

# Mastercool Commander 4000 Oxygen Sensor Replacement Instructions

These instructions describe the recommended procedure for replacing the oxygen sensor on a Mastercool Commander 4000 recovery machine.

**Reference Video:** Mastercool Commander 4000 Oxygen Sensor Replacement Video

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## Recommended Replacement Items

- Oxygen Sensor
- Filter
- Sample Hose
- Replacement Sensor Part Number: 69 HVAC

## Tools Needed

- Small stubby ratchet
- 1/4-inch flathead driver bit
- #3 Phillips screwdriver
- Small #2 Phillips screwdriver

## Replacement Procedure

### ***1. Power Off the Machine***

Turn the Commander 4000 OFF. Disconnect power if desired for additional safety.

### ***2. Remove Tablet Cover Screws***

Using a Phillips screwdriver, remove the two screws located above the tablet.

### ***3. Open Tablet Cover***

Lift and open the tablet cover.

### ***4. Remove Black Tank Shield***

Remove the black shield covering the tank area.

### ***5. Access the Identifier Sensor***

Reach into the top-right corner and remove the round cover from the identifier sensor assembly.

### ***6. Disconnect Oxygen Sensor Wiring***

Disconnect the oxygen sensor wire connection from the cap connection. Do not pull directly on the wires.

### ***7. Remove Old Oxygen Sensor***

Using the stubby ratchet with the 1/4-inch flathead driver, loosen and remove the old oxygen sensor.

### ***8. Install New Oxygen Sensor***

Remove the protective tape from the new sensor. Install the sensor carefully and tighten gently. Do not overtighten.

### ***9. Reinstall Identifier Cap***

Fold the wires neatly into the identifier housing and reinstall the round cap.

### ***10. Reinstall Covers***

Replace the black tank cover, close the tablet cover, and reinstall the screws.

### ***11. Restart the Machine***

Power the machine back on. The identifier will automatically reset after sensor replacement.

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**Troubleshooting Tip:** If the identifier fault does not clear after replacement, restart the machine and verify the connector is fully seated and wires are not pinched.