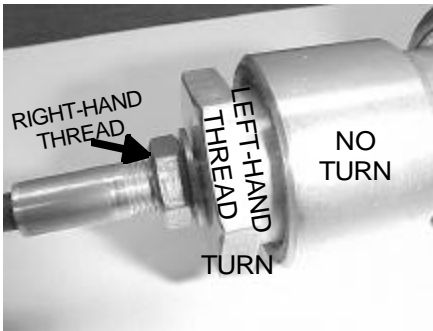
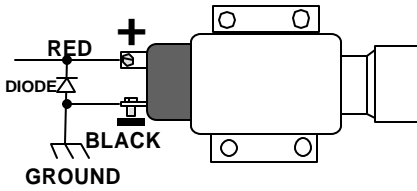


Removing the Cable on a PennTex High Idle Solenoid

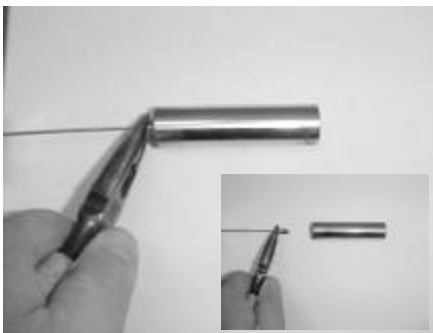
SOLENOID / CABLE ASSEMBLY



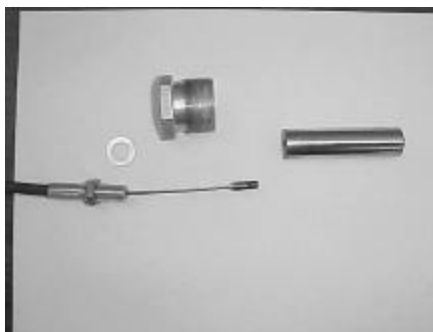
Disconnect the batteries on the vehicle to prevent any accidental electrical damage. When removing the cable and solenoid from the vehicle, note the locations of the wires on the back of the solenoid. The Red wire goes to the positive terminal and the Black wire goes to the negative terminal. The diode stripe goes towards the red wire. Note the location of lock washers and flat washers on the cable. No lock washer is used at the solenoid as in this photo. To remove the large adjuster nut from the solenoid, hold the adjuster nut, and turn the solenoid **CLOCKWISE** until the solenoid separates from the adjuster nut (this is a **LEFT-HAND** thread). **NOTE:** Do not allow the aluminum sleeve crimped to the solenoid housing to turn.



With the solenoid removed from the adjuster nut, the solenoid plunger is visible. The cable is attached to the plunger with a standard-thread stud crimped to the end of the cable. Loctite 290 Threadlocker has been used to secure the stud into the plunger. **NOTE:** if doing more than one cable replacement at a time, be sure to reinstall the same large adjuster nut back in the solenoid it originally came from. Machining tolerances can vary and matched assemblies must be used.



To remove the stud from the plunger, grip the stud with a pair of pliers, and turn the plunger counter-clockwise to remove the plunger from the stud/cable. Sometimes, it might be necessary to apply heat to the plunger with a low-temperature heat gun to loosen the bond of the Threadlocker. To aid in removal of the stud, the plunger can be clamped in a vise, as long as the plunger is wrapped in protective material, and the vise isn't overtightened. Severe damage to the surface of the plunger can result from vice jaws that are not protected. The stud can then be removed from the plunger by turning the stud/cable.



To finish removing the cable, unscrew the large adjusting nut from the cable. Note that one flat-washer is used between the cable lock nut and the adjuster nut. No lock washer is used. See "Installing the Cable on a PennTex High Idle Solenoid" instructions for reassembly.