



Technical Service Information

LINE PRESSURE SPECIFICATIONS

R4A51/V4A51 4 SPEED PRESSURE CHART (PSI)

Selector Position	Gear	Engine RPM	Underdrive Clutch "UC"	Reverse Clutch "RC"	Overdrive Clutch "OC"		Low Reverse Clutch "LB"	2nd Brake Clutch "2B"		Torque Converter Clutch "TR"
P	-- --	2500					38-52			*32-52
R	Reverse	2500		185-256			185-256			*73-106
N	-- --	2500					38-52			*32-52
D	1st Gear	2500	142-152				142-152			*94-123
D	2nd Gear	2500	142-152					142-152		*94-123
D	3rd Gear	2500	113-131		113-131					*94-123
D	4th Gear	2500			113-131			113-131		*94-123

* When the TCC pressure is measured, the engine speed should be 1500 RPM or less.

V5A51 5 SPEED PRESSURE CHART (PSI)

Selector Position	Gear	Engine RPM	Underdrive Clutch "UC"	Reverse Clutch "RC"	Overdrive Clutch "OC"	Direct Clutch "DC"	Low Reverse Clutch "LB"	2nd Brake Clutch "2B"	Reduction Brake Band "RB"	Torque Converter Clutch "TR"
P	-- --	2500					38-52		38-52	*32-52
R	Reverse	2500		185-256			185-256		185-256	*73-106
N	-- --	2500					38-52		38-52	*32-52
D	1st Gear	2500	142-152				142-152		142-152	*73-106
D	2nd Gear	2500	142-152					142-152	142-152	*73-106
D	3rd Gear	2500	113-131		113-131				113-128	*65-104
D	4th Gear	2500	113-131		113-131	113-128				*65-104
D	5th Gear	2500			113-131	113-128		113-128		*65-104

* When the TCC pressure is measured, the engine speed should be 1500 RPM or less.

NOTE: Pressure tap locations are shown on Page 22.

Requires Special Tool Adapters MB998332 and MB998900.

Refer to Page 23 if line pressure adjustment is necessary.

Caution:

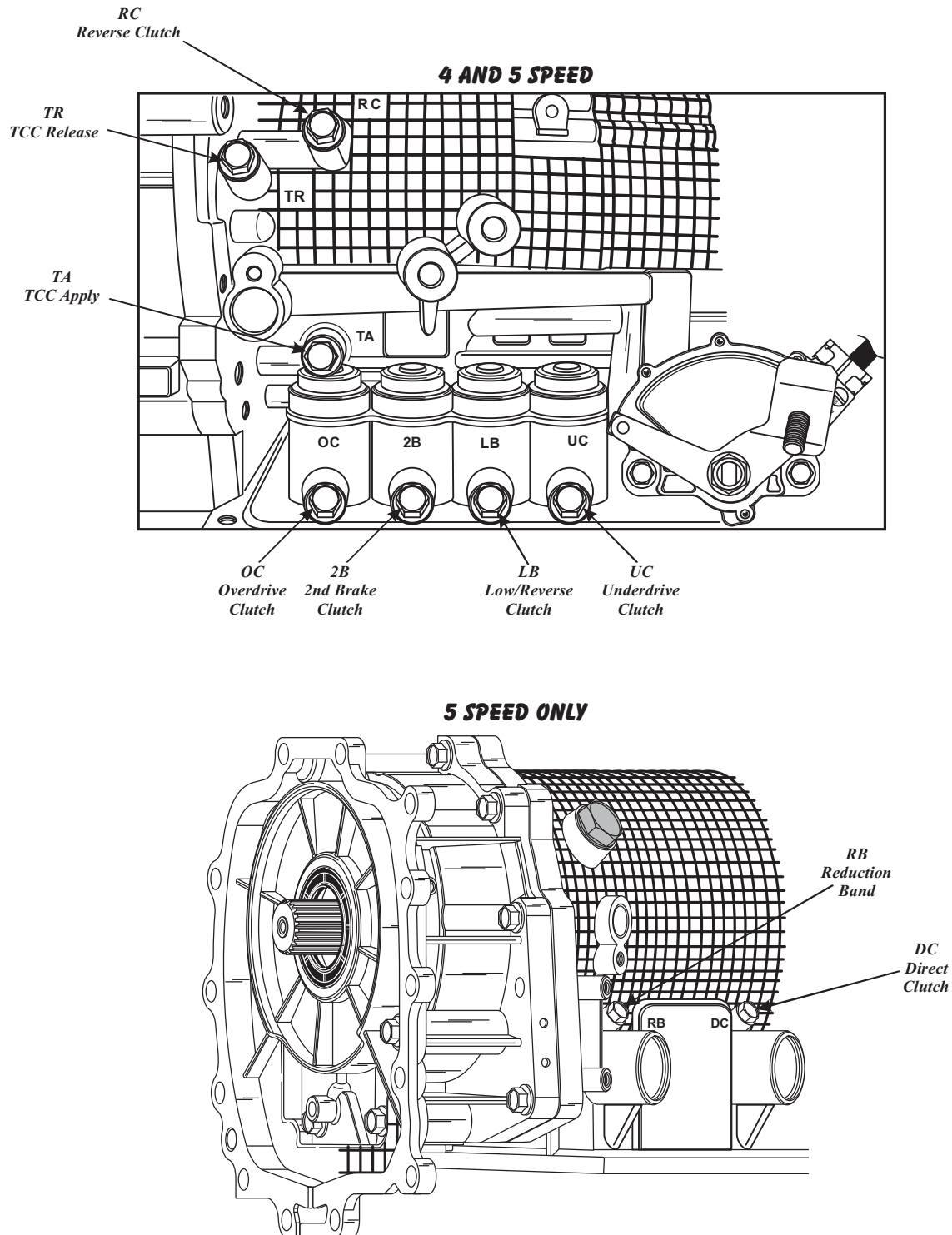
- (1) Transmission fluid temperature should be between 70-80°C (158-176°F) during the test.
- (2) Replace all port plug "O" rings with new ones after line pressure test and torque to 11 N•m (97 in.lb.).
- (3) Start the engine and ensure that there are no leaks around the plugs after the test.
- (4) Refill with the proper transmission fluid as necessary.

