

HONDA/ACURA SIX SPEED LINE PRESSURE CHECK PROCEDURE

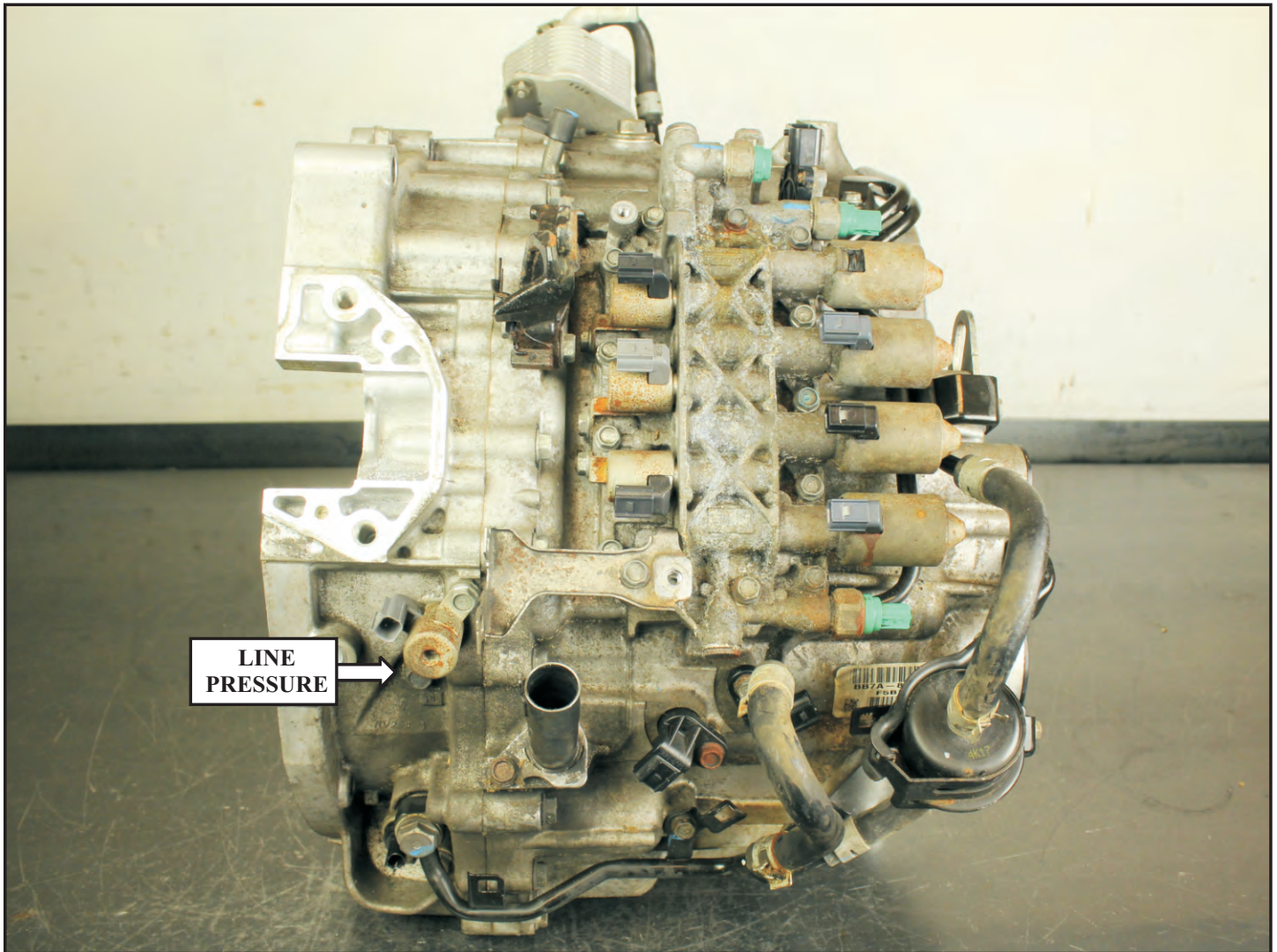


Figure 1

1. Remove the front splash shield behind the front bumper.
 2. Make certain the transmission fluid is filled to the proper level.
 3. Connect a pressure gauge to the line pressure service port marked "PL" seen in figure 1.
- NOTE: All clutch pressure locations are identified by a letter or number indicating each clutch pressure port.**
4. Connect a scan tool to the vehicle data link connector.
 5. Make certain the transmission is in the PARK position.
 6. Start the engine and allow the transmission temperature to reach 122°F to 212°F (50°C to 100°C), use the scan tool to verify transmission temperature.
 7. Bring the engine up to 2000 rpm.
 8. Normal line pressure should be 163 to 170 psi (1123 to 1172 kPa).

