



TF81SC

SOLENOID CONNECTOR IDENTIFICATION

COMPLAINT: (1) A Ford vehicle equipped with the TF81SC transmission has eight solenoids to connect as well as two speed sensors and an ATF Temperature Sensor. What connects to what as well as internal wire harness routing creates confusion for the rebuild technician.

(2) The solenoid connectors can be easily broken which would allow the wire harness connectors to back out and loose contact with the solenoid resulting in solenoid codes being set.

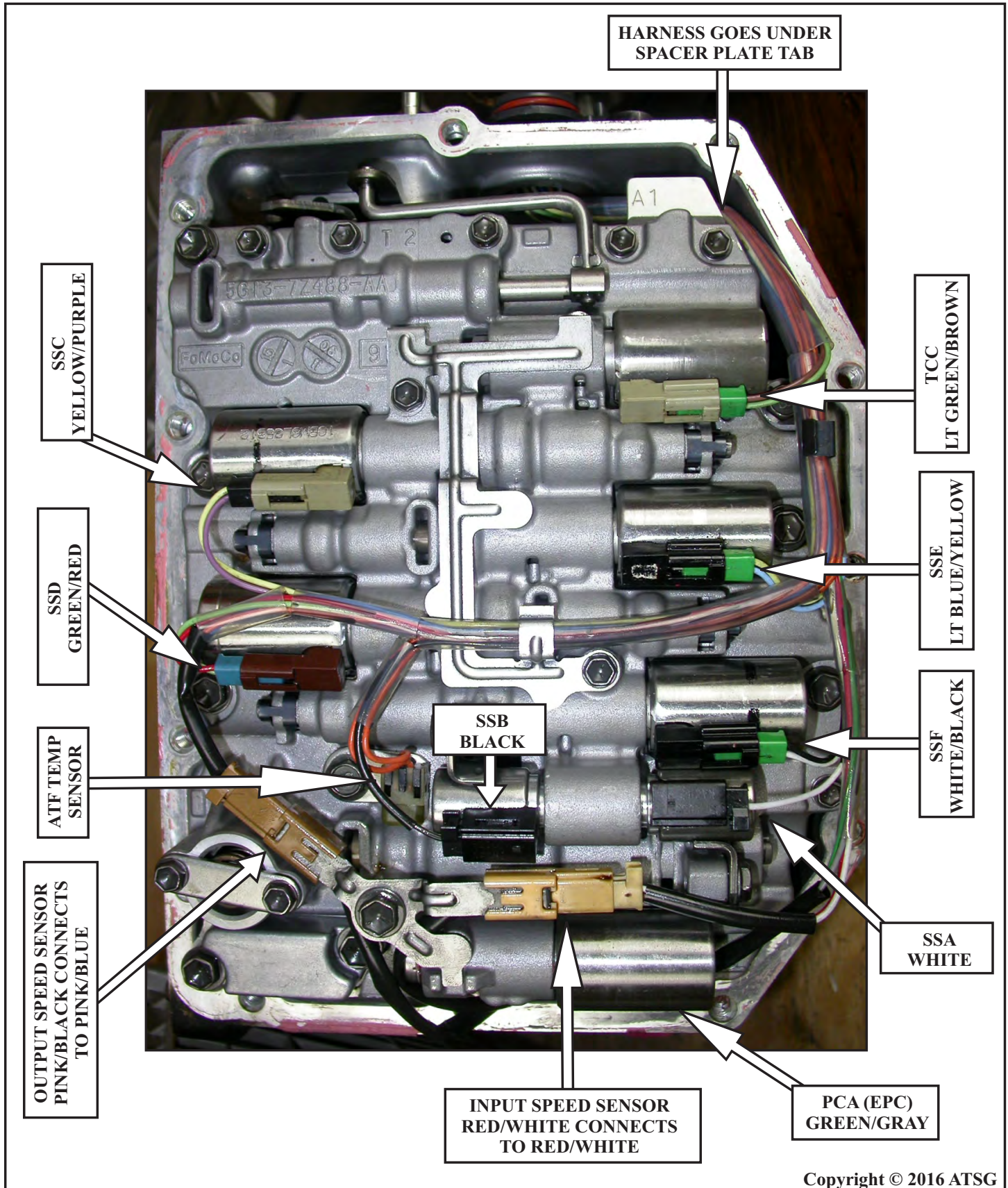
CAUSE: (1) Cross connecting solenoid connectors.

(2) Excessive force used on the connector because the proper disconnect method is not obvious.

CORRECTION: (1) Use the illustration in Figure 1 for correct solenoid and speed sensor connections as well as proper wire harness routing.

(2) Use the disconnect method in Figure 2 and 3 to properly disconnect solenoids and speed sensors without breaking them.

