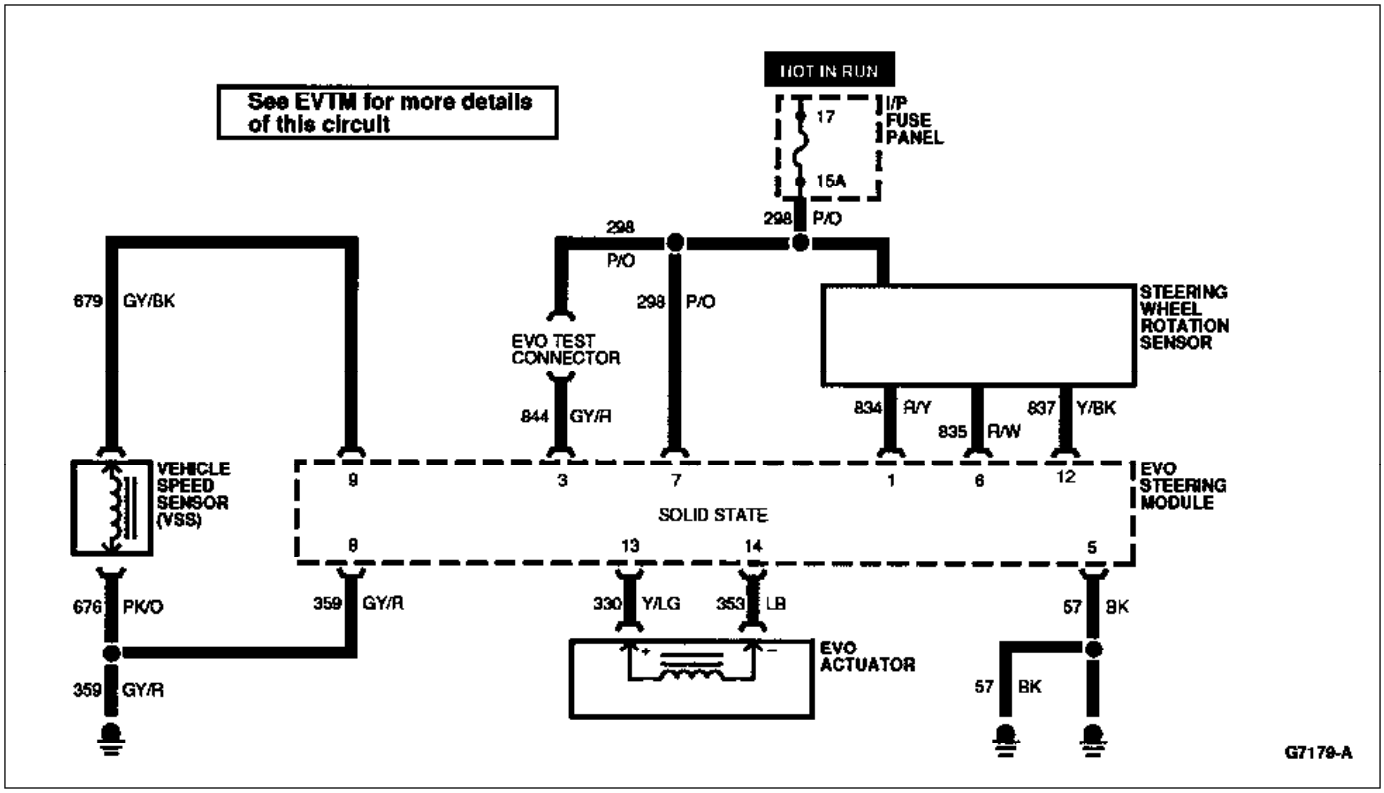
Electrical Component Diagnosis

For Diagnosis and Testing procedures on the standard vehicle use an EVO System Tester 105-00007 or equivalent, and for optional air suspension vehicles use Rotunda SUPER STAR II Tester 007-0041A or equivalent. On vehicles with air suspension, refer to Air Suspension, Optional as outlined.

