



STAR ONLINE PUBLICATION



Case Number: S2108000144

Release Date: June 2021

Symptom/Vehicle Issue: No Start, No Crank

Customer Complaint/Technician Observation: Customer may experience the vehicle will not start; the cluster PRNDL displays the proper park position. Technician can jump the relay and start the vehicle.

Repair Procedure:

Inspect the T41 YL/DB circuit voltage at the circuit directly at the PCM terminal location and or using a scan tool to check for change. The T41 circuit voltage should read zero volts or scan tool reading "On" when monitoring in the PCM DATA. The range sensor grounds out the PCM reference voltage when in park.

If using a scan tool monitor the scan tool PCM /data folder, "Clutch Interlock/Park Neutral Switch" when shifting from park to drive, the value should change from "On" to "Off" when shifting out of park to drive, see Fig 1, 2.

Example 2018 D2
T41 circuit, clutch
interlock/park neutral
switch,- TRANS AS69RC

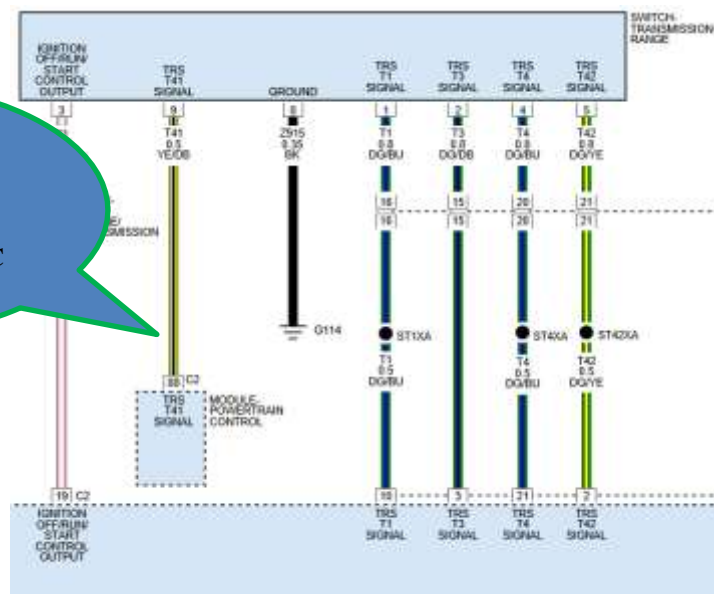


Fig 1

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



Example: Witech 1

Graph	Name	Value	Unit	Type
<input type="checkbox"/>	ABS Event Active	No		Sensors
<input type="checkbox"/>	Alternator Volts	0.0	Volts	Sensors
<input type="checkbox"/>	Battery Voltage	0.0	Volts	Sensors
<input type="checkbox"/>	Boost Pressure Estimate	0.0	psi	Sensors
<input type="checkbox"/>	Brake Switch	OFF		Sensors
<input type="checkbox"/>	Brake Switch 2	OFF		Sensors
<input type="checkbox"/>	Calculated Engine Load	0.0	%	Sensors
<input type="checkbox"/>	Calculated Turbine Acceleration	0	rpm/s	Sensors
<input type="checkbox"/>	Charge Air Cooler Outlet Temperature	32.0	°F	Sensors
<input type="checkbox"/>	Charge Air Cooler Outlet Temperature Voltage	0.0	V	Sensors
<input type="checkbox"/>	Charge Pressure	0.0	psi	Sensors
<input type="checkbox"/>	Charge Pressure Voltage	0.0	V	Sensors
<input type="checkbox"/>	Charge Temperature Degrees	32.0	°F	Sensors
<input type="checkbox"/>	Charge Temperature Voltage	0.0	V	Sensors
<input checked="" type="checkbox"/>	Clutch Interlock / Park Neutral Switch	OFF		Sensors
<input type="checkbox"/>	Cold Start Aid 1 Driver	OFF		Sensors
<input type="checkbox"/>	Commanded Throttle	0.0	%	Sensors
<input type="checkbox"/>	Coolant Temperature	32.0	°F	Sensors
<input type="checkbox"/>	Coolant Temperature Volts	0.0	V	Sensors
<input type="checkbox"/>	Crankcase Pressure	0.0	psi	Sensors

Example: Witech 2 Data folder

Search on clutch, select the ungrouped 2 items and monitor the Clutch Interlock Park Neutral Switch. The value should go on to off when going in and out of park.

NAME	VALUE	UNIT	TYPE
Clutch Switch	—		Sensors
Clutch Interlock Park Neutral Switch	—		Sensors

Fig 2

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