

30-1 TRANSMISSION CONTROLS (E40D)

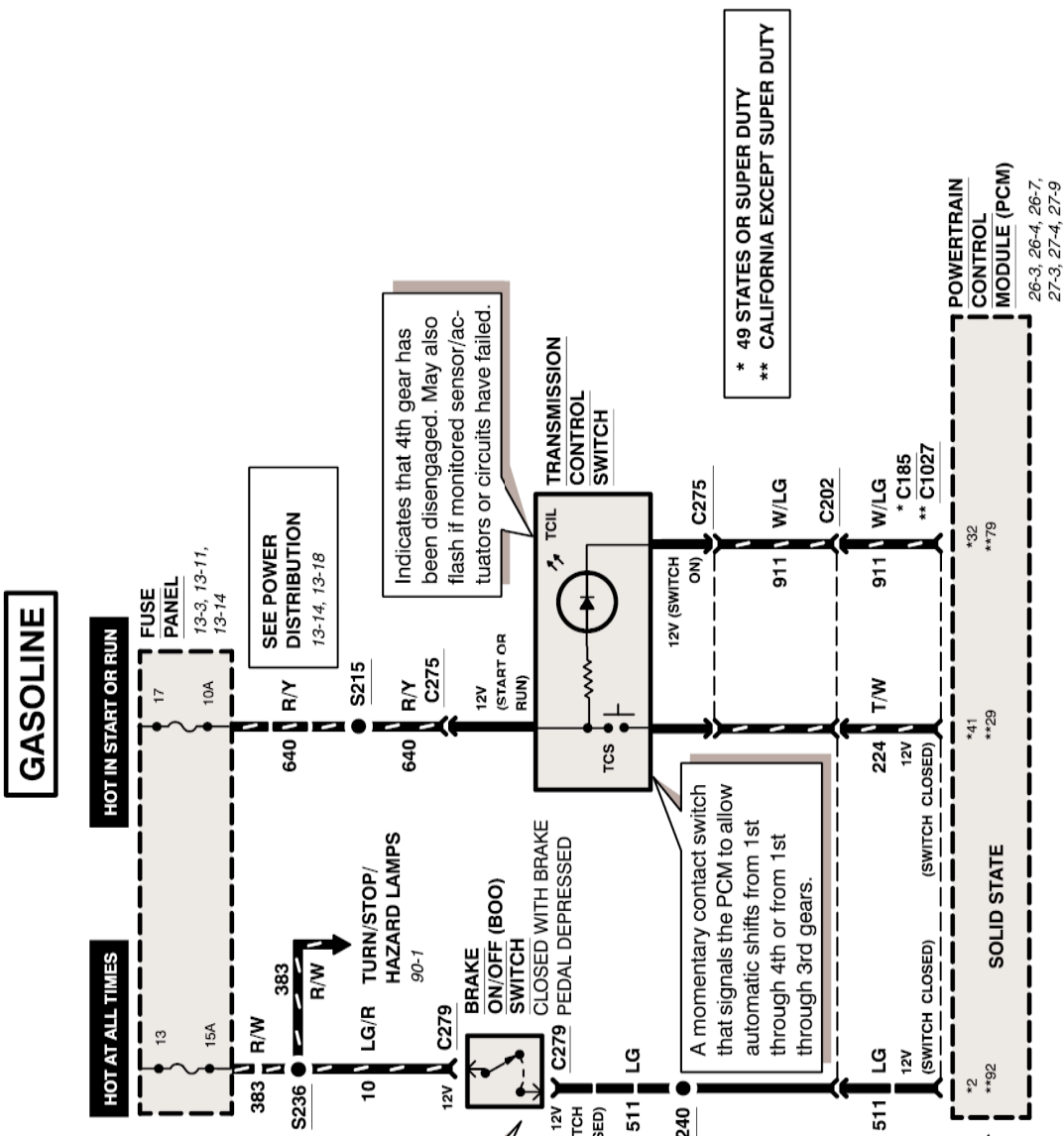
1997 F-250 HD/350/SUPER DUTY

For diagnostic information, refer to Powertrain Control/Emissions Diagnosis Manual or Section 07-01 of the Service Manual.

The BOO switch sends a signal to the PCM to disengage the torque converter clutch when the brake pedal is depressed. This signal may be ignored by the PCM if TP signal is above closed throttle.

SEE TURN/STOP/HAZARD LAMPS 90-2

Uses information from various sensors/actuators to determine powertrain (engine/transmission) operations.