HONDA/ACURA SIX SPEED 2ND CLUTCH PRESSURE CHECK PROCEDURE

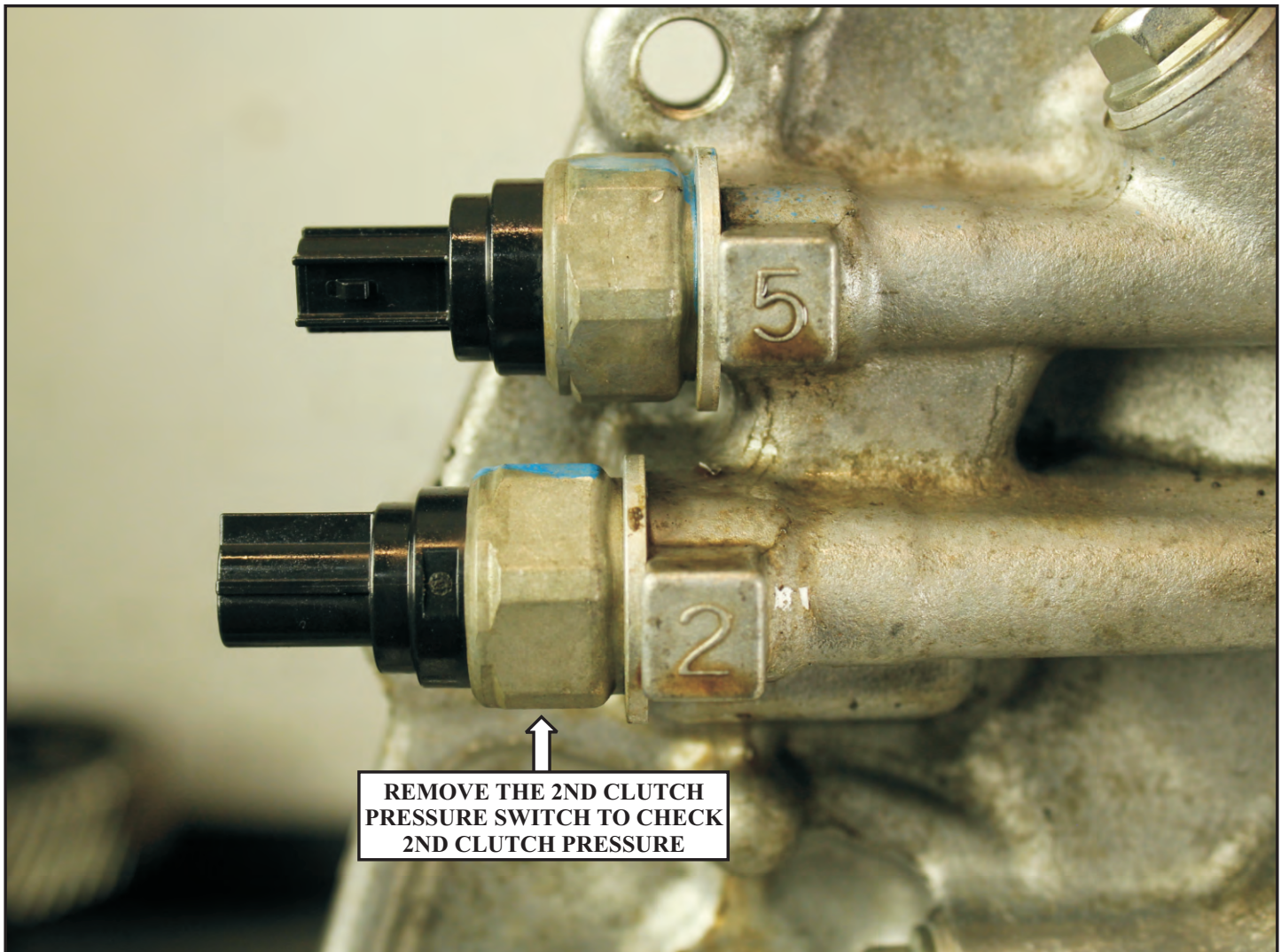


Figure 2

1. Disconnect the 2nd clutch pressure switch connector and remove the 2nd clutch pressure switch that is marked with a "2" shown in figure 2.
2. With an appropriate adaptor, connect the pressure gauge to the 2nd clutch pressure switch hole.
3. Reconnect the 2nd clutch pressure switch to avoid setting a trouble code.
4. Start the engine and run the transmission in second gear.
5. Open the throttle to at least 20%, the scan tool can display percentage of throttle opening.
6. Second clutch pressure should normally be 163°F to 170°F (1123 kPa to 1172 kPa).
7. When pressure test is completed turn off engine and reinstall the 2nd clutch pressure switch and connector.

