

# Instruction Sheet

## IPR Connector Pigtail Kit



1171887R1

### Kit Contents

Description	Quantity
IPR Pigtail Connector Assembly (Kit)	1
Instruction Sheet	1

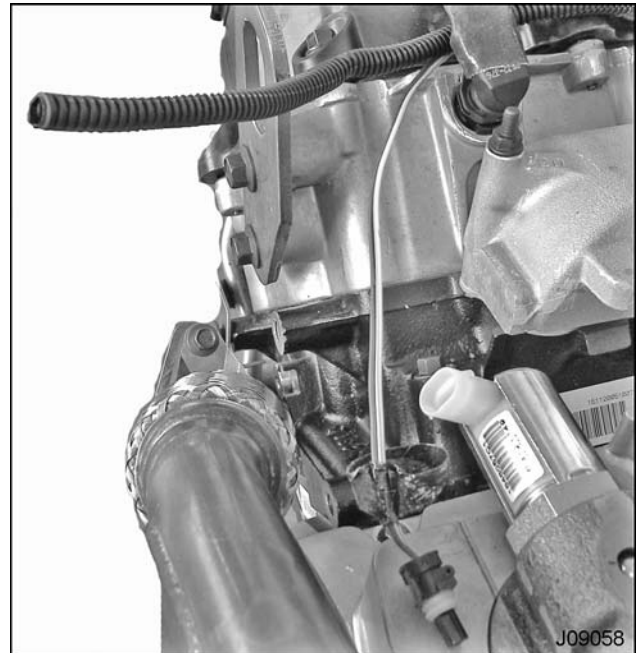
### Procedure

**! WARNING:** Read and understand all safety instructions in the "Safety Information" section of the service manual for this engine.

**! WARNING:** To prevent personal injury or possible death, make sure the transmission is in neutral or park, parking brake is set, and wheels are blocked before doing diagnostic or service procedures on engine or vehicle.

**CAUTION:** To prevent engine damage, turn ignition switch to OFF before unplugging connectors. Failure to turn ignition switch to OFF will cause a voltage spike and damage to electrical components.

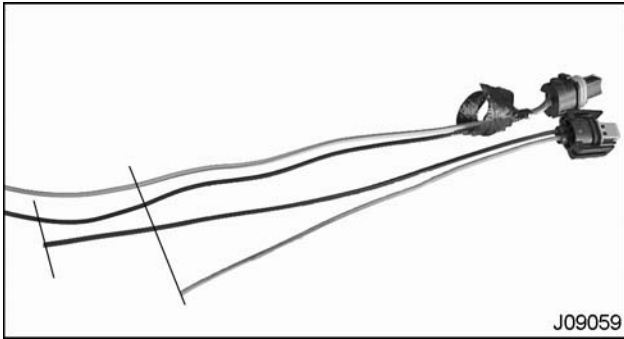
1. If corrosion is found on the IPR valve terminal, replace the IPR valve.



**Figure 1** Plastic convoluted tubing

2. Pull the plastic convoluted tubing wrapped around the IPR valve wiring harness back as far as possible.

**NOTE:** The individual pigtail wire lengths are different to offset the splice locations.



**Figure 2 IPR wire harness cut location**

**NOTE:** This is a two-wire connector, wire colors should be matched if applicable, matching the two final cut lengths will be satisfactory.

3. Lay the new pigtail next to the IPR wire harness. Cut the IPR wires where the new pigtail wire insulation ends.
  4. Remove approximately 1/4 inch of wire insulation from each of the four wire ends (2 wire ends and 2 pigtail ends).
- NOTE:** The heat shrink tubing must be far enough away from the solder point so the heat of soldering will not affect the heat shrink tubing.
5. Slip heat shrink tubing down each of the pigtail wires.
  6. Match the harness wire lengths. Slide wire harness wire and pigtail wire in splice clip.
  7. Crimp splice clip to each wire.
  8. Add solder to each end of each splice clip to ensure a solid connection. Allow sufficient time for splice clips to cool.
  9. After splice clips are cool to the touch, slide each heat shrink tube down over each splice clip.
  10. Heat the heat shrink tubes until the tubes have reduced in size forming a snug fit over each splice clip and wire.
  11. Replace the plastic convoluted tubing over the wire harness.
  12. Replace the wire harness heat reflective shield using IPR Heat Shield Service Kit.