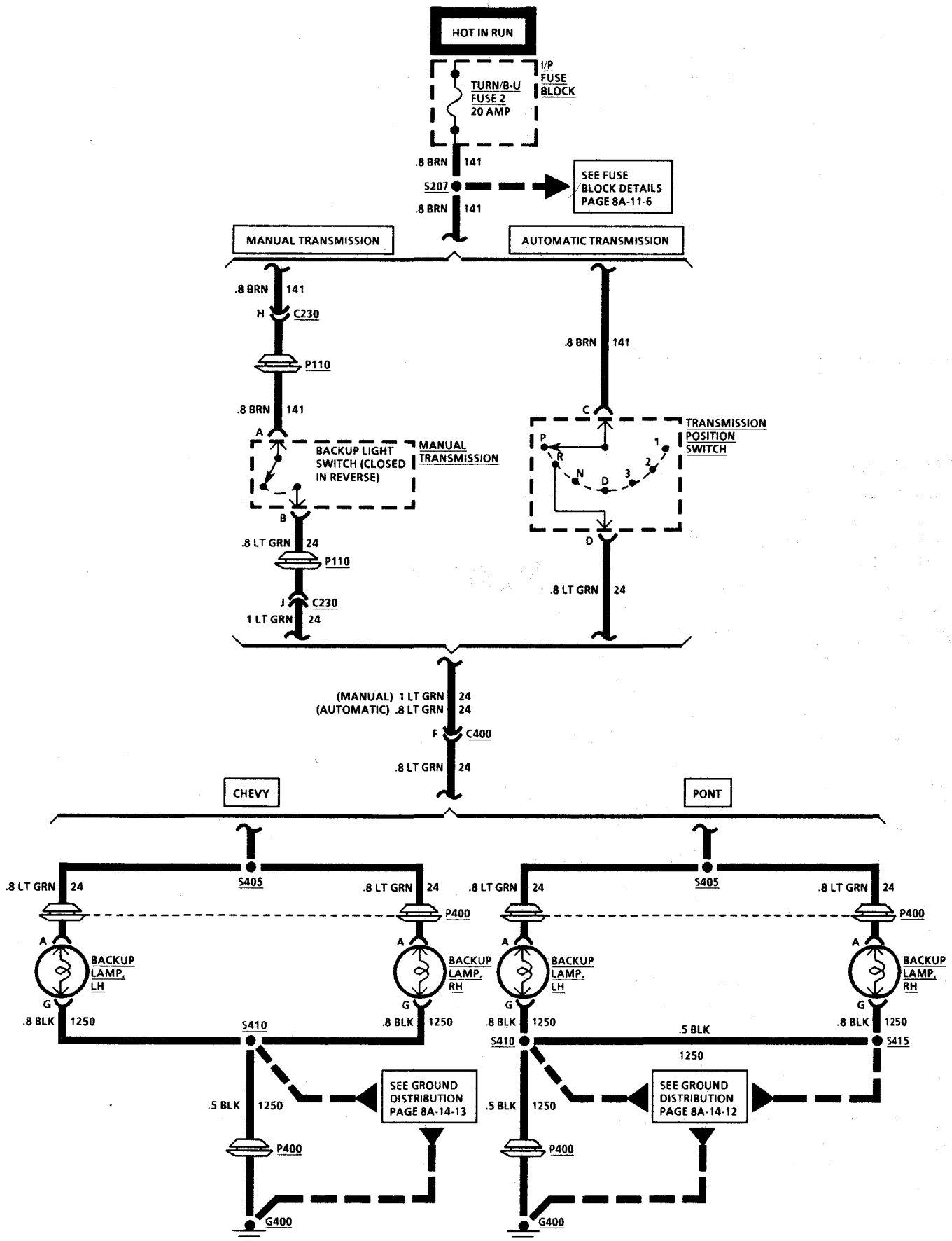


BACKUP LIGHTS



J 39440 Extension Housing Seal Installer,
6-Speed Manual Transmission Assembly

6-speed manual transmission assembly is located on the right-hand side.