HONDA/ACURA SIX SPEED 4TH CLUTCH PRESSURE CHECK PROCEDURE

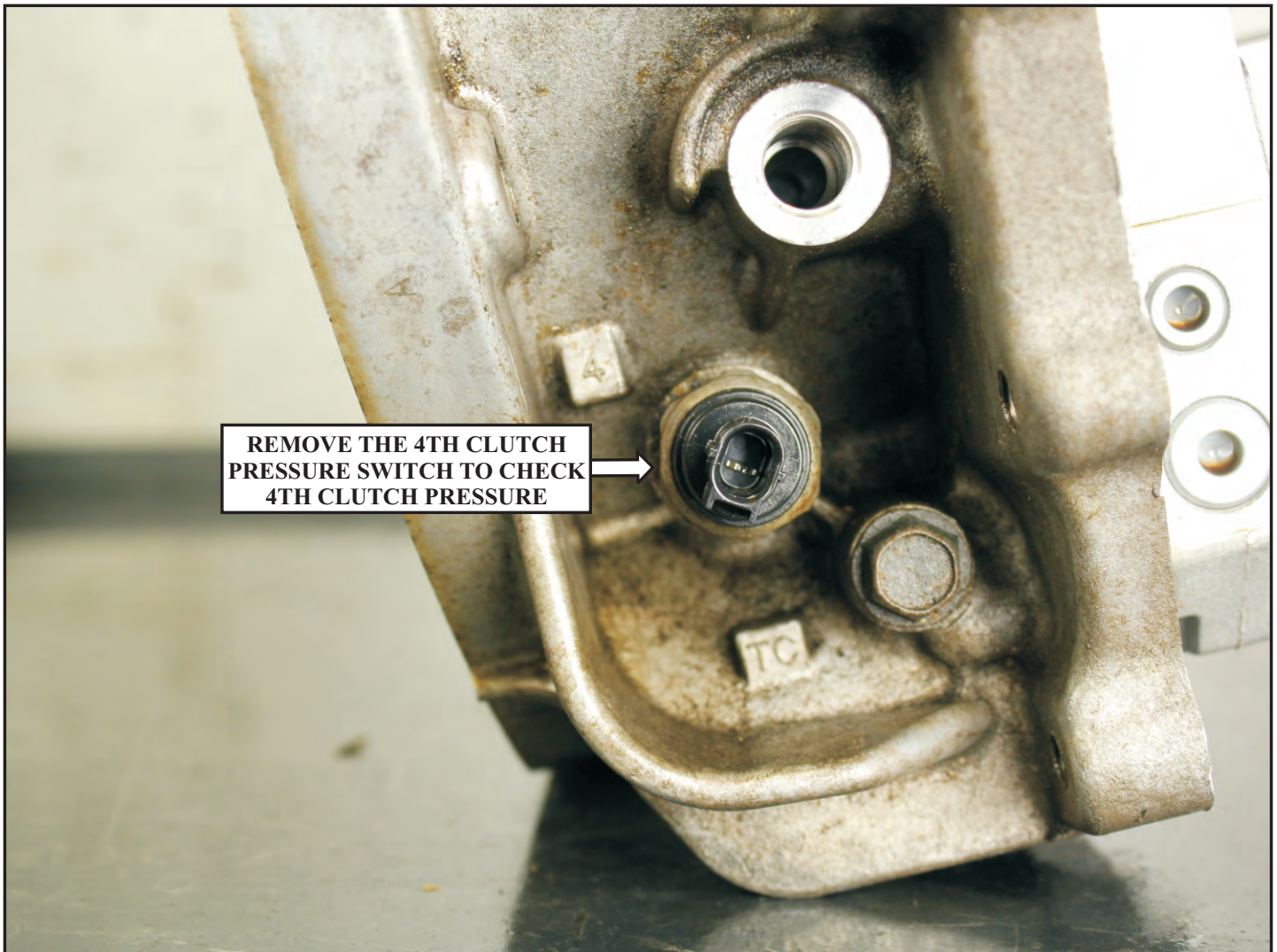


Figure 3

4TH CLUTCH PRESSURE IN 4TH GEAR:

1. Disconnect the 4th clutch pressure switch connector and remove the 4th clutch pressure switch shown in figure 2.
2. With an appropriate adaptor, connect the pressure gauge to the 4th clutch pressure switch hole marked with a "4".
3. Reconnect the 4th clutch pressure switch to avoid setting a trouble code.
4. Start the engine and run the transmission in second gear.
5. Open the throttle to at least 20%, the scan tool can display percentage of throttle opening.
6. Fourth clutch pressure should normally be 163°F to 170°F (1123 kPa to 1172 kPa).

4TH CLUTCH PRESSURE IN REVERSE:

1. Shift the transmission into reverse and open the throttle to at least 20%, the scan tool can display percentage of throttle opening.
2. Fourth clutch pressure in reverse should be 163°F to 170°F (1123 kPa to 1172 kPa).
3. When pressure test is completed turn off engine and reinstall the 4th clutch pressure switch and connector.

