

AS69RC Remanufactured Valve Body

Part No.

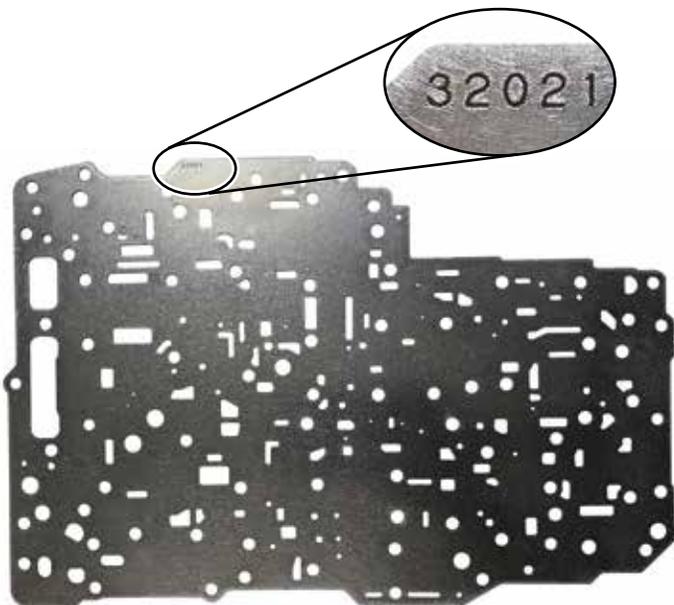
AS69RC01 Fits '13-'18

AS69RC19 Fits '19-Later

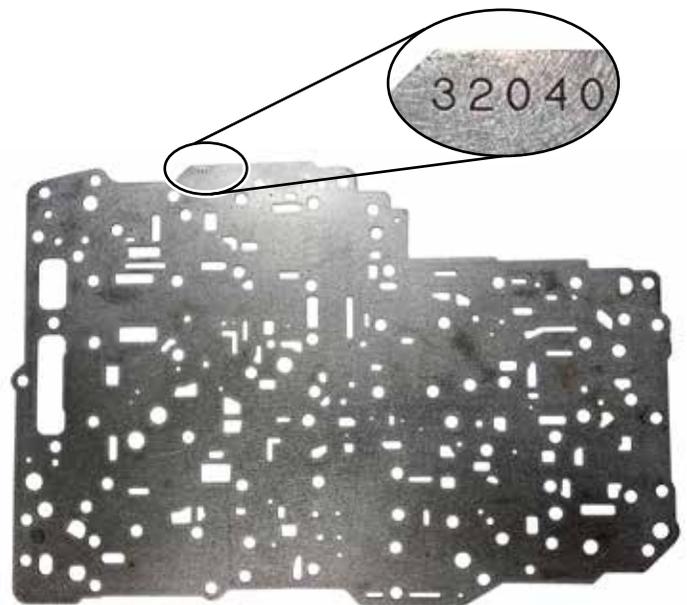
NOTE: Identification number on valve body (circled) should match identification number on separator plate.



