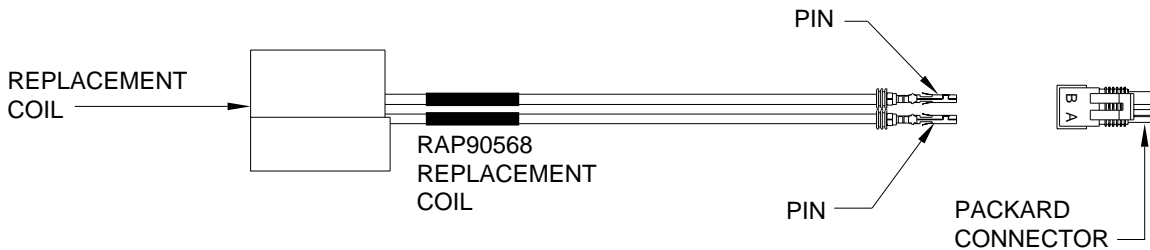
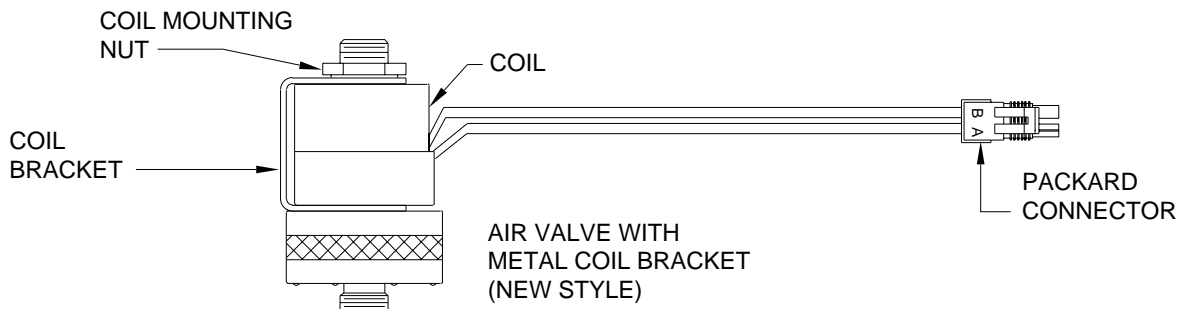
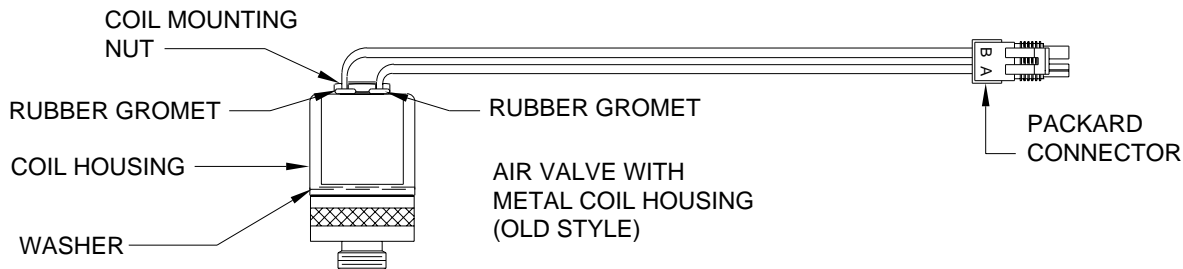


# RAP18976 REPLACEMENT INSTRUCTION SHEET

## AP1940 12 VOLT AIR SOLENOID VALVE

**CAUTION:** DO NOT CRAWL UNDER THE VEHICLE WHILE THE VEHICLE IS SUPPORTED BY HWH HYDRAULIC LEVELING JACKS OR THE VEHICLE SUPSENSION AIR BAGS. THE VEHICLE MAY MOVE FORWARD OR BACKWARD, OR DROP SUDDENLY CAUSING INJURY OR DEATH.



The RAP90568 replacement coil is supplied with the 2-pin Packard connector loose. The pins must be inserted into the Packard connector AFTER the coil has been installed. Either wire can be inserted into the A or B side of the connector. Pull gently on the wires after inserting the pins to insure the pins are properly seated in the Packard connector.

**NOTE:** The air valve does not have to be removed to replace the coil.

**NEW STYLE AIR VALVE:** When replacing the coil for a new style air valve, loosen and remove the coil mounting nut. Remove the coil bracket and coil. Install the new coil using the existing coil bracket. Replace and tighten the coil mounting nut. Insert the pins into the Packard connector. Plug in the valve and test the system.

**OLD STYLE AIR VALVE:** When replacing the coil for an old style air valve, loosen and remove the coil mounting nut. Remove the coil housing and coil. Leave the washer on the valve, it must be reused. Remove the coil from the housing. Remove the two rubber gromets from the housing. Insert the two coil wires through the holes in the housing and insert the coil into the housing. Place the coil housing and coil back onto the valve. Replace and tighten the coil mounting nut. Insert the pins into the Packard connector. Plug in the valve and test the system.

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# INSTALLATION INSTRUCTIONS FOR REPLACEMENT PARTS WITH 2-WIRE PACKARD CONNECTORS WITH AP1403 ADAPTER WIRE

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1. IF REPLACING A COMPONENT THAT HAS A 2-PIN PACKARD TOWER DISREGARD THE ADAPTOR. IT IS NOT NEEDED.
2. IF THE EXISTING COMPONENT USES A 1-PIN PACKARD TOWER TO CONNECT TO THE HARNESS, USE THE ADAPTOR AS SHOWN AND RECONNECT THE COMPONENT THE SAME AS THE ORIGINAL. MAKE SURE THE MOUNTING SURFACE FOR THE RING TERMINAL IS A SOLID, CLEAN GROUND. THE FRAME OF THE COACH IS THE BEST GROUNDING SURFACE. USE A STAR WASHER BETWEEN THE RING TERMINAL AND THE MOUNTING SURFACE. SEE ILLUSTRATION BELOW.
3. IF THE EXISTING COMPONENT DOES NOT HAVE A PACKARD TOWER USE THE ADAPTOR AS SHOWN BELOW, EXCEPT CUT THE PACKARD TOWER OFF. SPLICE THE ADAPTOR WIRE TO THE EXISTING HARNESS WITH SOLDER, AND THEN SHRINK TUBE THE SPLICE. CONNECT THE RING TERMINAL OF THE WHITE WIRE TO A SOLID, CLEAN GROUND LIKE THE FRAME AS SHOWN BELOW.