HONDA/ACURA SIX SPEED TORQUE CONVERTER CLUTCH PRESSURE CHECK PROCEDURE

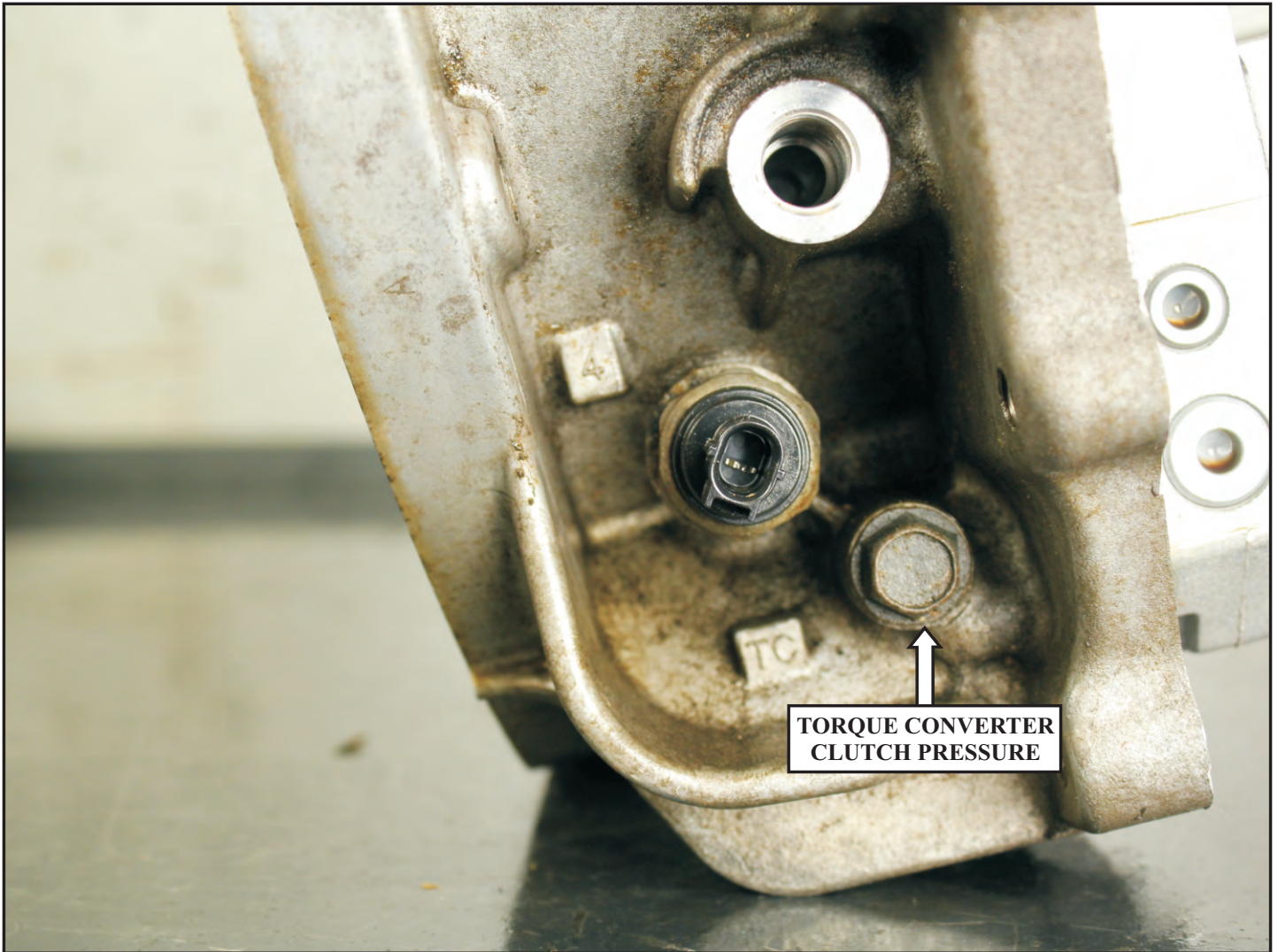


Figure 4

1. Install the pressure gauge into the service port marked "TC" as seen in figure 4.
2. Start the engine and run the vehicle in 2nd gear.
3. Hold the engine at 4,000 rpm.
4. Torque converter clutch pressure should be 43 psi (294 kPa) or more.

