



Meeting
Customer
Needs

Product Services Information

INSTALLATION INSTRUCTIONS

(Includes English, French, German, Spanish and Italian)

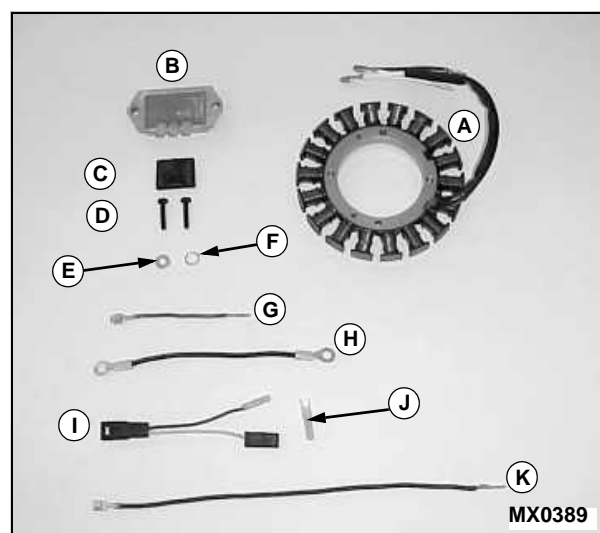
LT133, LT155 and LTR155 Lawn Tractors

15 AMP REGULATED CHARGING SYSTEM KIT

AM129737

PARTS IN KIT

| Qty | Description |
|-----|--|
| 1 | Stator (A) |
| 1 | Voltage Regulator (B) |
| 1 | 3-Slot Connector, Regulator (C) |
| 2 | Screws (D) |
| 1 | Washer, Flat (E) |
| 1 | Washer, Star (F) |
| 1 | Jumper, Charge Lead (Red) (G) |
| 1 | Jumper, Regulator Ground Lead (Black) (H) |
| 1 | Jumper, Headlight/Fuel Shutoff Lead (Yellow) (I) |
| 1 | Connector, Headlight (J) [Taped to (I)] |
| 1 | Jumper, Shunt Coil-to-Relay Lead [Brown with White Stripe] (K) |



RECOMMENDED TOOLS:

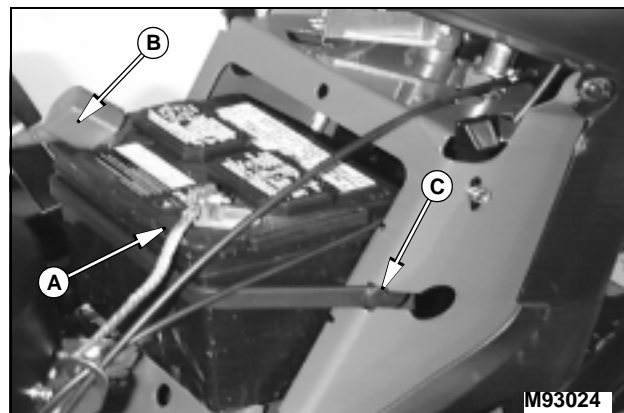
JDG140 Extractor Tool and JDG777 Extractor Tool are recommended for removal of terminals from connectors.

PREPARE TRACTOR



CAUTION: To avoid injury and damage to electrical components, always remove black negative (-) battery cable first.

1. Park tractor on level surface.
2. Turn ignition key off and lift hood.
3. Disconnect and remove black negative (-) battery cable (A).
4. Disconnect and remove red positive (+) battery cable (B).
5. Remove battery hold-down strap (C) and battery.



REPLACE STATOR

1. See Technical Manual (TM1695) Electrical Repair-LT133/LT155 section for STATOR AND IGNITION MODULE REMOVE/INSTALL.

Specifications:

- Ignition module air gap 0.25 mm (0.010-in.)
- Module caps screws ... 5.1 ± 1.1 N•m (45 \pm 10 lb-in.)
- Stator cap screws 4 N•m (35 lb-in.)
- Flywheel Nut..... 68 N•m (50 lb-ft)

NOTE: Do not connect new stator leads (D & E) at this time.

INSTALL VOLTAGE REGULATOR

1. Remove cover on left side above oil filter on engine blower housing.

- 15 hp engine - remove and retain two screws. Discard cover plate.
- 13 hp engine - Pry cover off with a screwdriver. Discard cover plate.

