



Technical Service Information

CHRYSLER

TCM POWER INPUT LOW

COMPLAINT: A 2006 Chrysler PT Cruiser with the 41TE transmission has a complaint of trouble code P0882 for TCM Power Input Low and the transmission is in limp mode.

CAUSE: The T15 Circuit Yellow/Brown wire near the TIPM C2 Connector, refer to figure 1, Terminal 10 was broken, refer to figure 2. This wire receives battery voltage from the PCM at C4 Connector, Terminal 18, Trans Control, where it changes to a Light Green wire and sends it to the TIPM C2 Connector at Terminal 10.

CORRECTION: Repair circuit T15 Yellow/Brown wire.

SERVICE INFORMATION:

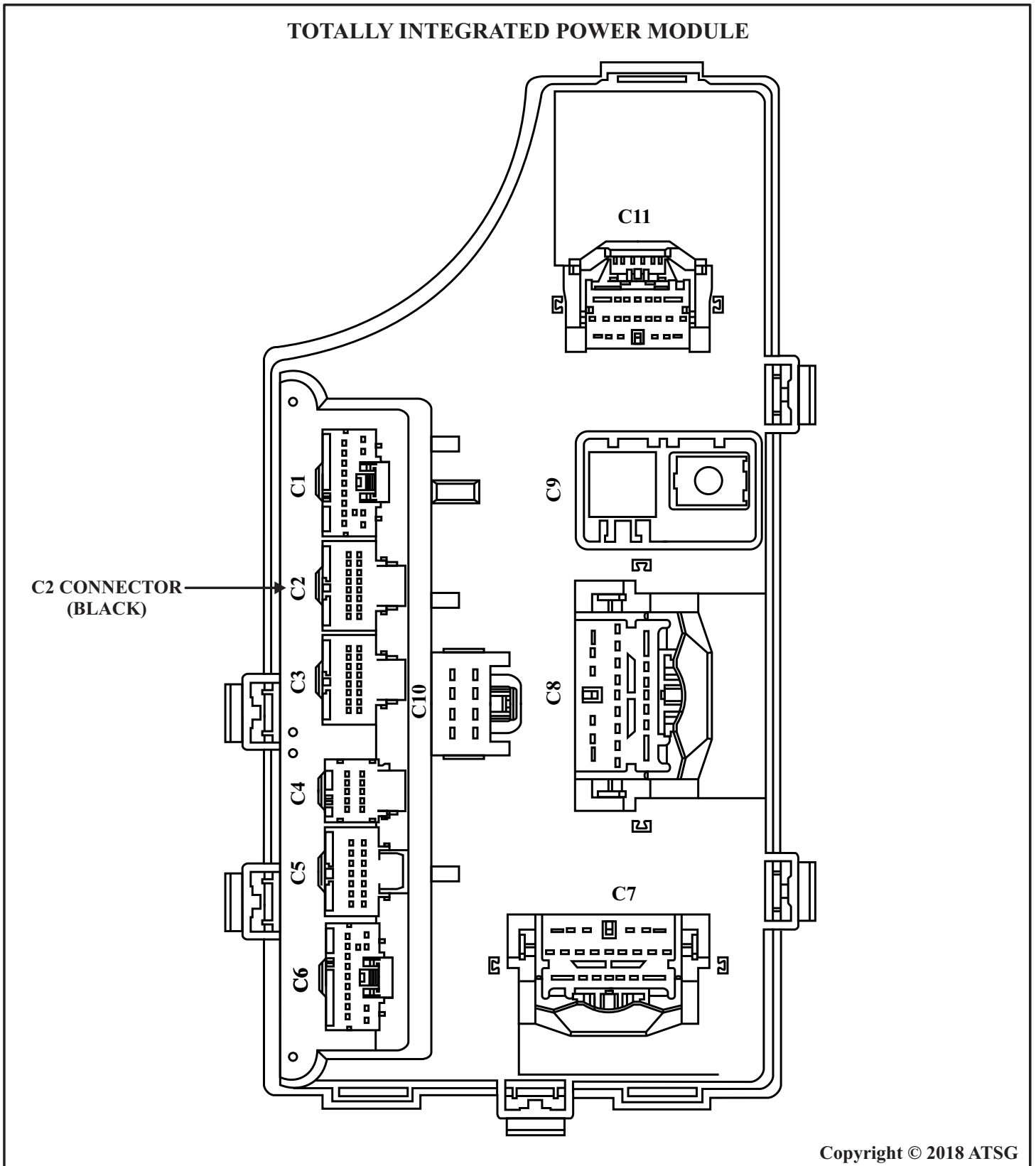
This code sets when the NGC module sends 12 volts from terminal 18, refer to figure 3 in the green NGC C4 connector to the TIPM C2 connector, terminal 10 (T15), but does not see more than 3 volts return to the green NGC C4 connector, terminals 19 and/or 28 (T16), at power up request. (Some models will also have an additional T16 wire at the NGC controller green C4 connector, terminal 38. This model had an empty cavity at that location.)

