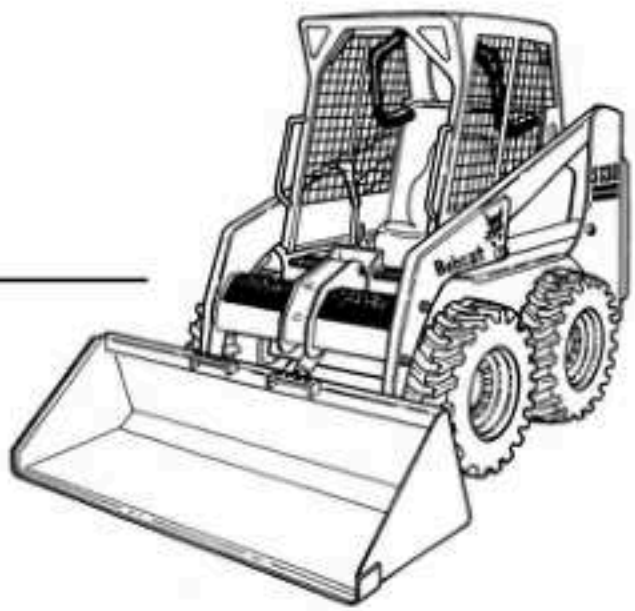
S130

Bobcat®

Service Manual

S/N 527311001 & Above
S/N 527411001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6903151 (2-06)

Ingersoll Rand
Compact Vehicle Technologies

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TRANSPORTING THE BOBCAT LOADER

Procedure

⚠ WARNING

Adequately designed ramps of sufficient strength are needed to support the weight of the machine when loading onto a transport vehicle. Wood ramps can break and cause personal injury.

W-2058-0494

Figure 10-40-1



Be sure the transport and towing vehicles are of adequate size and capacity (See Capacities on Page SPEC-10-4.)

A loader with an empty bucket or no attachment must be loaded backward onto the transport vehicle **[Figure 10-40-1]**.

The rear of the trailer must be blocked or supported (Item 1) **[Figure 10-40-1]** when loading or unloading the loader to prevent the front end of the trailer from raising up.

Figure 10-40-2



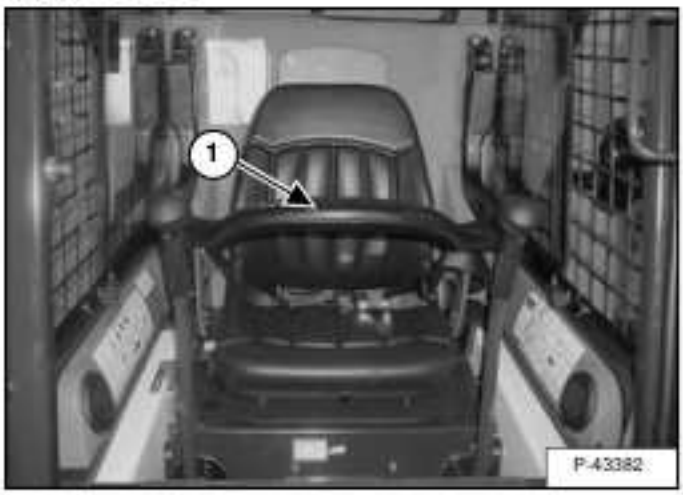
Use the following procedure to fasten the Bobcat loader to the transport vehicle to prevent the loader from moving during sudden stops or when going up or down slopes **[Figure 10-40-2]**.

- Lower the bucket or attachment to the floor.
- Stop the engine.
- Engage the parking brake.
- Install chains at the front and rear loader tie down positions (Inset) **[Figure 10-40-2]**.
- Fasten each end of the chain to the transport vehicle.

