



Technical Service Information

HONDA/ACURA MGHA FAMILY WRONG GEAR STARTS, SETS VARIOUS SOLENOID DTC'S

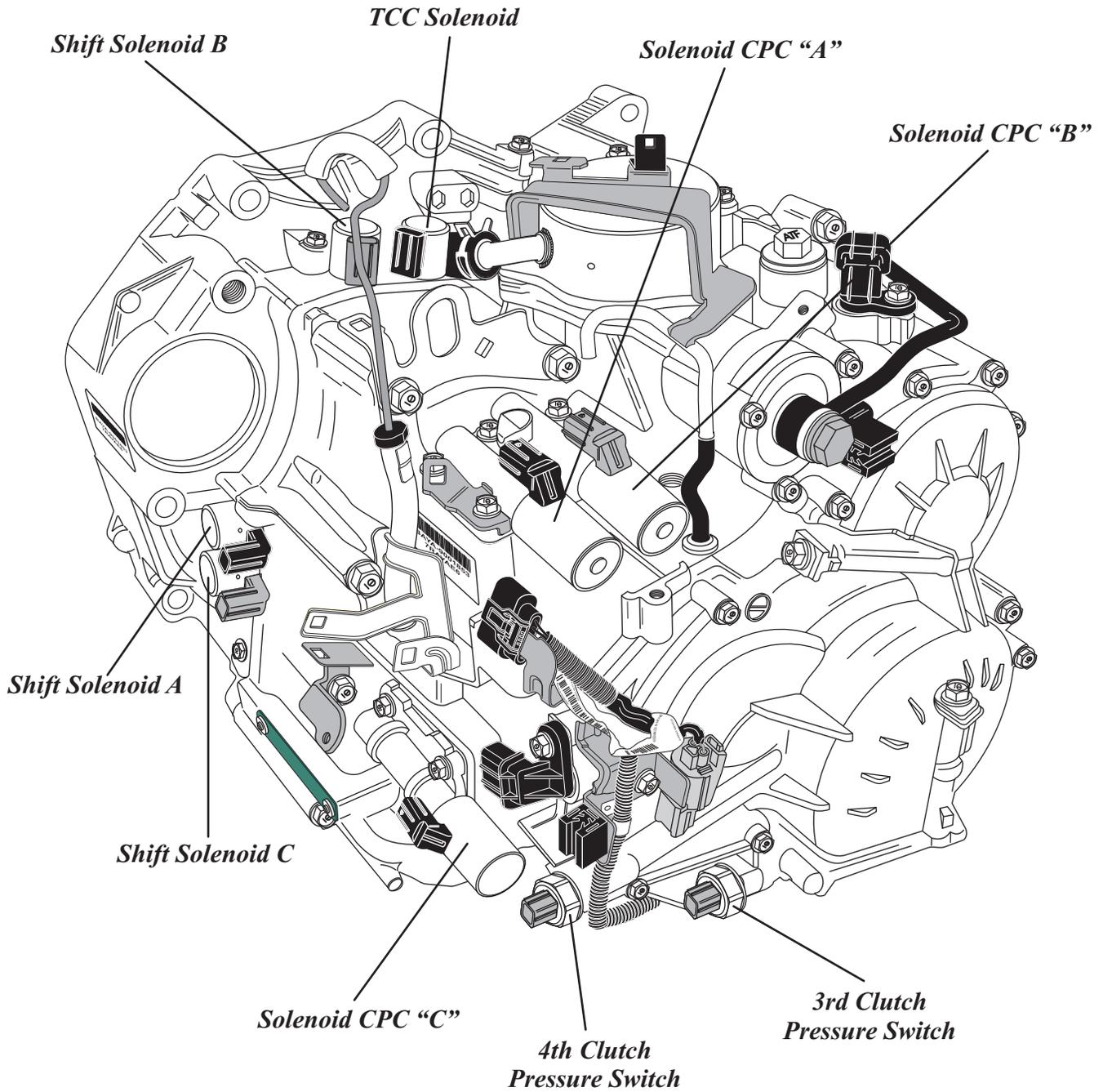
COMPLAINT: After overhaul, a Honda vehicle equipped with a MGHA Family transmission exhibits a complaint of wrong gear starts. When checking for codes with a scanner, various solenoid DTC's may be stored.

CAUSE: One cause may be solenoid connectors cross connected. Cross connecting the brown or black connectors between Shift Solenoid A, B, C or the TCC Solenoid may cause wrong gear starts, but would not set DTC's. Cross connecting Shift Solenoid A, B, C or TCC Solenoid black or brown connectors with CPC Solenoids A, B, or C may also cause wrong gear starts and will most likely store a DTC for the affected solenoids.

CORRECTION: Use the diagram in Figure 1 to identify the proper solenoid locations. There are a few different brown and black connectors. Use the chart in Figure 2 to identify the correct solenoid connector color as well as corresponding wire color to assist the technician in correct assembly.

Note: Wire colors provided are based on 2001 model Acura MDX vehicle. Use care when connecting the solenoids. Wire colors may vary between models, however connector colors remain the same.

**MGHA FAMILY
SOLENOID AND PRESSURE SWITCH LOCATIONS**



Copyright © 2009 ATSG

Figure 1



**MGHA FAMILY
SOLENOID AND PRESSURE SWITCH
CONNECTOR AND WIRE COLORS**

<i>SOLENOID/ PRESSURE SWITCH</i>	<i>CONNECTOR COLOR</i>	<i>WIRE COLOR</i>
<i>Shift Solenoid A</i>	<i>Black</i>	<i>Blue/Yellow Black</i>
<i>Shift Solenoid B</i>	<i>Brown</i>	<i>Lt Green/White Black</i>
<i>Shift Solenoid C</i>	<i>Brown</i>	<i>Lt Green Black</i>
<i>Torque Converter Clutch Solenoid</i>	<i>Black</i>	<i>Yellow Black</i>
<i>Clutch Pressure Control Solenoid A</i>	<i>Black</i>	<i>White Red</i>
<i>Clutch Pressure Control Solenoid B</i>	<i>Brown</i>	<i>Lt. Green Brown/White</i>
<i>Clutch Pressure Control Solenoid C</i>	<i>Black</i>	<i>Red/Blue Lt Green/Red</i>
<i>3RD Clutch Pressure Switch</i>	<i>Grey</i>	<i>Blue/White</i>
<i>4TH Clutch Pressure Switch</i>	<i>Beige/Natural</i>	<i>Blue/Yellow</i>

Copyright © 2009 ATSG

Figure 2