With everything still connected, the technician had an assistant sit in the vehicle with the key off. He checked voltage on the wire at terminal 18 in the green NGC C4 connector while his assistant started the vehicle and observed that the NGC did momentarily send the 12 volts out to the TIPM prior to the code resetting.

Next the technician monitored the voltage out from the TIPM to the NGC green C4 connector terminals 19 and 28 (Circuit T16) when the ignition was again cycled from OFF to starting the engine and noticed that there was no voltage coming out of the TIPM to the NGC controller. This would seem to indicate a bad TIPM but the technician decided to check the related wire at the TIPM C2 connector, terminal 10, and discovered a break in the circuit T15 wire at the connector.

Many Thanks to John at Wilson Transmission, London Ontario for sharing his experience with ATSG that made this bulletin possible.

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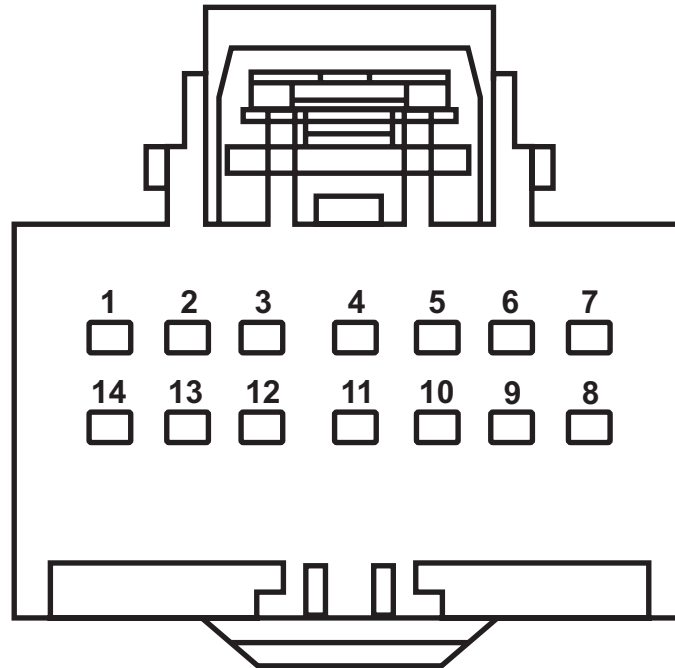


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Figure 1

CHRYSLER TCM POWER INPUT LOW

TOTALLY INTEGRATED POWER MODULE C2 CONNECTOR



| TERMINAL | CIRCUIT | FUNCTION |
|----------|-------------|--|
| 1 | F901 | FUSED IGNITION SWITCH OUTPUT (OFF-RUN-START) |
| 2 | NOT USED | NOT USED |
| 3 | NOT USED | NOT USED |
| 4 | K31 | FUEL PUMP CONTROL |
| 5 | W7 | FRONT WIPER PARK SWITCH SENSE |
| 6 | Z924 | GROUND |
| 7 | NOT USED | NOT USED |
| 8 | NOT USED | NOT USED |
| 9 | NOT USED | NOT USED |
| 10 | T15 YEL/BRN | TRANSMISSION CONTROL |
| 11 | G70 | HOOD AJAR SWITCH SENSE |
| 12 | NOT USED | NOT USED |
| 13 | Z927 | GROUND |
| 14 | NOT USED | NOT USED |