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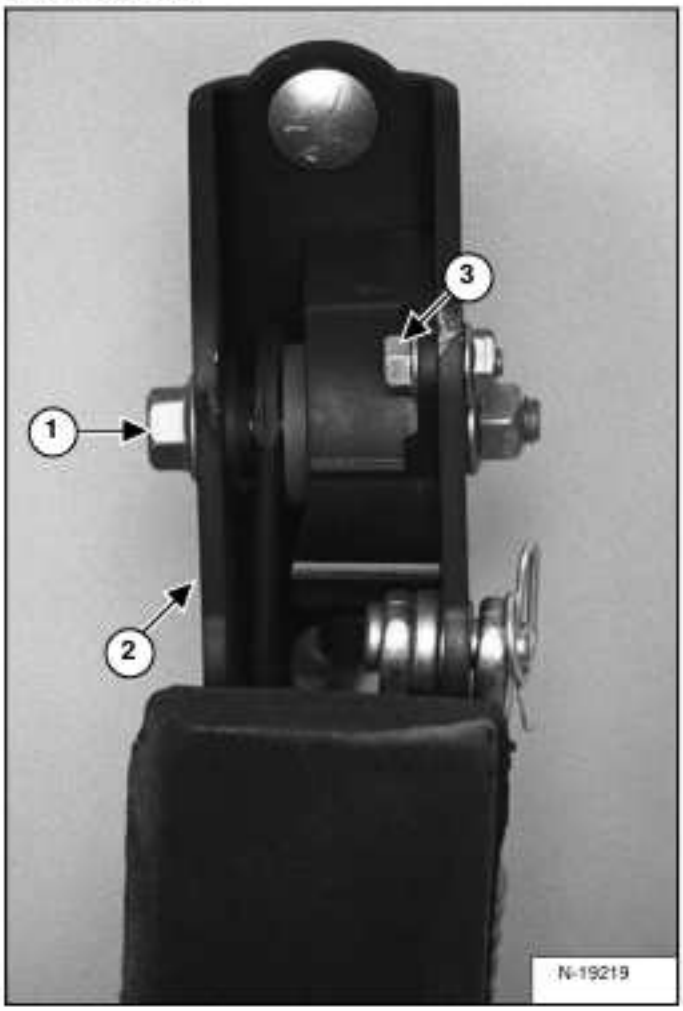
Removal And Installation

Figure 60-100-5



Remove the seat bar (Item 1) **[Figure 60-100-5]** from the loader. (See Removal And Installation on Page 50-10-1.)

Figure 60-100-6



Remove the mounting bolt (Item 1) from the seat bar mount (Item 2) **[Figure 60-100-6]**.

Installation: Tighten the mounting bolt to 50-70 in.-lb. (5,6-7,9 N•m) torque.

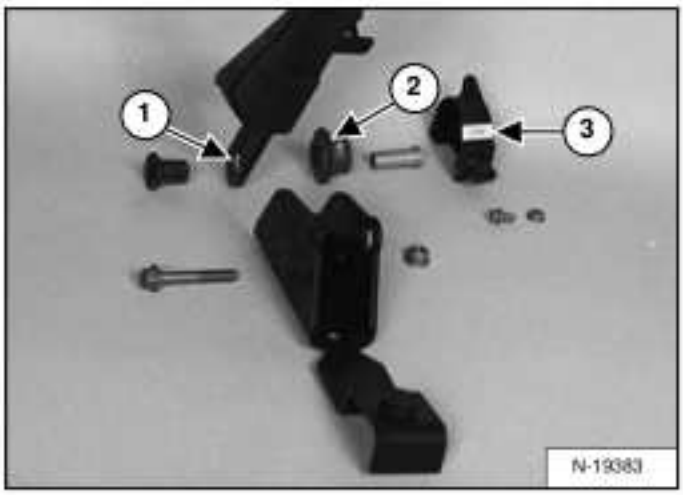
Remove the sensor mounting bolt (Item 3) **[Figure 60-100-6]** and nut.

IMPORTANT

Be careful to not overtighten the sensor mounting bolt and nut to prevent breakage of the sensor.

I-2088-1095

Figure 60-100-7



Remove the keyed plastic bushing (Item 1), magnetic bushing assembly (Item 2) and sensor bracket (Item 3) **[Figure 60-100-7]**.

Installation: Be sure the tabs on the pivot bushing are positioned in the slotted hole (Item 1) **[Figure 60-100-7]** of the seat bar.

