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TRANSMISSION PARTS

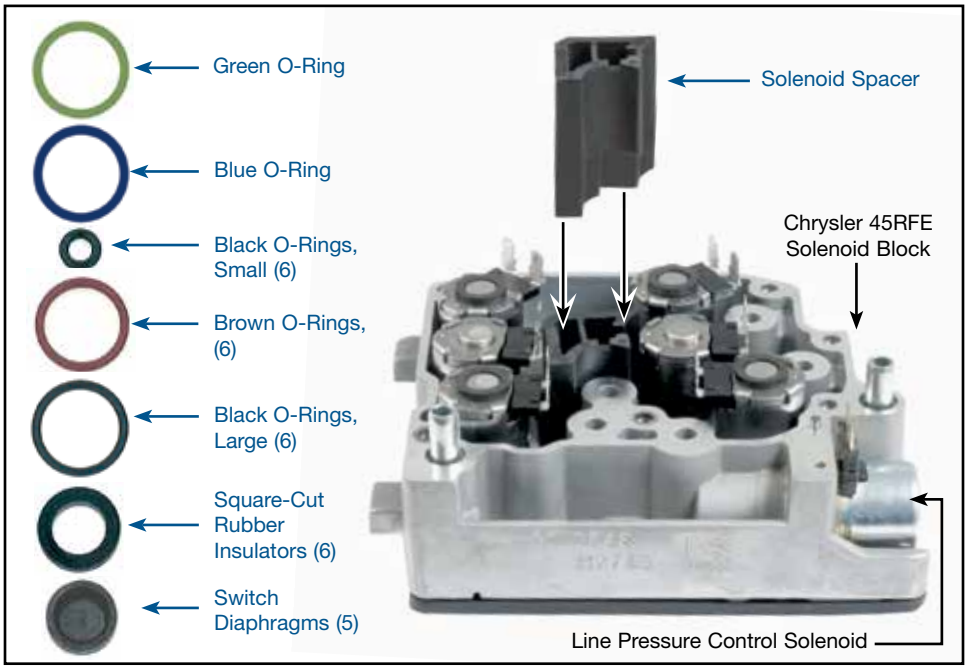
Instructions

Chrysler 45RFE, 545RFE, 65RFE, 66RFE, 68RFE

Solenoid Repair & Spacer Kit

Part No. 44836-01K

- Solenoid Spacer
- Green O-Ring
- Blue O-Ring
- Black O-Rings (6) Small
- Brown O-Rings (6)
- Black O-Rings (6) Large
- Square-Cut Rubber Insulators (6)
- Switch Diaphragms (5)



NOTES AND CAUTIONS: Care needs to be taken to ensure that there are no misplaced solenoids when working on these units. Chrysler uses two different solenoid designs housed inside of this solenoid assembly. These are:

- NV (Four Normally Vented Solenoids)
- NA (Two Normally Applied Solenoids)

Always note and mark the locations of all the solenoids during disassembly to ensure they are reinstalled into their original locations when servicing.

1. Disassembly

a. Remove the solenoid screen plate from the bottom of the solenoid/switch assembly.

NOTE: Take care not to damage the seal between the plastic screen and the aluminum casting.

b. Using a Torx® T20 bit, remove the seven retainer screws from the top metal spring retainer plate of the solenoid assembly. There are six long silver screws and one short black screw. With the plate removed from the solenoid assembly there will be five pressure switch release springs which will need to be set aside for reassembly.

c. Remove the plastic solenoid/switch conductor plate from the top of the solenoid assembly. Take care when lifting this solenoid/switch conductor plate from the aluminum housing not to crack this fragile plastic plate. Typically the solenoids will remain in the aluminum housing during this disassembly, and it is recommended they be removed one at a time during the assembly process to ensure they are installed in their proper locations.

IMPORTANT: Do not mix up the solenoids.

CARE NOTE: There are six steel torque tubes installed into the plastic plate's screw holes to prevent overtorque from the six silver retaining screws. Don't lose them, as they will need to be installed into the conductor plate for assembly.

