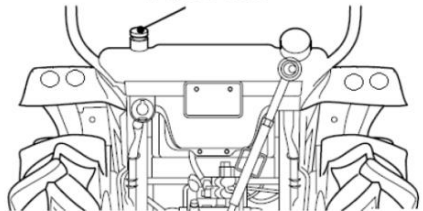
► **OPENING METHOD OF EACH COVER**

► **OPENING METHOD OF FAN COVER**



With the hood up ,the hook release lever can be removed by pull the hook.

Fuel Filler



► **FUEL**

Use clean diesel fuel only .



Important

As diesel fuel equipment is susceptible to contamination by dust or water, ensure that all dust and water is kept well away from the fuel tank.



Important

Always check the reason for a blown fuse otherwise the new fuse is also likely to blow.

**NEVER EVER USE WIRE** in a place of correct grade fuse.

► **SERVICE PRIOR TO DAILY AND SHORT TERM STORAGE.**

Wash the tractor and keep it clean.

Fill the tank to avoid condensation and rust.

Lower any attached implement to the ground before parking the tractor.

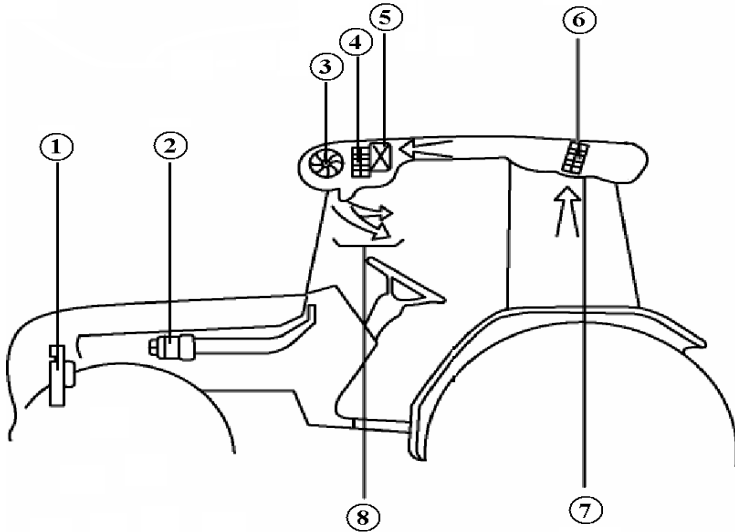
For long-term storage consult your dealer

## ► AIR CONDITIONING SYSTEM

The system is designed to ensure optimum temperature inside the cab and maximum comfort and safety for the operator.

However, it is advisable to consult our specialized workshops whenever repairs or adjustments need to be performed.

Do not approach the system with open flames, as any escape from the circuit may produce a lethal gas.



1. Alternator 2. Compressor 3. Speed fan 4. Electric resistance  
5. Evaporator 6. Air filter 7. Recirculation inlets 8. Pivotal air diffusers

### 1. Checking the air conditioning system.

① Economic friendly refrigerant : R134a 450g.

The presence of air and water in the system could jeopardize its efficiency.

-The air is uselessly compressed by the compressor and no cooling effect is produced.

-Moisture has a tendency to obstruct prevent cooling efficiency.

② Check belt tension; when finger pressure is applied to the mid-point between both pulleys.

③ Condenser fins must always be duly clean using water or an air set.

| SYMPTOM |  | CAUSE  | REMEDY  |
|---------|--|--|---|
| Engine  | White smoke from the exhaust                       | Oil level too high<br>Shortage of or faulty fuel   | Reduce to correct quantity<br>Contact dealer for repair   |
|         | Reduced performance of the engine                  | The injectors are clogged, carbon coated and sticking<br><br>Low compression<br>Leaking valve seat<br>Incorrect valve gap<br>Faulty timing<br>Fuel shortage<br><br>Clogged air cleaner | Contact dealer for repair<br><br>Contact dealer for repair<br>Contact dealer for repair<br>Contact dealer for repair<br>Fill the tank and check fuel quality<br>Clean the element |
|         | Oil warning light comes on with the engine running | Low oil level<br>Wrong oil<br>Faulty light or switch<br>Clogged oil filter   | Fill to correct level<br>Change to correct oil<br>Replace faulty part<br>Contact dealer for repair  |
|         | Alternator light comes on with the engine running  | Wiring fault<br>Faulty alternator<br>Low water level or faulty battery<br>Broken or loose fan belt   | Contact dealer for repair<br>Contact dealer for repair<br>Top off or replace<br><br>Replace or adjust   |

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