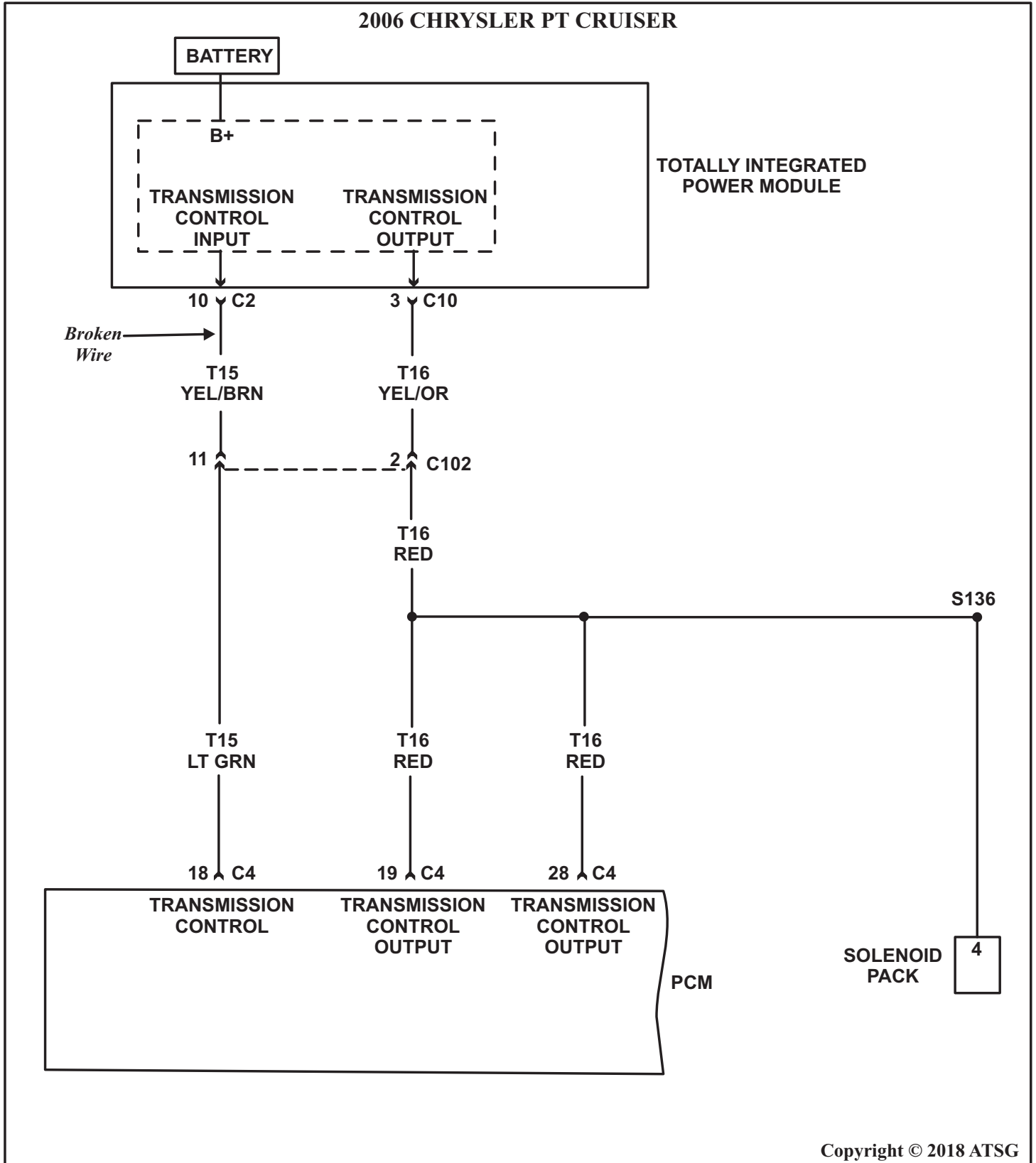
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Figure 2

CHRYSLER

TCM POWER INPUT LOW

2006 CHRYSLER PT CRUISER



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Figure 3