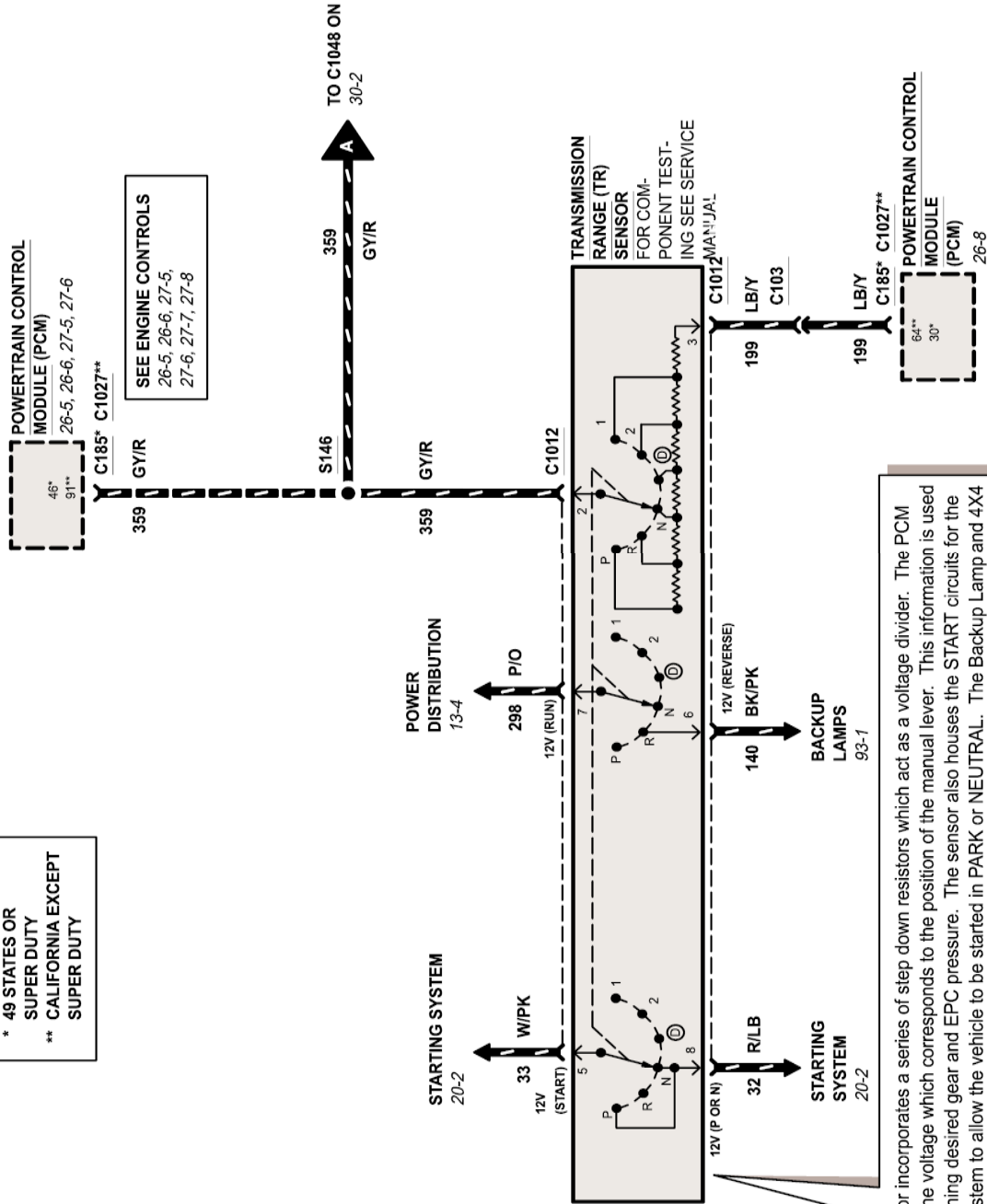


30-3 TRANSMISSION CONTROLS (E40D)