Transmission Fluid Specification = Diamond SP III

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Figure 24

PRESSURE TAP LOCATIONS



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Figure 25

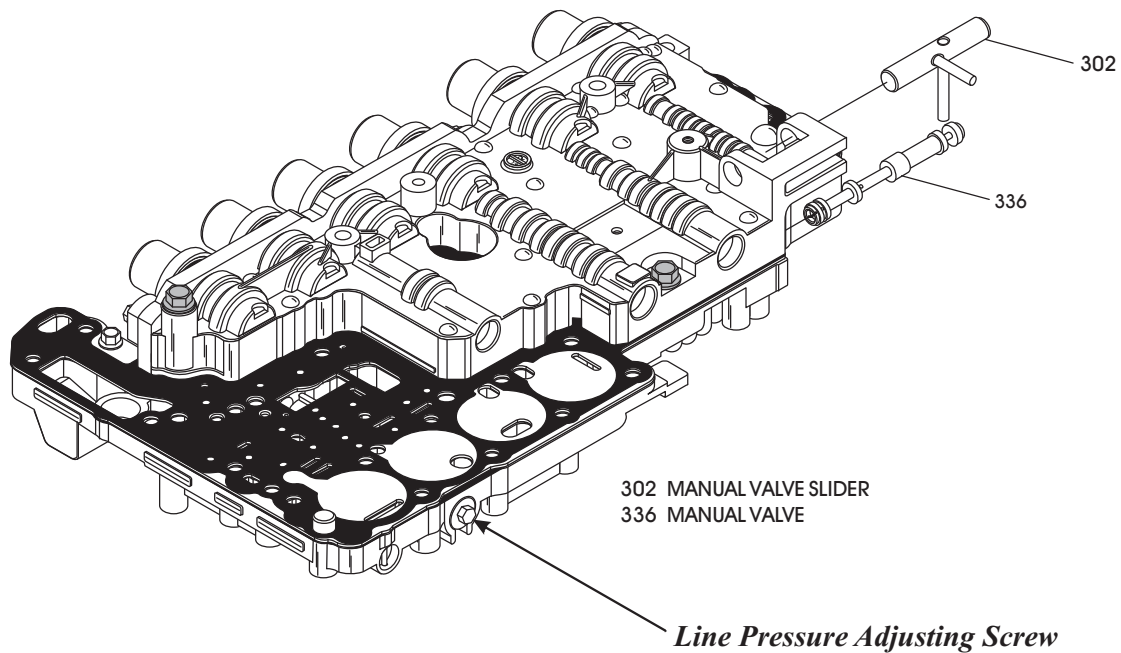


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ADJUSTING LINE PRESSURE

Adjustment Procedure

1. Drain the transmission fluid.
Note: Pressure test must be performed before attempting any adjustments.
2. Remove the transmission oil pan.
3. Turn the adjusting screw shown in Figure 26 to adjust line pressure to the nominal value. The pressure increases when the screw is turned counter-clockwise.
Note: Adjust to the middle of the nominal range when transmission is in "D" position.
Nominal line pressure is 142-152 PSI.
Each complete turn of the adjusting screw changes pressure 5.1 PSI.
4. Install the transmission pan and transmission fluid.
5. Repeat the line pressure test, and re-adjust the line pressure as necessary.



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Figure 26