HONDA/ACURA SIX SPEED 1ST CLUTCH PRESSURE CHECK PROCEDURE

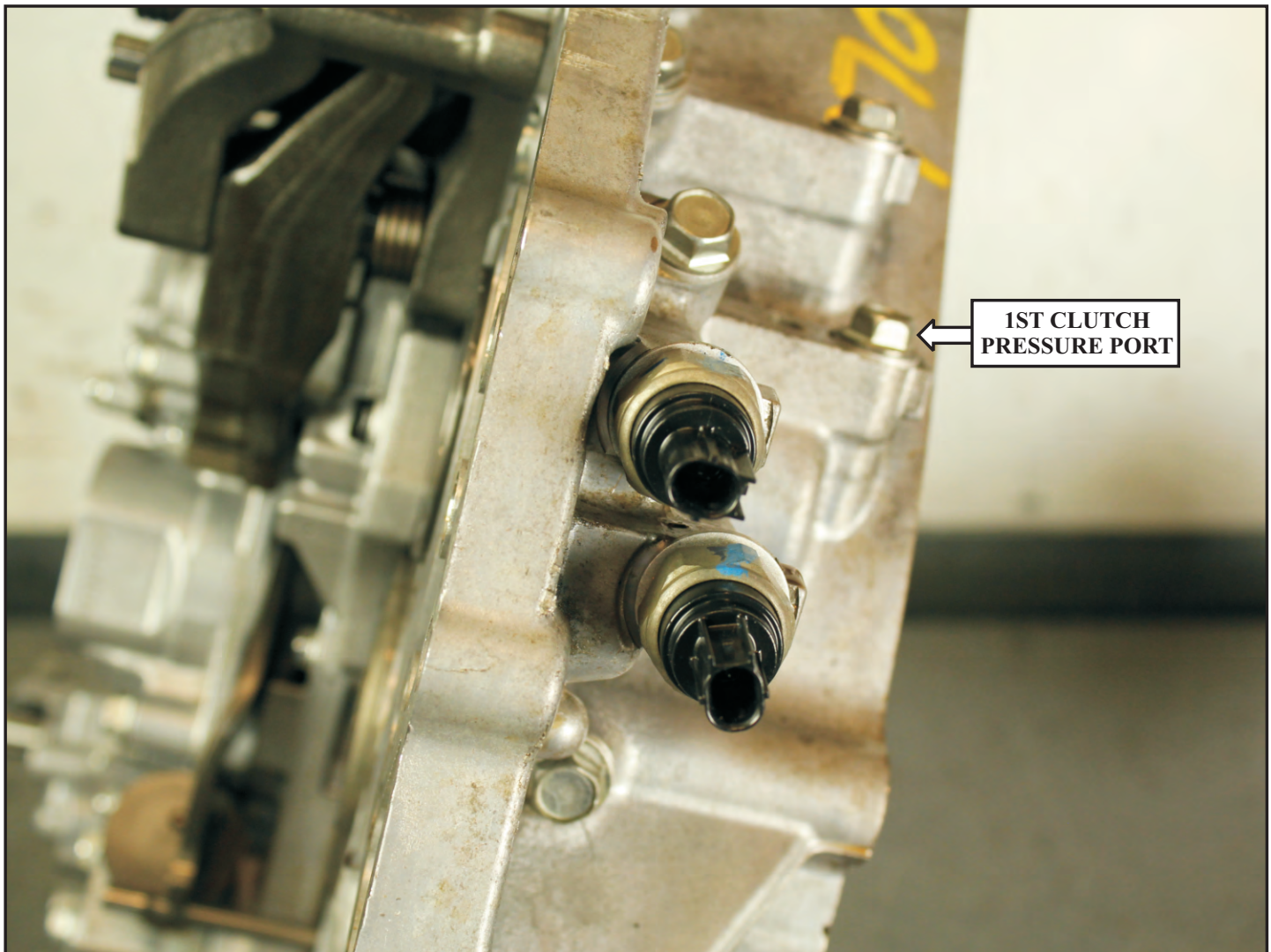


Figure 5

1. Remove the air intake scoop.
2. Remove the air cleaner assembly and intake duct.
3. Connect the pressure gauge to the 1st clutch pressure port marked "1" seen in figure 5.
4. Temporarily install the intake air duct and air cleaner assembly.
5. Start the engine and place the transmission in manual low.
6. Open the throttle at to 20% or more.
7. First clutch pressure should normally be 163°F to 170°F (1123 kPa to 1172 kPa).