2. Install voltage regulator (F) and regulator ground lead jumper (G) where cover plate was removed:

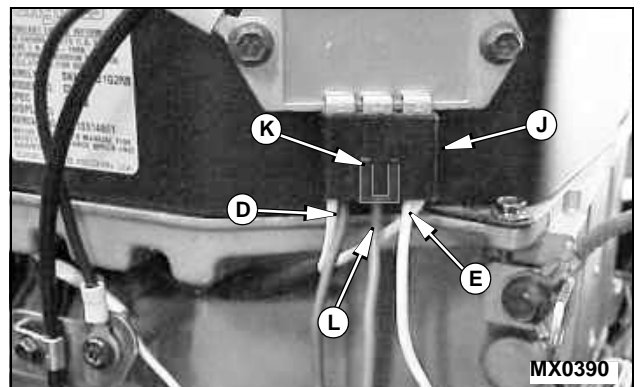
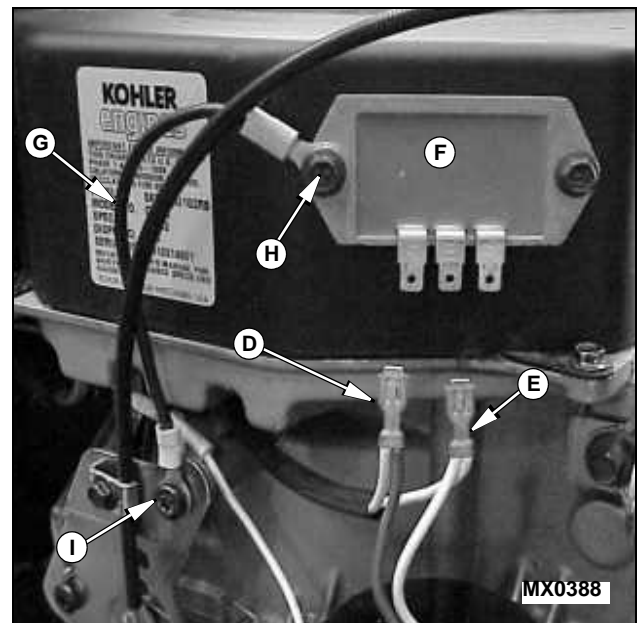
- 15 hp engine - Use two screws retained from cover plate in step #1. For LH screw - install **star washer** under head of screw, then jumper wire.
- 13 hp engine - Use two screws provided in kit. For LH screw - install **flat washer** under head of screw, then jumper wire.

3. Route the other end of the ground lead over the white engine kill wire as shown and fasten to the top right hand screw (I) of the throttle plate.

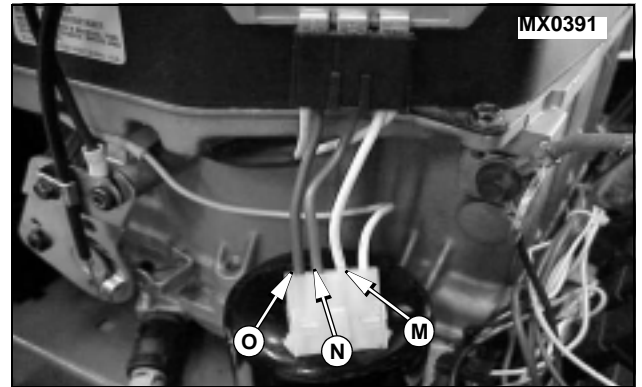
4. Connect leads to three-slot connector (J):

- Insert white/brown stator lead (D) in slot left of tab (K).
- Insert white/white stator lead (E) in slot right of tab (K).
- Insert charge lead jumper (L) in middle slot.

5. Install three-slot connector (K) onto voltage regulator terminals as shown.

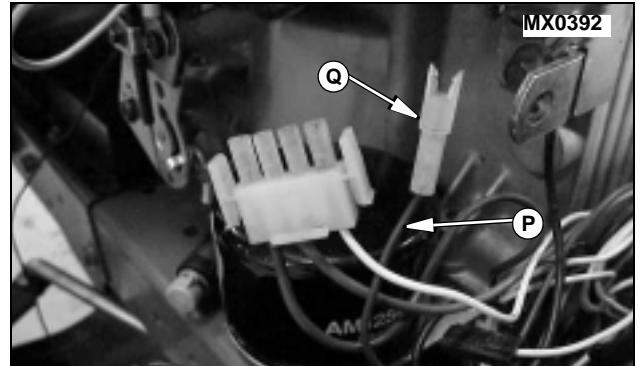


6. Connect voltage regulator wires to engine connector:
 - a. Connect white wire lead into slot (M) next to existing white wire.
 - b. Connect red wire lead into next slot (N).
 - c. Connect brown wire lead into remaining open slot (O).