1. Separator Plate Identification



AS69RC01 Separator Plate ID No.: 32021
'13-'18



AS69RC19 Separator Plate ID No.: 32040
'19-Later

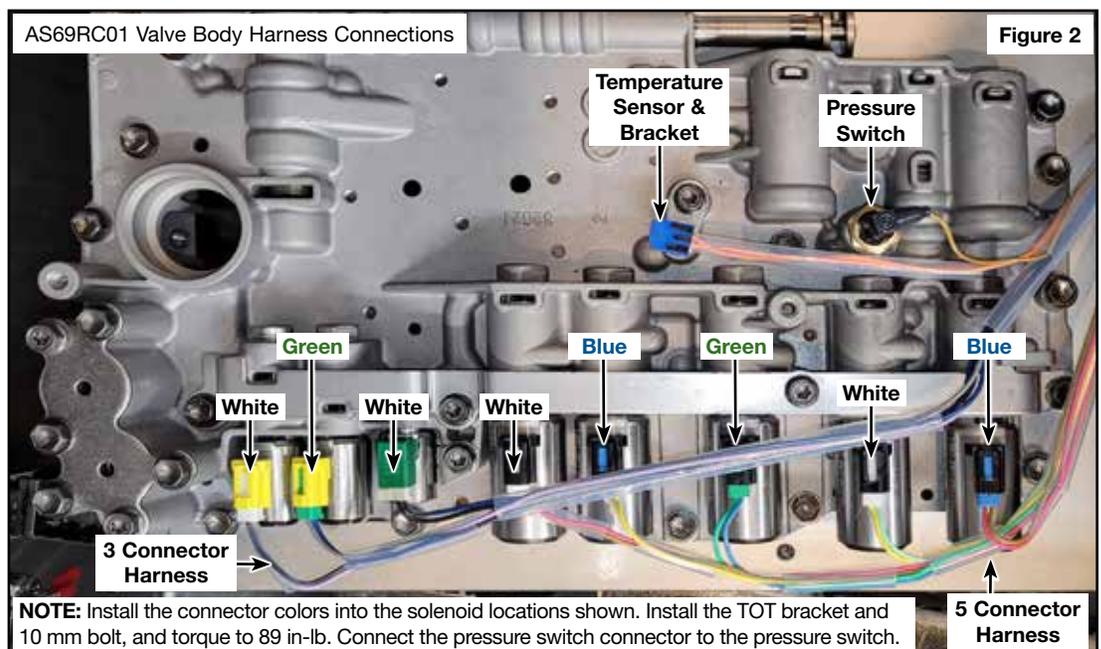
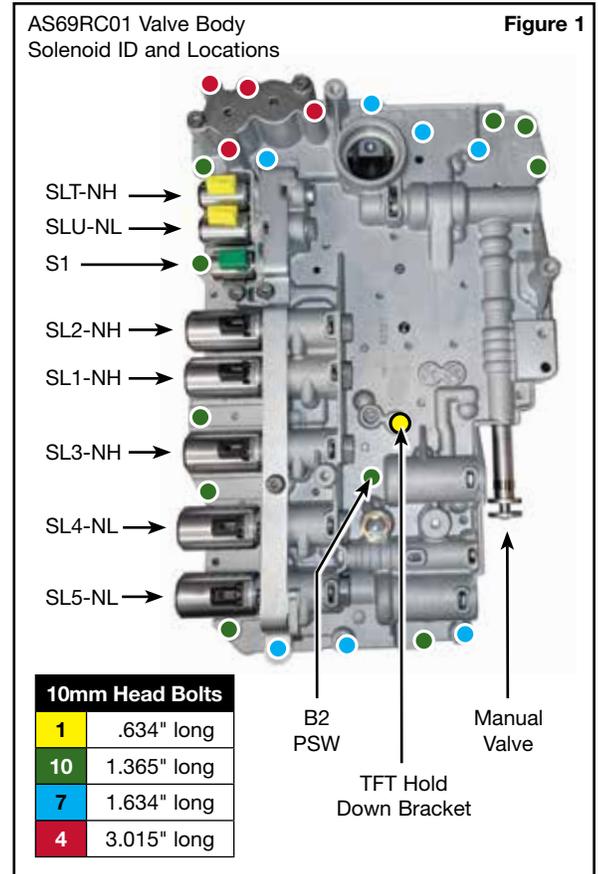
2. Valve Body Installation Tips

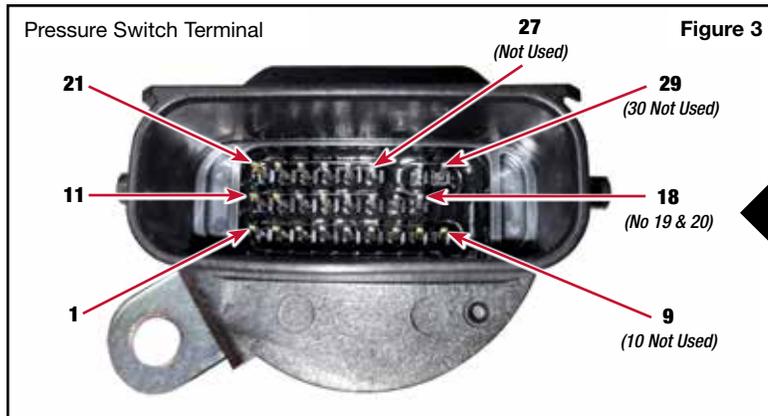
This remanufactured valve body comes rebuilt with individually tested solenoids (Figure 1).