HONDA/ACURA SIX SPEED 5TH CLUTCH PRESSURE CHECK PROCEDURE

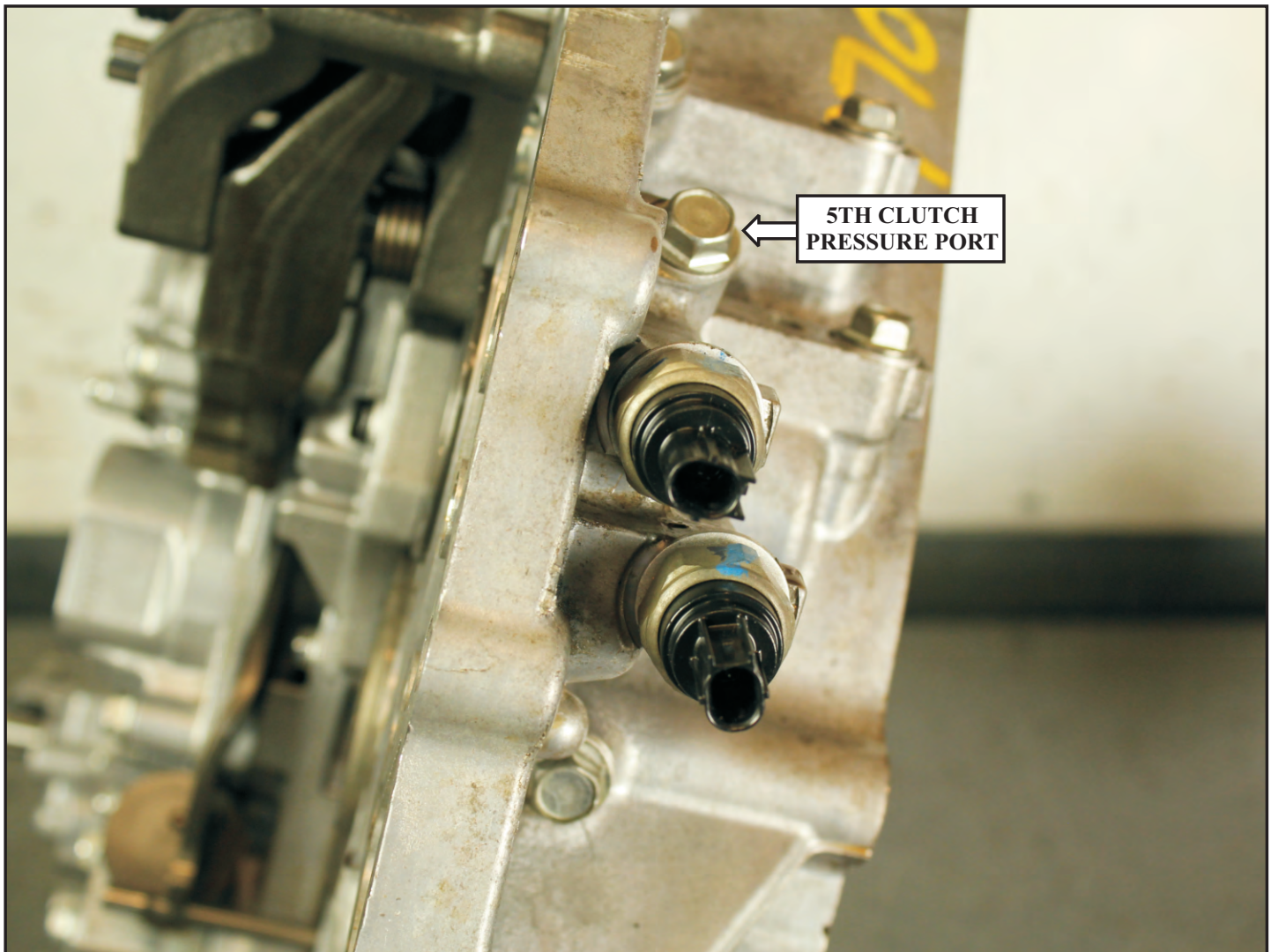


Figure 6

1. Remove the air intake scoop.
2. Remove the air cleaner assembly and intake duct.
3. Connect the pressure gauge to the 5th clutch pressure port marked "5" seen in figure 6.
4. Temporarily install the intake air duct and air cleaner assembly.
5. Start the engine and press the throttle pedal until the transmission shifts to 5th gear with engine rpm less than 3000 rpm. Make certain the shift indicator in the dash or on the scan tool indicates 5th gear.
6. Quickly depress the throttle while in 5th gear.
7. Fifth clutch pressure should normally be 163°F to 170°F (1123 kPa to 1172 kPa).

