

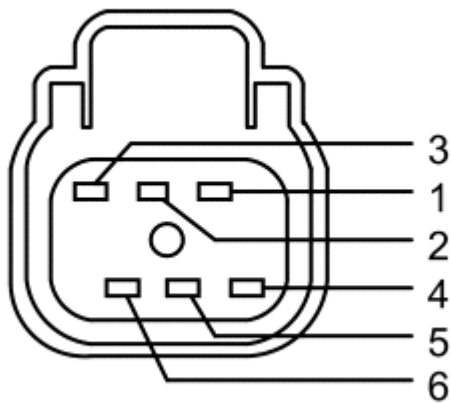
HH: Exhaust Gas Recirculation System Module (ESM)
Introduction

HH: Pinpoint Tests ➔

This pinpoint test is intended to diagnose the following:

- ESM (9Y456)
- orifice tube assembly (9D477)
- differential pressure feedback exhaust gas recirculation (EGR) sensor pressure hoses
- vacuum lines
- harness circuits: DPFE, SIGRTN, EVR, VPWR and VREF
- powertrain control module (PCM) (12A650)

EGR System Module (ESM) Connector



A0077577

Pin	Circuit
1	EVR (EGR Vacuum Regulator)
4	VPWR (Vehicle Power)
6	SIGRTN (Signal Return)
5	DPFE (Differential Pressure Feedback EGR)
2	VREF (Reference Voltage)

Powertrain Control Module (PCM) Connector

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

Vehicle	Connector	Pin	Circuit

E-Series	190-Pin	E21 E64 E63 E64 E48	EVR SIGRTN VREF SIGRTN DPFE
F-150	190-Pin	E63 E64 B52, E63 B58, E64, T43 E21	EVR SIGRTN VREF SIGRTN DPFE
F-Super Duty	170 Pin	E63 E58 E57 E58 E21	EVR SIGRTN VREF SIGRTN DPFE
Mustang	170 Pin	E63 E58 B40, E57 B41, E58, T41 E21	EVR SIGRTN VREF SIGRTN DPFE
All other vehicles	170 Pin	E63 E58 E57 B41, E58, T41 E21	EVR SIGRTN VREF SIGRTN DPFE

HH: Pinpoint Tests ➡
