

DP: Output Shaft Speed (OSS) Sensor/Vehicle Speed Sensor (VSS)/Transfer Case Speed Sensor (TCSS)

Introduction

[DP: Pinpoint Tests](#) ➔

WARNING: CROWN VICTORIA POLICE INTERCEPTOR VEHICLES EQUIPPED WITH FIRE SUPPRESSION SYSTEM, REFER TO SECTION 419-03 FOR IMPORTANT SAFETY WARNINGS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

This pinpoint test is intended to diagnose the following:

- OSS/VSS/TCSS (7F293/7M101/7H103)
- harness circuits: OSS/VSS, TCSS, and SIGRTN
- powertrain control module (PCM) (12A650)

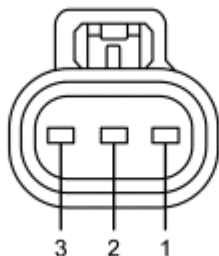
Output Shaft Sensor/Vehicle Speed Sensor (OSS/VSS) Connector

A



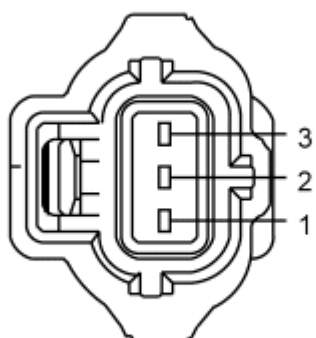
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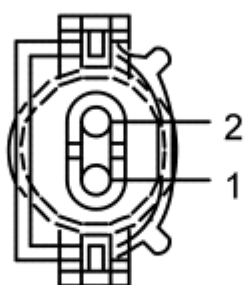
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C



A0077554

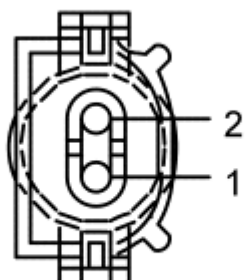
D



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Vehicle	Connector	Pin	Circuit
Escape/Mariner 2.5L, Fusion 2.3L, Milan 2.3L	A	2 1	SIGRTN OSS/VSS
F-Super Duty	B	3 2 1	SIGRTN OSS/VSS VPWR
Focus	C	2 1 3	OSS/VSS PWRGND VPWR
Mustang	D	2 1	SIGRTN OSS/VSS
All other vehicles	D	1 2	SIGRTN OSS/VSS

Transfer Case Speed Sensor (TCSS) Connector



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Pin	Circuit
2	TCSS (Transfer Case Speed Sensor)
1	SIGRTN (Signal Return)

Powertrain Control Module (PCM) Connector

For PCM connector views or reference values, refer to [Section 6](#).

Vehicle	Connector	Pin	Circuit
F-150 5.4L	190-Pin	B67 T16 B22, B69, B70 B58, E64	VPWR TCSS PWRGND SIGRTN
F-150 4.6L	190-Pin	B67 T16 B22, B69, B70 B58, E64, T43	VPWR TCSS PWRGND SIGRTN
Focus	190-Pin	B67 B69, B70 B58, E64, T40 T2	VPWR PWRGND SIGRTN OSS/VSS
Fusion, Milan	140 Pin	B51 B67, B68, B69 B58, E58 B65	VPWR PWRGND SIGRTN OSS/VSS
All other vehicles	170 Pin	B35 B47, B48, B49, B50 B41, E58, T41	VPWR PWRGND SIGRTN

		T3	OSS/VSS
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DP: Pinpoint Tests ➡