1. Disassembly (continued)

d. Remove the five pressure switch caps, diaphragms and switch pistons from the solenoid/switch conductor plate assembly.

e. Ensure that the five brass pressure switch pistons and piston seat areas in the conductor plate are flat and clean for assembly.

IMPORTANT: Keep all parts clean for reassembly.

Figure 1

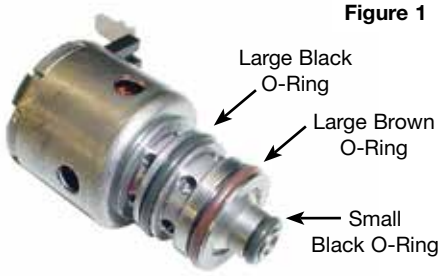
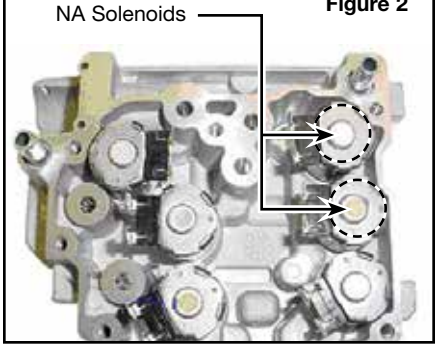


Figure 2



2. Installation & Assembly

a. Replace the three OE O-rings on each of the six solenoids with Sonnax O-rings. The brown ring will go between the two black rings (**Figure 1**).

b. Using assembly gel, lube the O-rings on the solenoids for assembly. Install the six solenoids into the housing. Pay close attention that you install the two NA (normally applied) solenoids in the locations marked (**Figure 2**).

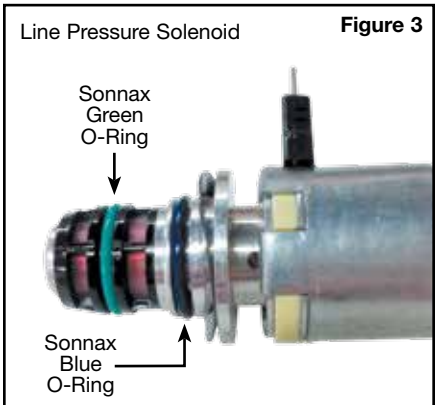
c. Remove line pressure solenoid (**main photo**). Replace the two line pressure solenoid O-rings using one green and one blue Sonnax O-ring (**Figure 3**).

d. Install the six Sonnax square-cut rubber insulators on top of each of the control solenoids and secure with assembly gel.

e. Install the Sonnax solenoid spacer in the solenoid housing (**main photo**).

NOTE: If there are any burrs on the mating surfaces of the plastic spacer, make sure to sand or file flat before installation.

Figure 3



f. Install the five OE brass switch pistons into the conductor plate housing with spring hole down (**Figure 4**).

g. Install the five Sonnax switch dia-phragms with the roll lip flat side on the top of the brass contact, the lip facing up (**Figure 5**).

h. Install the five OE steel covers over each of the switch towers and secure with assembly gel.

i. Carefully install the OE conductor plate over the dowel pins of the housing and ensure each of the solenoid flat spade contacts are secure in position (**Figure 6**).

j. With conductor plate installed onto the solenoid housing, install the five OE pressure switch springs into each of the contact piston cups (**Figure 7**).

