

## TOOLS NEEDED:

1. 10mm hex socket or wrench
2. A rag or paper towel

It is *HIGHLY RECOMMENDED* that you get the Quantum Solenoid professionally installed.

**FOR OFF-ROAD USE ONLY\***

## WARNING:

**BEFORE YOU BEGIN THE INSTALLATION PROCESS, CHECK TO MAKE SURE YOU HAVE THE CORRECT MODEL FOR YOUR VEHICLE.**

## I. REMOVING THE OEM SOLENOID



1. **This is a difficult install even for the seasoned mechanic, proceed at your own risk.**
2. Before you start, please remove the negative terminal lead on the car battery. (10mm wrench)
3. Disconnect the plug (B) at the base of the OEM solenoid (A) by pushing and holding down the center tab (B) with your thumb and pulling it out.
4. Once the plug is disconnected, you are now ready to remove the solenoid. We recommend using a dirty rag or a paper towel to absorb the oil that you will encounter as you extract the OEM solenoid.
5. To have enough space to get your hands in to the tight spot, you must remove the 10mm bolt (D) to move the wire out of the way.

6. Locate the 10mm hex bolt (C) holding the OEM Solenoid in place. Using a 10mm hex socket or wrench, loosen the bolt and use your fingers to remove the bolt and washer. **[DO NOT DROP THE BOLT AND WASHER]** Once removed, put it in a safe place to finish installing the Quantum Solenoid.
7. Remove the OEM solenoid by twisting it slightly and pulling it straight out. It can get difficult to remove the solenoid in the tight space, so make sure you have the patience and know what you are doing. Once removed, put it inside the anti-static bag.

## II. INSTALLING THE QUANTUM SOLENOID



1. Remove the Quantum Solenoid from the packaging and make sure to lubricate the O-Ring with some engine oil.

2. **Align the Quantum Solenoid with the opening and make sure you slide it in carefully. Apply moderate force and slight twisting motion to make sure the unit is securely and completely installed.**
3. **Align the bracket hole and reinstall the OEM bolt (C) by using your fingers first to prevent cross-threading and finish off with a 10mm hex socket or wrench until snug. **DO NOT OVER TIGHTEN!****
4. **Use the included adapter making sure to connect side (E) to Quantum Solenoid and side (F) to the vehicle plug (B). You should hear a click, but if not, make sure the plugs do not come apart under a bit of force.**
5. **Reinstall the wire using 10mm bolt (D) in step 5 of the “Removing the Solenoid”.**
6. **Reconnect the negative terminal lead for the battery.**

### **III. PRIMING THE QUANTUM SOLENOID**

1. **You MUST now prime the QUANTUM SOLENOID.**
2. **Turn on the vehicle and make sure the car is in PARK (P) and the parking brake is engaged.**
3. **Let the engine idle for 1 minute. Go ahead and step on the accelerator and keep the engine at about 2,000 RPM for about 15 seconds, then 3,000 RPM for about 15 seconds.**
  - **If a “CHECK ENGINE” light is triggered, shut off the vehicle and double check to see if the solenoid was installed correctly. Also, double check to see if the plug was reconnected correctly.**
  - **If after making sure that Quantum Solenoid is correctly installed (you must disconnect the negative terminal lead of the battery for at least 30 seconds for the “CHECK ENGINE” light to clear.) and still have a “CHECK ENGINE” light, after restarting the engine multiple times, please go ahead and reinstall the OEM solenoid, prime the OEM Solenoid and contact us for help.**
4. **After the engine priming cycle, check the solenoid install point to make sure there is no oil leak.**
5. **Congratulations! You have successfully installed the Quantum Solenoid.**

**WE HIGHLY RECOMMEND THAT AN OIL CHANGE ACCOMPANY THE INSTALLATION OF QUANTUM SOLENOID**

\* All performance modifications and installations are at the customers own risk. Quantum Solenoid and its affiliates hold no responsibility either implied or otherwise for mechanical, electrical or other failure when using any aftermarket performance products. Items sold for off-road use only are illegal in many states and provinces and are intended for racing vehicles which may never be used on public roads. By purchasing any aftermarket performance product, the customer takes full responsibility for any use, and/or misuse of the product and agrees that Quantum Solenoid and its affiliates hold no responsibility for any consequences, legal, or other, of such use and/or misuse.