↔ Remove or Disconnect

1. Propeller shaft assembly. Refer to SECTION 4A.
2. Output shaft seal (28 or 29) using J 26941 with J 23907.

↔ Install or Connect

NOTICE: See "Notice" on page 7B-1 of this section.

1. Output shaft seal (28 or 29), using J 21426 for 5-speed manual transmission assembly, or J 39440 for 6-speed manual transmission assembly.
2. Lubricate inside diameter of output shaft seal (28 or 29) with transmission fluid.
3. Propeller shaft assembly. Refer to SECTION 4A.

👁 Inspect

- Manual transmission assembly fluid level. Refer to "Checking Manual Transmission Assembly Fluid Level" in this section.

BACKUP LAMP SWITCH ASSEMBLY

The backup lamp switch assembly is located on the left-hand side of the 5-speed manual transmission assembly, while the backup lamp switch assembly on the

Figures 7 and 8

↔ Remove or Disconnect

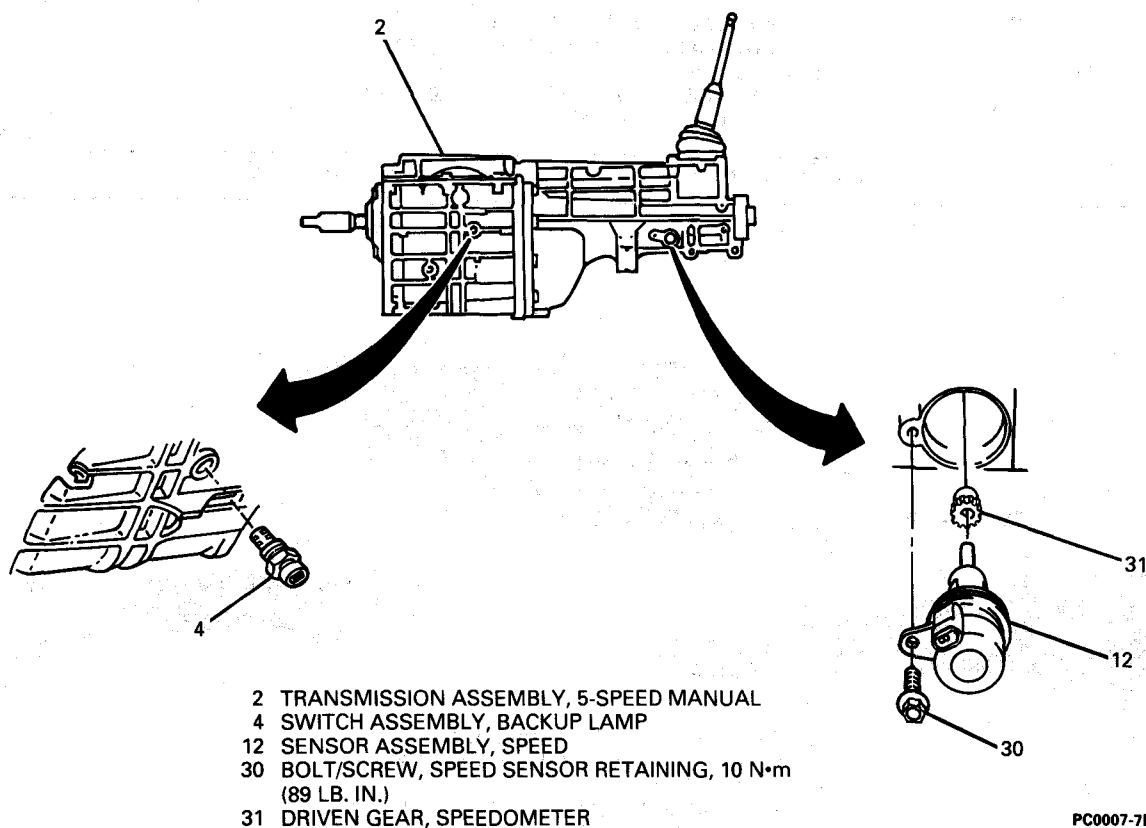
CAUTION: Refer to "Caution" under "Disconnecting the Battery Negative Cable Assembly" in SECTION 0A.