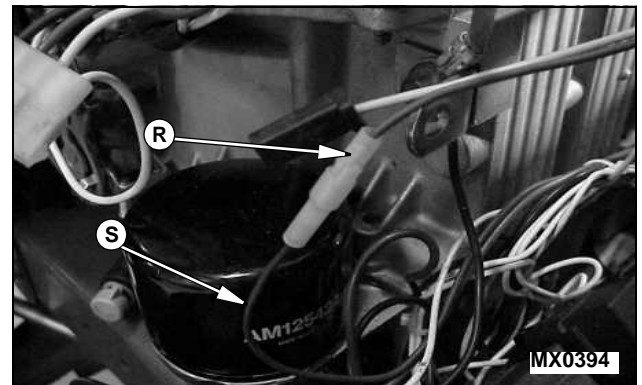


INSTALL JUMPER LEADS

1. Remove blue wire lead (P) from harness side of engine connector.
2. Install headlight connector (Q) onto blue wire.

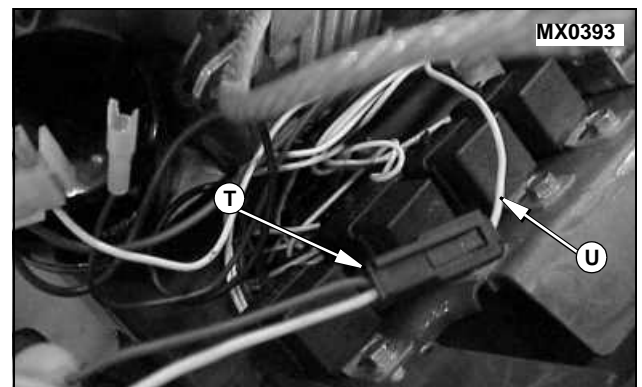


3. Connect blue wire lead from headlight/fuel shutoff jumper (R) to blue wire lead from engine harness (S).

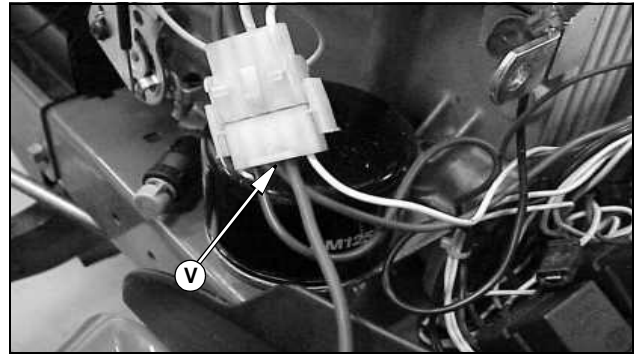


NOTE: *Not all tractors are equipped with a fuel shut off solenoid as it is a field installed optional kit.*

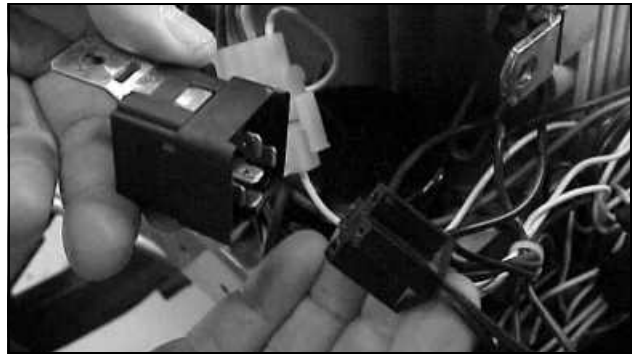
4. Connect headlight/fuel shutoff jumper (T) to yellow fuel shutoff solenoid lead from harness (U):
 - If a fuel shutoff solenoid is NOT installed, locate the shut off lead tucked into wire harness along relay area. The yellow lead on the jumper will remain available for a future fuel shutoff solenoid.
 - If fuel shutoff solenoid is installed, unplug wire from shutoff solenoid and plug it into jumper. Connect yellow wire from jumper into shutoff solenoid.



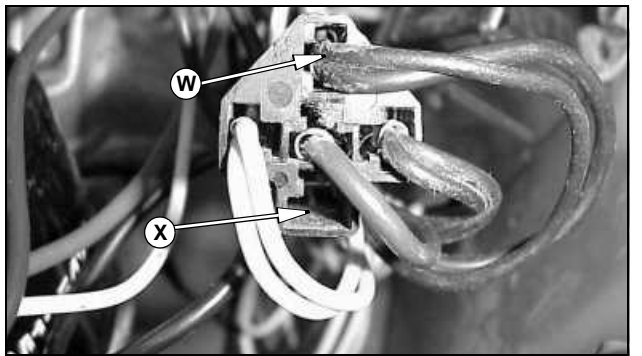
5. Install shunt coil-to-relay lead jumper (V) into slot where blue wire lead was located on the connector.
6. Connect two ends of engine connector together.



7. Identify the shunt relay in the bank of relays by following the brown wire lead from the harness side of the engine back to its connected relay.
8. Remove the shunt relay.
9. Disconnect wire plug.



10. Remove black wire lead (W) located in slot opposite empty slot (X).
11. Tape off terminal end of black wire.
12. Install other end of shunt coil-to-relay lead jumper into plug slot where black wire lead was just removed.
13. Connect wire plug back into shunt relay and mount relay back onto tractor frame.
14. Route new wires along existing relay wires and secure with tie straps if necessary.



CONNECT BATTERY

1. Install battery and secure with battery hold-down strap (C).
2. Connect red positive (+) battery cable (A). Check for a good clean, tight connection. Make sure rubber boot is properly installed over the red (+) battery cable connection.
3. Connect black negative (-) battery cable (B). Check for a good clean, tight connection.
4. Close hood.