HONDA/ACURA SIX SPEED 3RD & 6TH CLUTCH PRESSURE CHECK PROCEDURE

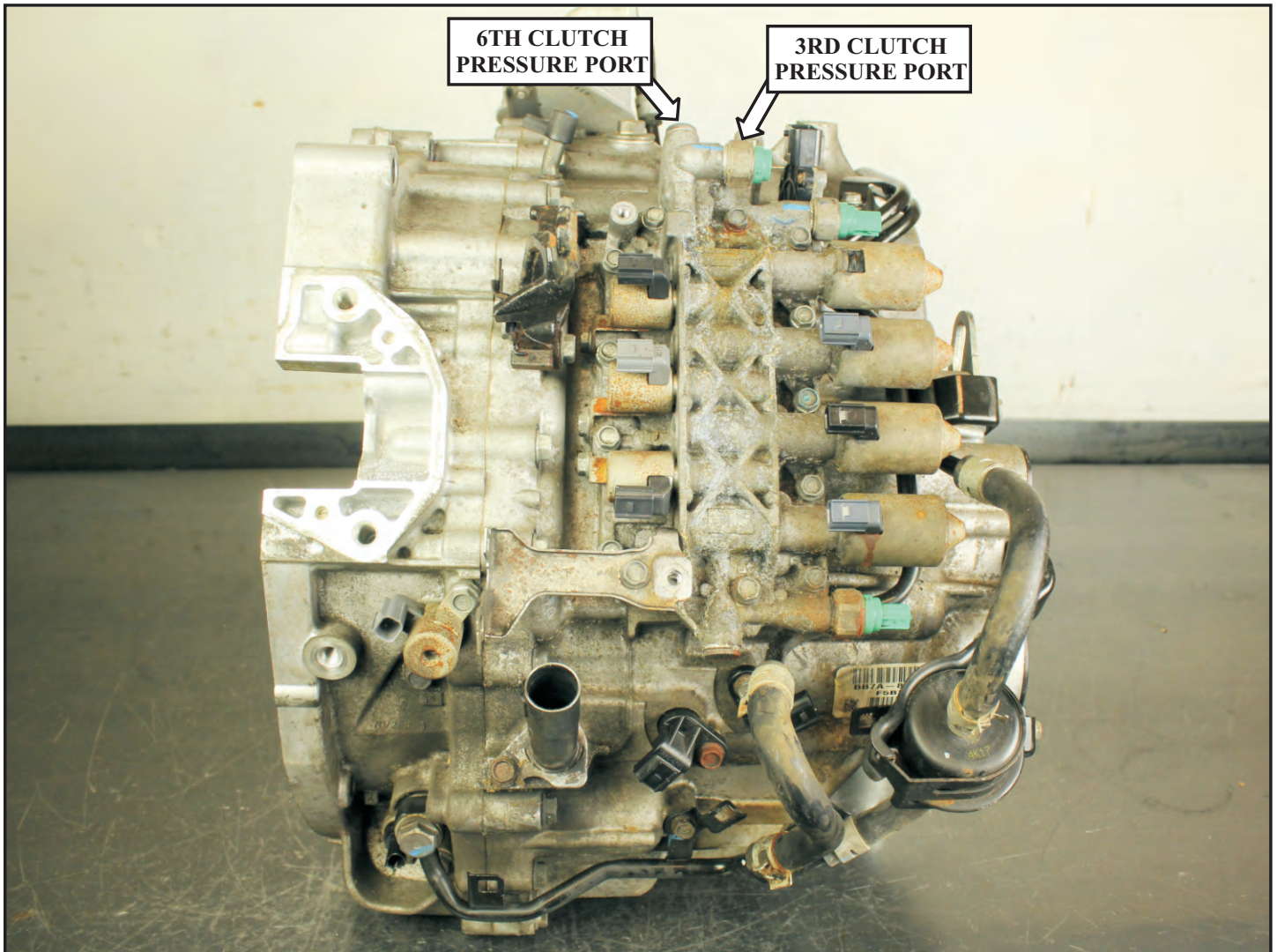


Figure 7

1. Install the pressure gauge into the 3rd clutch pressure port marked “3” shown in figure 7.
2. Temporarily install the intake air duct and air cleaner assembly.
3. Start the engine and press the throttle pedal until the transmission shifts to 3rd gear with engine rpm less than 3000 rpm. Make certain the shift indicator in the dash or on the scan tool indicates 3rd gear.
4. Quickly depress the throttle while in 3rd gear.
5. Third clutch pressure should normally be 163°F to 170°F (1123 kPa to 1172 kPa).

1. Install the pressure gauge into the 6th clutch pressure port marked “6” shown in figure 7.
2. Temporarily install the intake air duct and air cleaner assembly.
3. Start the engine and press the throttle pedal until the transmission shifts to 6th gear with engine rpm less than 3000 rpm. Make certain the shift indicator in the dash or on the scan tool indicates 6th gear.
4. Quickly depress the throttle while in 6th gear.
5. Sixth clutch pressure should normally be 163°F to 170°F (1123 kPa to 1172 kPa).