Keyless Start Module M891

Master FOB

Driver FOBs

Factory Pre-Programmed Keyless Start Module
- All Keyless Start Modules are pre-programmed at the factory using a Master Code and three (3) Driver Codes.
- Each module is shipped with three (3) driver fobs only.
- The Master Fob is sold separately and for security reasons, may only be sold to a truck owner or a Truck Fleet Manager.

Operation
Once installation is complete and all connections are secure, push the Start Switch on the front of the module.
1. The Green LED built into the switch should illuminate indicating the module is ready for normal operations.
   A. If the Green LED does not illuminate
      1. Check the ground connection
      2. Check the fuse in the truck's wiring system
      3. Check that +12 VDC is present
      4. ***There are NO serviceable parts inside the Keyless Start Module. Please DO NOT open it.**

Once the module is ready for normal operations
1. Present a Driver Fob to the antenna symbol (RFID Target) on the front of the module.
   A. The module should beep
   B. The Red LED on the Stop Switch should illuminate
   C. The Green LED on the Start Switch should illuminate
   D. The Run Indicator LED should illuminate
   E. The Valid ID Indicator LED should illuminate

2. If ALL indicator LEDs are ON
   A. Push the Start Switch, which should engage the engine's starter motor
   B. The engine should Start and continue to Run after releasing the Start Switch
   C. The Glow Plugs may have to warm up on diesel engines before starting the engine.
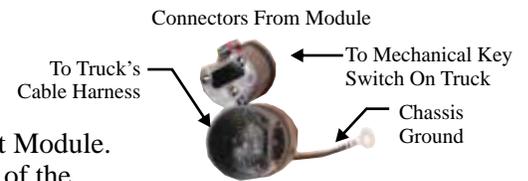
Keyless Start Module - M891

Connectors From Module

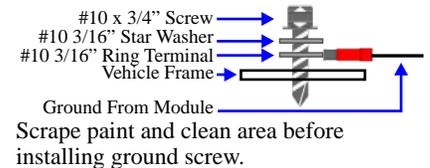To Truck's Cable Harness → To Mechanical Key Switch On Truck

Chassis Ground

Installing the Keyless Start Module
1. Insert the module into the slot provide in the dashboard of the vehicle.
2. Disconnect the truck's cable harness from the mechanical key switch.
3. Plug the truck's cable harness into the mating socket from the Keyless Start Module.
4. Plug the remaining connector from the Keyless Start Module into the back of the mechanical key switch.
    A.   Verify the latch on both connectors is properly positioned.
5. Locate the 5 foot Black Ground wire on the module.
    A. Attach the ground wire to the truck chassis.
    B. The surface area must be free of paint and/or any corrosion.
    C. Use a Star Washer and Bolt to secure the ring terminal in place.
** Warning: A loose chassis ground connection WILL cause faulty or intermittent operation.

Chassis Ground

#10 x 3/4" Screw
#10 3/16" Star Washer
#10 3/16" Ring Terminal
Vehicle Frame
Ground From Module
Scrape paint and clean area before installing ground screw.

Enrolling the Code from an Additional Fob
1. Present and hold the Master (white) Fob to the antenna symbol (RFID Target) on the front of the module until the module starts to beep.
    A. There will be five short beeps within a 2 or 3 second time frame.
    B. This is followed by about ten (10) seconds of short clicking sounds.
    C. This is followed by a steady five (5) second tone.
2. As soon as the five-second tone starts
    A. Remove the Master Fob from the antenna symbol
    B. Replace it with the new Driver Fob to be enrolled into the module.
    C. The module will store the code from the new Fob during this five-second tone.
3. If the new Fob has been successfully enrolled
    A. You will hear a series of short beeps after the 5-second tone has stopped.
    B. Remove the new Fob from the antenna symbol
    C. Wait approximately ten (10) seconds and push the Stop Switch.
    D. Re-present the new Fob to the antenna; the module should now recognize the new Fob.
4. Repeat steps 1 - 3 for each new Fob to be enrolled into the Keyless Start Module.

- The Keyless Start Module's memory can hold the codes of approximately ten (10) Driver Fobs.
- Once 10 codes have been stored into memory, the module cannot accept any additional codes.
- To add different codes to the Keyless Start Module memory, ALL codes must first be erased using the Master Fob and **ALL** driver / maintenance Fobs must be re-enrolled.
- To erase ALL driver fob codes from the module's memory follow the steps for **Clearing ALL Driver Codes from the Keyless Start Module**

Clearing ALL Driver Codes from the Keyless Start Module
1. Present and hold the Master (white) Fob to the antenna symbol (RFID Target) on the front of the module until the module starts to beep.
    A. There will be five short beeps within a 2 or 3 second time frame.
    B. This is followed by about ten (10) seconds of short clicking sounds.
    C. This is followed by a steady five (5) second tone.
    D. This is followed by a series of short beeps.
 After the last series of beeps are heard the module has been completely erased, of all codes EXCEPT for the master code. For security reasons the master code can only be erased at the factory.
2. Remove the master fob from the antenna symbol (RFID Target)
3. To enroll the new driver fob codes into the module's memory follow the steps for **Enrolling the Code from an Additional Fob**