

WB Data Log Relay Circuit

5-3-2003 (corrected 11-9-2004)

GOAL: Set up multipoint relay to allow switching EGR lines to allow data logging or going back to full EGR operation with flip of a switch.

GIVEN: Currently I manually disconnect EGR plug and connect EGR Valve Position Sensor wire (EEC #27 (GY-R)) to WB output (purple wire on Dan's WB).

Solution: Using a 4PDT relay (Radio Shack #275-214A 12 vDC), allow signal return line (EEC #27) to default to EGR operation (no power to relay). Also, with no power to relay the other two EGR connector wires will be connected to perform their intended function. When activated for data log (power to relay), EEC #27 EGR Valve Position Sensor line will connect to WB output and the remaining two EGR wires will be open circuit (EEC #46 & EEC #26).

CIRCUIT CONNECTIONS

352 BR-LG EGR Valve Position Sensor (EEC #27)

359 GY-R Sensor Signal Return (EEC #46)

351 BR-W Reference Voltage (EEC 26)

RELAY CONNECTIONS

Use EEC pin #57 for power (circuit 361 R)

Use EEC pin 40 for ground (circuit 570 BK-W)

“circuit 361” refers to numbered circuits depicted on wiring diagram for this 1994 Mustang GT.