1. Battery negative cable assembly.
2. Raise and suitably support vehicle. Refer to SECTION 0A.
3. Electrical connector from backup lamp switch assembly (3 or 4).
4. Backup lamp switch assembly (3 or 4) from manual transmission assembly (1 or 2).

↔ Install or Connect

NOTICE: See "Notice" on page 7B-1 of this section.

1. Apply thin coating of teflon sealant, GM P/N 1052080 or equivalent to threads of backup lamp switch assembly (3 or 4).
2. Backup lamp switch assembly (3 or 4) to manual transmission assembly (1 or 2).



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Figure 7 – Manual Transmission Backup Lamp Switch and Speed Sensor Assemblies (5-Speed)

 **Tighten**

- Backup lamp switch assembly (4) 38 N•m (28 lb. ft.) for 5-speed manual transmission assembly.
 - Backup lamp switch assembly (3) to 20 N•m (15 lb. ft.) for 6-speed manual transmission assembly.
3. Electrical connector to backup lamp switch assembly (3 or 4).
 4. Lower vehicle.
 5. Battery negative cable assembly.


SPEED SENSOR ASSEMBLY (5-SPEED)

Figure 7

 **Install or Connect**

CAUTION: Refer to “Caution” under “Disconnecting the Battery Negative Cable Assembly” in SECTION 0A.

1. Battery negative cable assembly.
2. Raise and suitably support vehicle. Refer to SECTION 0A.
3. Electrical connector from speed sensor assembly (12).
4. Speed sensor retaining bolt/screw (30) from 5-speed manual transmission assembly (2).
5. Speed sensor assembly (12) and speedometer driven gear (31) from 5-speed manual transmission assembly (2).

 **Install or Connect**

NOTICE: See “Notice” on page 7B-1 of this section.


1. Speedometer driven gear (31) and speed sensor assembly (12) to 5-speed manual transmission assembly (2).
2. Speed sensor retaining bolt/screw (30) to 5-speed manual transmission assembly (2).

 **Tighten**

- Speed sensor retaining bolt/screw (30) to 10 N•m (89 lb. in.).
3. Electrical connector to speed sensor assembly (12).
 4. Lower vehicle.
 5. Battery negative cable assembly.


ELECTRONIC SPEED SENSOR (6-SPEED)

Figure 8

 **Remove or Disconnect**

CAUTION: Refer to “Caution” under “Disconnecting the Battery Negative Cable Assembly” in SECTION 0A.

1. Battery negative cable assembly.
2. Raise and suitably support vehicle. Refer to SECTION 0A.
3. Electrical connector from electronic speed sensor (9).
4. Electronic speed sensor retaining bolt/screw (32) from 6-speed manual transmission assembly (1).
5. Electronic speed sensor (9) from 6-speed manual transmission assembly (1).

 **Install or Connect**

NOTICE: See “Notice” on page 7B-1 of this section.


1. Electronic speed sensor (9) to 6-speed manual transmission assembly (1).
2. Electronic speed sensor retaining bolt/screw (32) to 6-speed manual transmission assembly (1).

 **Tighten**

- Electronic speed sensor retaining bolt/screw (32) to 10 N•m (89 lb. in.).
3. Electrical connector to electronic speed sensor (9).
 4. Lower vehicle.
 5. Battery negative cable assembly.


REVERSE LOCKOUT SOLENOID (6-SPEED)

Figures 8 and 9

 **Remove or Disconnect**

CAUTION: Refer to “Caution” under “Disconnecting the Battery Negative Cable Assembly” in SECTION 0A.

1. Battery negative cable assembly.
2. Raise and suitably support vehicle. Refer to SECTION 0A.
3. Electrical connector from reverse lockout solenoid (7).
4. Reverse lockout bolt/screw (40).
5. Reverse lockout assembly (8).
6. Reverse lockout solenoid (7) from reverse lockout assembly (8).

 **Install or Connect**

NOTICE: See “Notice” on page 7B-1 of this section.

1. Reverse lockout solenoid (7) to reverse lockout assembly (8).

 **Tighten**

- Reverse lockout solenoid (7) to 41 N•m (30 lb. ft.).
2. Reverse lockout assembly (8) to 6-speed manual transmission assembly (1).
 3. Reverse lockout bolt/screw (40).