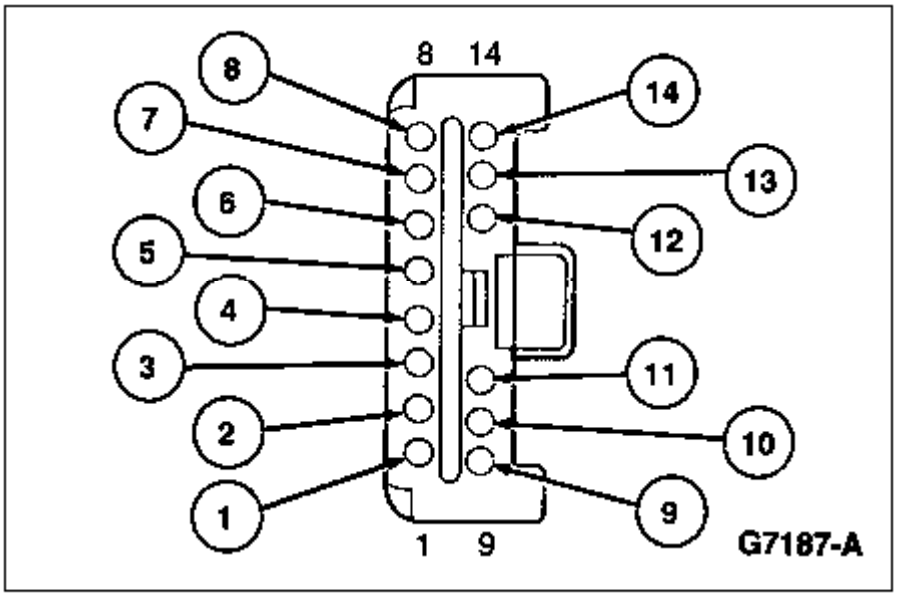
Crown Victoria/Grand Marquis Base Suspension

The EVO (Electronic Variable Orifice) control module contains a lamp driver circuit used to flash diagnostic information for service. This output is also short circuit protected to the battery to avoid damage to controller. If a short exists, the controller will not turn lamp on until power is removed (not applied) from controller and then reapplied. This information will be processed during normal operation and does not require access to a special mode.

The controller is capable of determining if a concern exists in steering wheel sensor signal, vehicle speed sensor signal, or actuator output circuit.

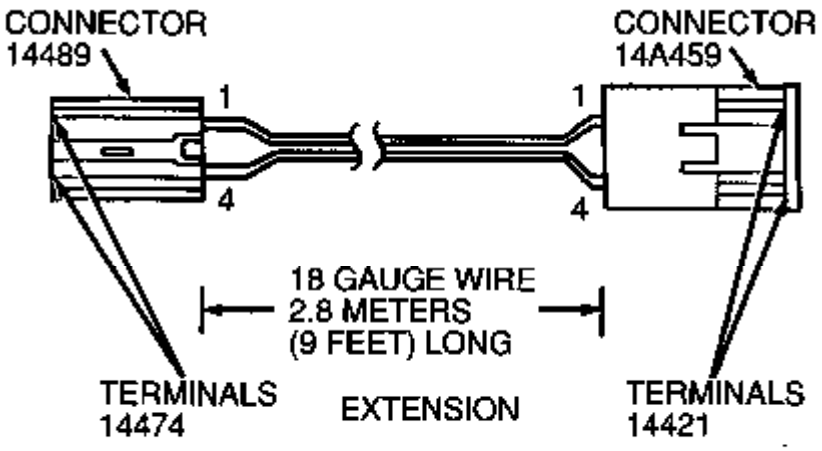


EVO Connector End View



Pin Number	Circuit	Circuit Function
1	834 (R/Y)	Steering Wheel Rotation Rate Input
2	—	Not Used
3	927 (O/BK)	Diagnostic Input
4	—	Not Used
5	57 (BK)	Ground
6	835 (R/W)	Steering Wheel Rotation Rate Input
7	298 (P/O)	Battery Power
8	359 (GY/R)	Vehicle Speed Input (-)
9	679 (GY/BK)	Vehicle Speed Input (+)
10	—	Not Used
11	—	Not Used
12	837 (Y/BK)	Steering Wheel Rotation Sensor
13	330 (Y/LG)	EVO Actuator Control (+)
14	353 (LB)	EVO Actuator Control (-)

With EVO diagnostic connector located in luggage compartment, it is necessary to fabricate a jumper to attach service connection in luggage compartment to Rotunda EVO System Tester 105-00007 or equivalent in passenger compartment. Use the following illustration to fabricate the jumper.



CONNECTOR PART NO.	TERMINAL PART NO.
E9SB-14489-EA	E8UB-14474-AA
F2AB-14A459-CA	E8UB-14421-AA

G6227-A