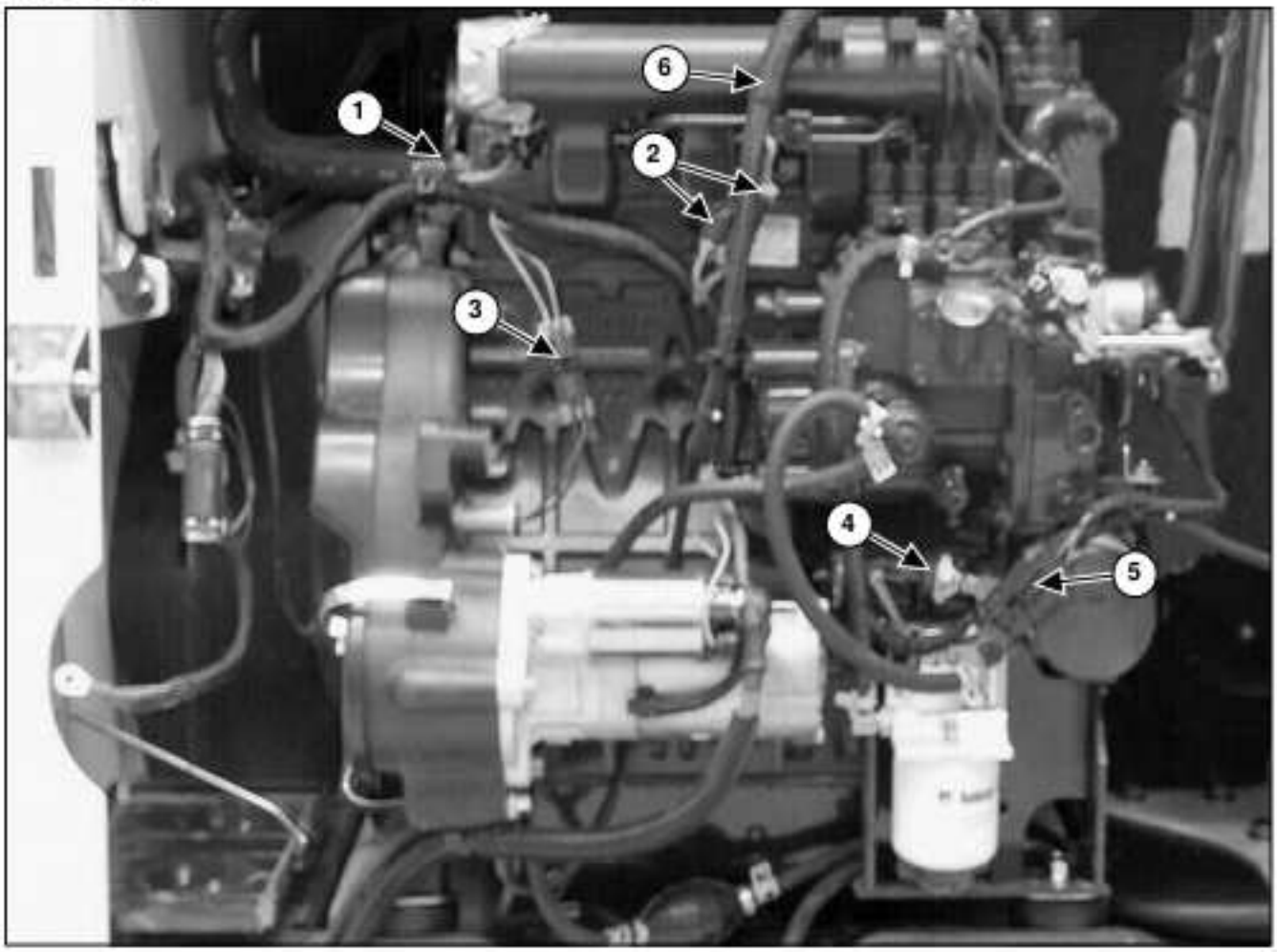
Inspect all parts for damage and wear and replace if necessary.

Reverse the removal procedure to install the seat bar sensor.