1997 F-250 HD/350/SUPER DUTY

GASOLINE

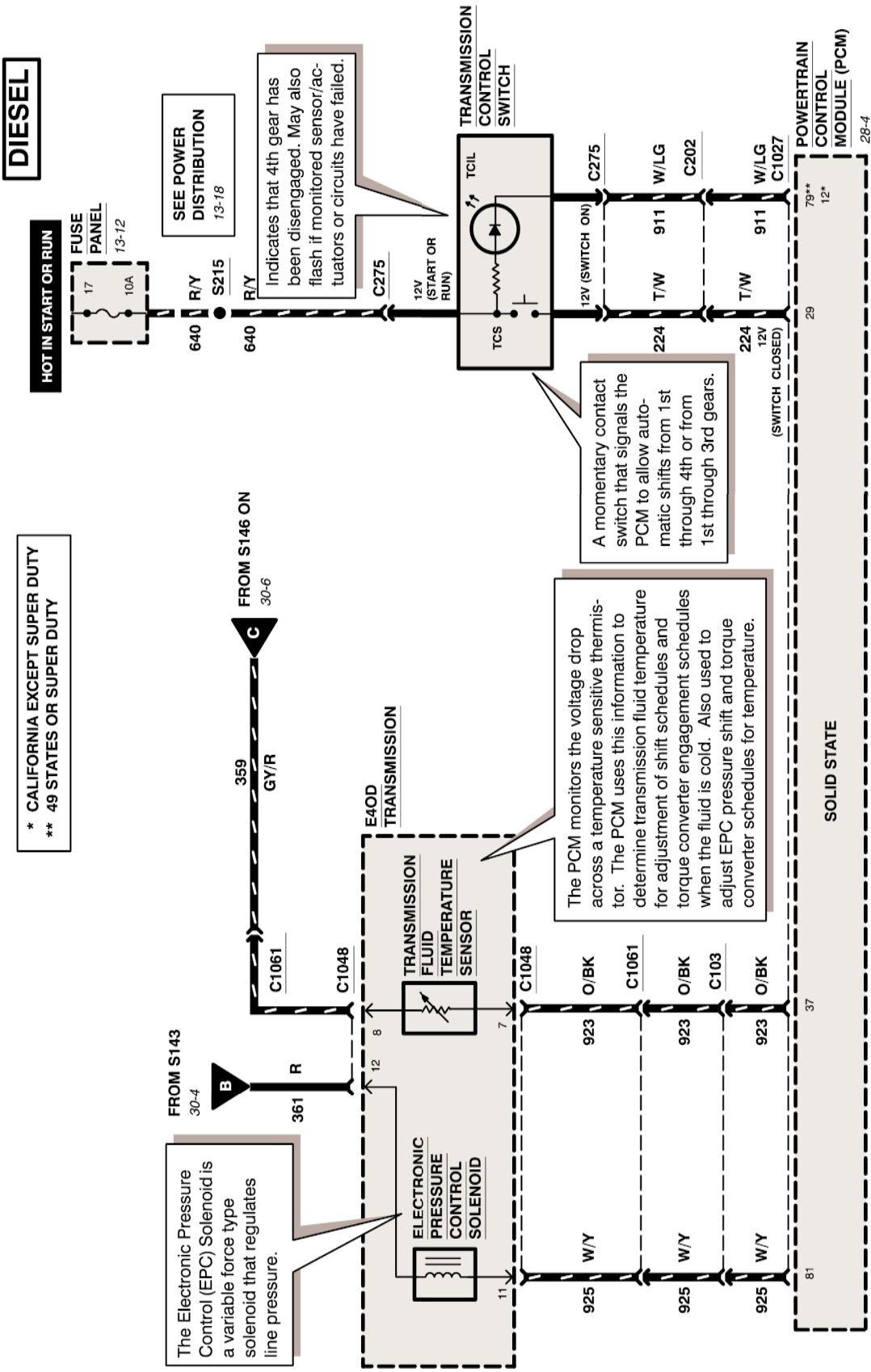
* 49 STATES OR SUPER DUTY
** CALIFORNIA EXCEPT SUPER DUTY



This sensor incorporates a series of step down resistors which act as a voltage divider. The PCM monitors the voltage which corresponds to the position of the manual lever. This information is used in determining desired gear and EPC pressure. The sensor also houses the START circuits for the ignition system to allow the vehicle to be started in PARK or NEUTRAL. The Backup Lamp and 4X4 low-neutral sense circuits, which are closed in reverse, are also contained within this sensor.

30-5 TRANSMISSION CONTROLS (E40D)

1997 F-250 HD/350/SUPER DUTY



TRANSMISSION CONTROLS (E4OD) 30-6

1997 F-250 HD/350/SUPER DUTY

DIESEL

This sensor incorporates a series of step down resistors which act as a voltage divider. The PCM monitors the voltage which corresponds to the position of the manual lever. This information is used in determining desired gear and EPC pressure. The sensor also houses the START circuits for the ignition system to allow the vehicle to be started in PARK or NEUTRAL. The Backup Lamp, which is closed in reverse, is also contained within this sensor, as well as 4X4 neutral sense circuits.

