



M-11000-B51/MT164 Ford Racing Starter INSTALLATION INSTRUCTIONS

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!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING TECHLINE AT 1-800-367-3788 !!!

The following instructions are for the installation of either the M-11000-B51/MT164 Ford Racing starters and should be followed exactly.

!!! WARNING: DO NOT INSTALL A JUMPER WIRE BETWEEN THE BATTERY TERMINAL AND THE SOLENOID BLADE TERMINAL AT THE STARTER TO AVOID THE USE OF THE # 12 WIRE. IF DONE, VOLTAGE IS GENERATED TO THE SOLENOID BY THE STARTER SPINNING AFTER THE RELEASE OF THE START KEY OR BUTTON, CAUSING THE STARTER TO REMAIN ENGAGED, RESULTING IN SEVERE DAMAGE AND EVENTUAL FAILURE OF THE STARTER !!!

The installation should take 1-3 hours and requires the use of a floor jack and jack stands.

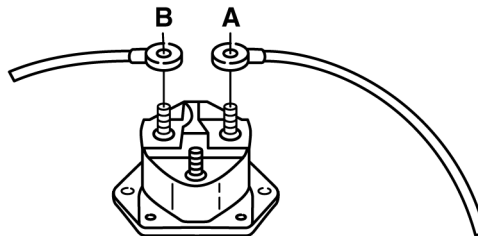
!!! CAUTION: JACKSTANDS MUST BE USED ON A LEVEL SURFACE AND SECURELY SEATED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE !!!

INSTALLATION INSTRUCTIONS:

!!! PERFORM THE FOLLOWING WORK ON A COLD VEHICLE ONLY !!!

- STEP 1:** Disconnect negative (-) battery cable from battery.
- STEP 2:** Remove starter relay cover by removing the two (2) plastic pushpins (Mustang).
- STEP 3:** Remove nut from "A" post of the starter relay and remove starter to relay cable. (Figure 1) After the cable is removed, route it through the engine compartment so that it can be removed from underneath.

FIGURE 1



Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



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- STEP 4:** Raise the front of the vehicle with a floor jack and support it with jack stands.
- STEP 5:** Remove the nuts that retain the two (2) starter cable mounting brackets to the engine.
- STEP 6:** With the starter supported, remove the starter mounting bolts.
- STEP 7:** Remove the electrical connections from the starter.
- STEP 8:** Remove the starter from the vehicle.
- STEP 9:** Install new cable (provided) onto the cable mounting bracket and secure with the nuts removed in step 5.
NOTE: The driver side mounting bracket is also the battery ground mounting position. Make sure that the battery ground cable is installed prior to tightening the nut.

NOTE: THE STARTER MUST BE SUPPORTED FOR STEPS 10 – 13 TO PREVENT DAMAGE TO THE CABLES.

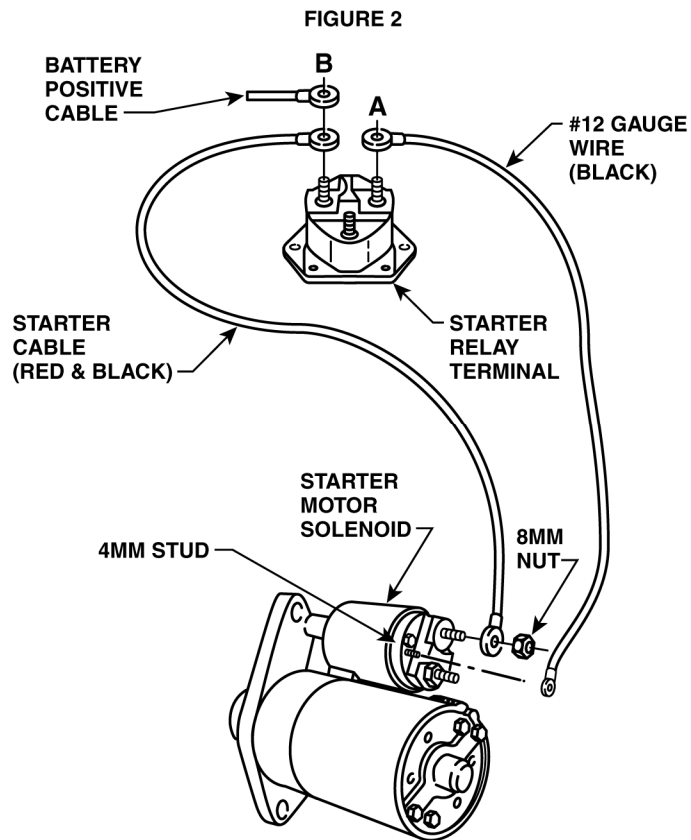
- STEP 10:** Fasten the large wire ring lug connector to the starter using an 8mm nut (provided).
DO NOT OVERTIGHTEN. (see figure 2)
- STEP 11:** Fasten the small wire ring lug connector to the starter using a 6mm-1.00 nut (provided).
DO NOT OVERTIGHTEN. (see figure 2)
- STEP 12:** Carefully place the starter into position. **WARNING: MAKE SURE THAT THE ELECTRICAL CONNECTORS AND STARTER CABLE DO NOT GET PINCHED OR COME INTO CONTACT WITH ANY METAL SURFACES.**
- STEP 13:** Re-install starter mounting bolts and torque to 15-20 Ft. Lbs.
- STEP 14:** Tie wrap the starter cable out of the way of the damper and route it through the engine compartment to the starter relay terminal.
- STEP 15:** Remove the jack stands and lower the vehicle.
- STEP 16:** Connect the starter cable (large black cable with red ends) to the "B" post of the starter relay (Figure 2)
DO NOT OVERTIGHTEN.

NOTE: The "B" post of the starter relay should also have the battery cable attached to it.

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STEP 17: Connect the #12 gauge wire (black) to the "A" post of the starter relay. (Figure 2) DO NOT OVERTIGHTEN.



STEP 18: Re-connect battery cable to battery.

STEP 19: Test starter.