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Removal And Installation (Cont'd)

Figure 70-80-11



Disconnect the electrical connectors from the mainframe electrical harness:

(Item 1) glow plugs **[Figure 70-80-11]**

(Item 2) engine electrical harness connectors (2) **[Figure 70-80-11]**

(Item 3) flywheel RPM sensor **[Figure 70-80-11]**

(Item 4) engine oil pressure sensor **[Figure 70-80-11]**

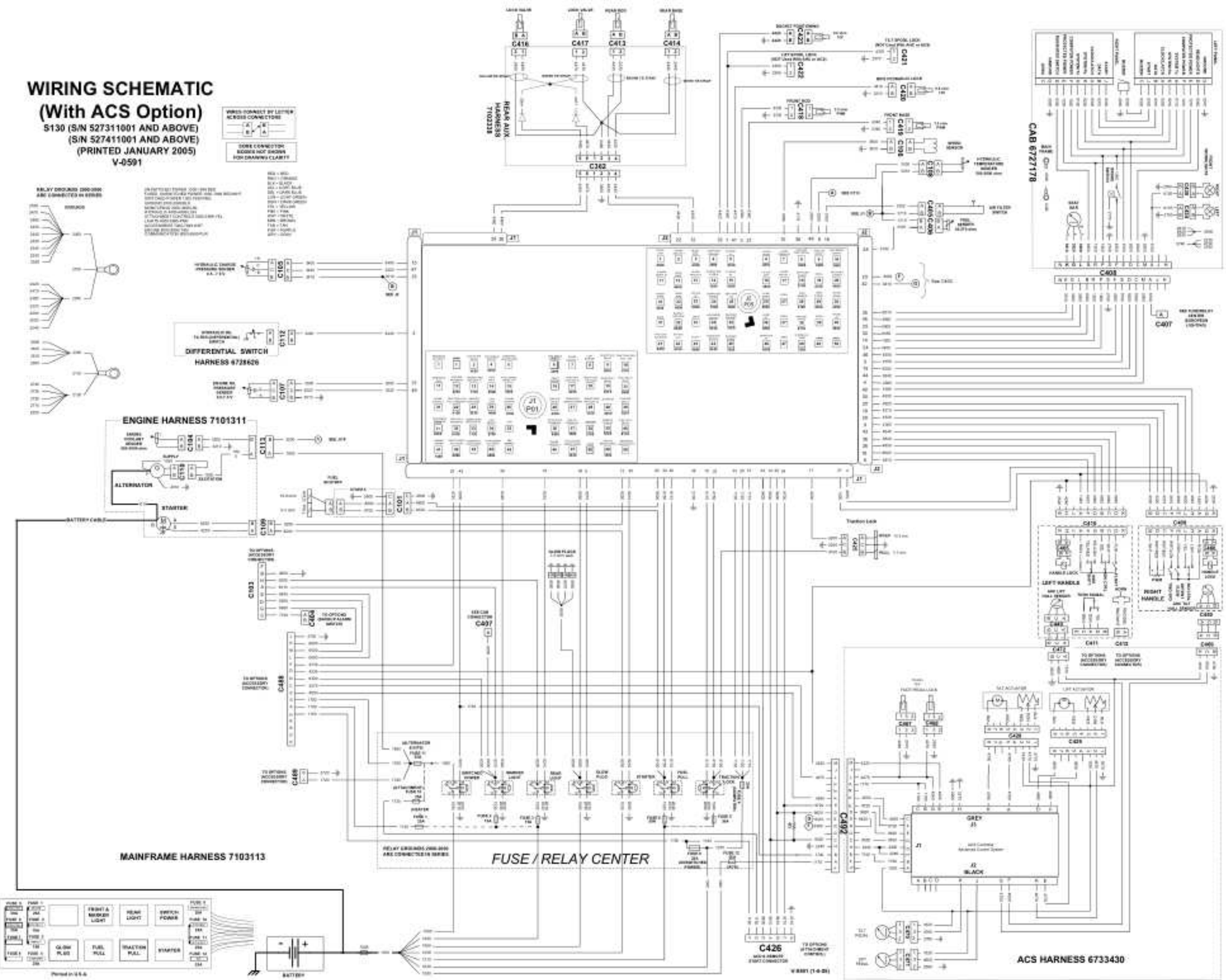
(Item 5) fuel shut-off solenoid **[Figure 70-80-11]**

Note: The engine electrical harness (Item 6) [Figure 70-80-11] can remain on the engine while removing the engine from the loader.

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WIRING SCHEMATIC
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