- Install the valve body assembly onto the transmission case while aligning the manual valve into the rooster comb.
- Install all 22 valve body bolts (finger tight) into the locations noted until all the bolts have been installed (Figure 1).
- Once all the bolts have all been installed, torque them to 88 in-lb.
- Install the detent lever, backing plate and retaining bolt and torque to 88 in-lb.
- Install the internal wiring harness and temperature sensor bracket and sensor (Figure 2).

- NOTES:**
- Ensure a new O-ring is on the sensor as this sensor is a line pressure passage (Figure 2).
 - Refer to Figures 1 & 2 for location of sensor.
 - See Figures 1 & 2 for solenoid identification and harness connector locations.
 - There are two main sections for the solenoid harness 1 section has 3 connectors which go to the SLT, SLU and S1 at the front of the valve body.
 - The remaining solenoids are connected to the second part of the harness that has 5 connectors (Figure 2).

- Connect the pressure switch harness to the pressure switch terminal (Figure 2). See terminal location to solenoid circuits (Figure 3, page 3).
- Install new sump filter assembly and torque bolts to 88 in-lb.
- Install transmission pan gasket and torque all bolts to 62 in-lb.





30-Way Solenoid Connector

Figure 4

Terminal	Function	Inside Wire Color
1	Shift Solenoid 1 (S1) - Ground	Blue
2	Shift Solenoid 1 (S1) - Power	Black
3	SLT Solenoid (Linear Solenoid 7) - High Side	Black
4	SLT Solenoid (Linear Solenoid 7) - Low Side	Purple
5	SL5 Solenoid (Linear Solenoid 5) - High Side	Pink
6	SL5 Solenoid (Linear Solenoid 5) - Low Side	Brown
7	Bypass Wire	Yellow
8	TFT Sensor Signal	Orange
9	TFT Sensor Ground	Orange
10	Not Used	
11	Input Speed Sensor Signal	White
12	Bypass Wire	Pink
13	SLU Solenoid (Linear Solenoid 6) - High Side	Grey
14	SLU Solenoid (Linear Solenoid 6) - Low Side	Blue
15	SL4 Solenoid (Linear Solenoid 4) - High Side	Yellow
16	SL4 Solenoid (Linear Solenoid 4) - Low Side	Light Green
17	Bypass Wire	Grey
18	Pressure Switch Number 1 or 5	Brown
19	Not Used	
20	Not Used	
21	Input Speed Sensor Power	Blue
22	Bypass Wire	Green
23	SL1 Solenoid (Linear Solenoid 1) - High Side	White
24	SL1 Solenoid (Linear Solenoid 1) - Low Side	Yellow
25	SL3 Solenoid (Linear Solenoid 3) - High Side	Blue
26	SL3 Solenoid (Linear Solenoid 3) - Low Side	Green
27	Not Used	
28	SL2 Solenoid (Linear Solenoid 2) - High Side	Pink
29	SL2 Solenoid (Linear Solenoid 2) - Low Side	Brown
30	Not Used	

3. Fluid Fill and Road Test

- Fill the transmission to factory specifications with OE compatible ATF.
- Let engine run to help warm transmission fluid to 185°.
- Install capable scan tool and reset transmission adaptives.
- Road test vehicle performing 10-15 upshift and downshift cycles through all 6 speeds.

NOTE: Downshift clunks, a slight bind on the 3-4 upshift and a 2-3 flare can be common during the relearn. This condition will typically resolve itself within the 10-15 shift cycles.

4. Bonus Diagnostic Tech

This Sonnax remanufactured valve body has been through a rigorous inspection and rebuild process, and then put thru a comprehensive functional hydraulic and electronic test to ensure it meets OE performance and quality. It is designed to eliminate many pressure, shift and converter related complaints, but will not correct complaints that stem from other areas of the transmission. In addition, see the component application chart below (Figure 5) for troubleshooting drivability issues.

Component Application Chart

Figure 5

RANGE	K-1 Clutch	K-2 Clutch	K-3 Clutch	B-1 Clutch	B-2 Clutch	TCC
Park					ON	
Reverse			ON		ON	
Neutral					ON	
"D" 1st	ON				ON	
"D" 2nd	ON			ON		Applied
"D" 3rd	ON		ON			Applied
"D" 4th	ON	ON				Applied
"D" 5th		ON	ON			Applied
"D" 6th		ON		ON		Applied