Figure 4

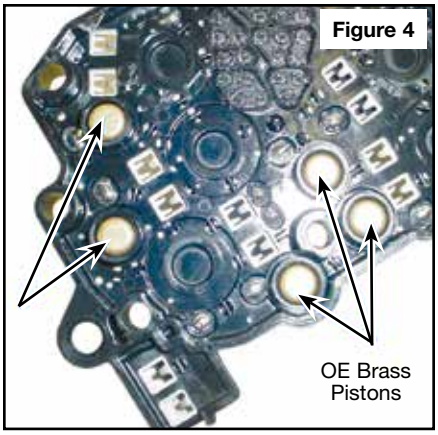


Figure 5

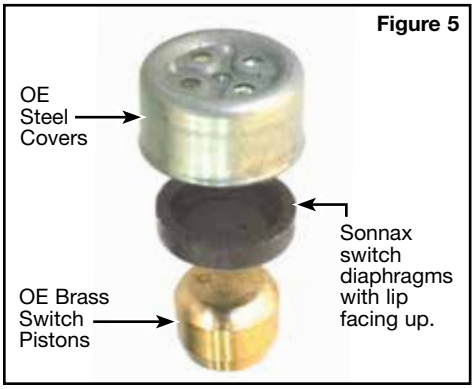


Figure 6

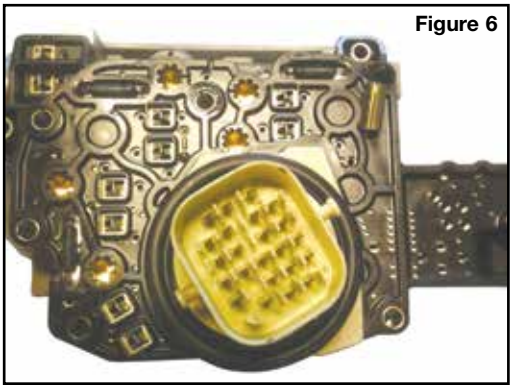
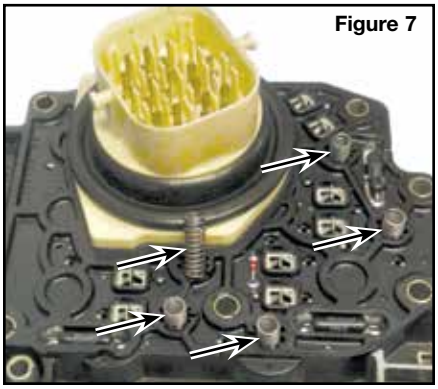


Figure 7



2. Installation & Assembly (continued)

k. Install the six OE retaining screw spacers into the plastic housing for assembly of the cover plate.

l. Install the OE cover plate and be careful not to damage the temperature sensor at location shown (**Figure 8**).

m. Install one black and six silver OE retaining screws and hand-tighten. Use caution to avoid stripping out the plastic with the black retaining screw. Final torque: 50 in-lbs (**Figure 9**).

n. Install the OE base solenoid filter/screen plate to the bottom of housing (**Figure 10**).

Figure 8

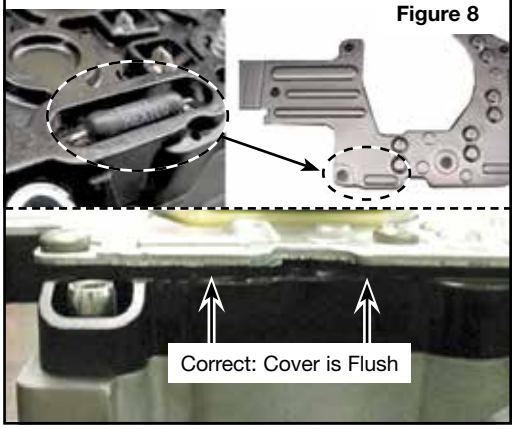


Figure 9

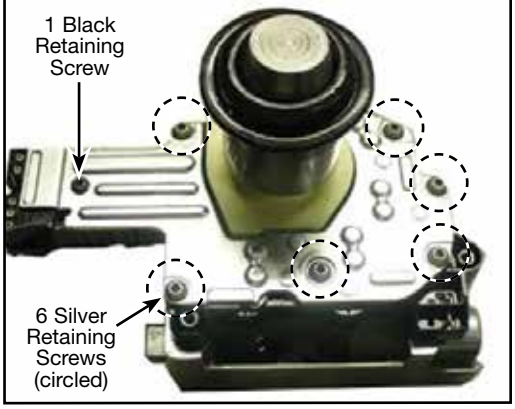


Figure 10