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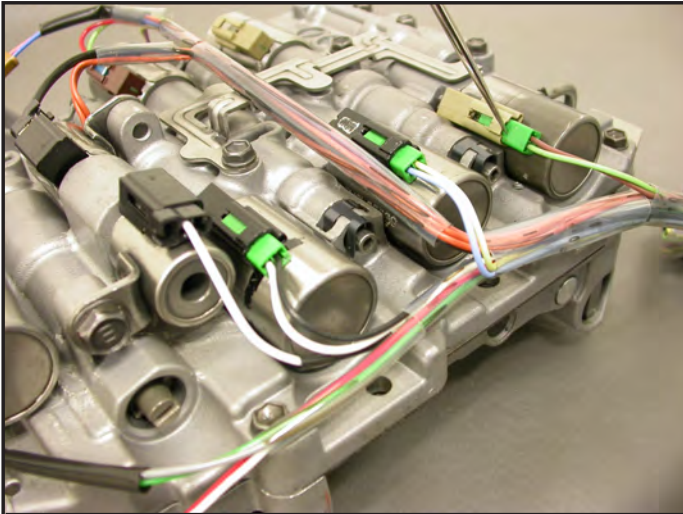
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Figure 1

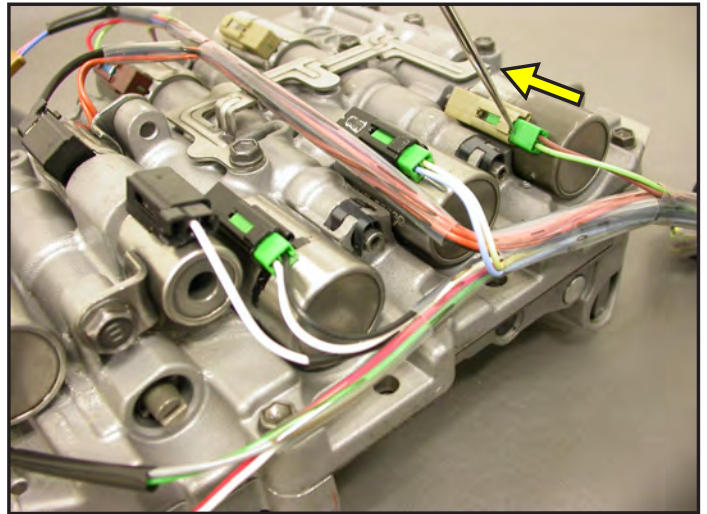
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ALL DOUBLE WIRE CONNECTORS



Stick Pick Into Wire Harness Connector With The Pick Resting Against The Solenoid Connector.

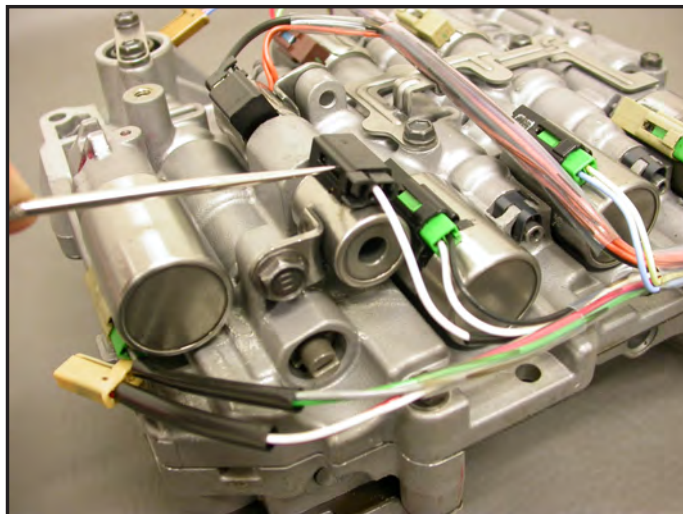


Swivel The Pick Against The Solenoid Connector In The Direction Of The Arrow Until The Wire Connector Moves Out.

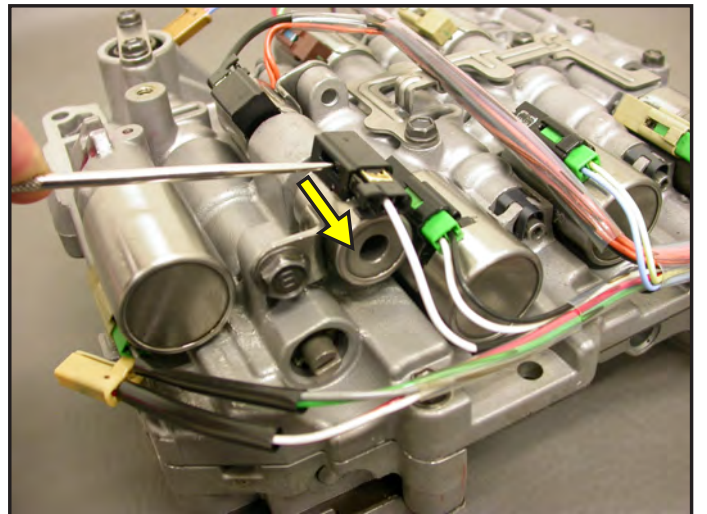
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Figure 2

ALL SINGLE WIRE CONNECTORS



Stick Pick Into Side Of Wire Harness Connector Towards The Bottom Of The Rectangular Slot In The Solenoid Connector.



Push The Pick In The Direction Of The Arrow Until The Connector Moves Out.

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Figure 3