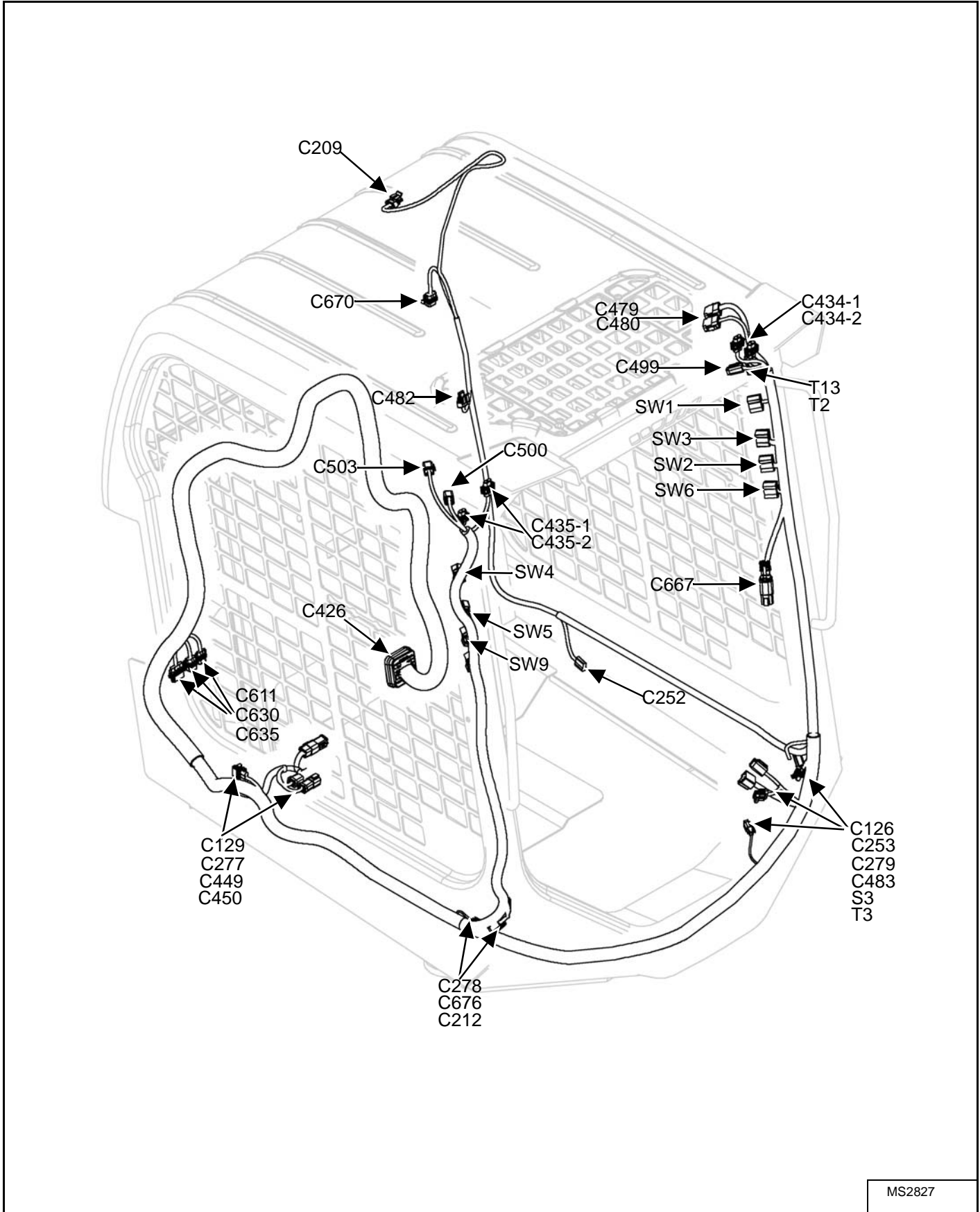


ELECTRICAL SYSTEM INFORMATION (CONT'D)

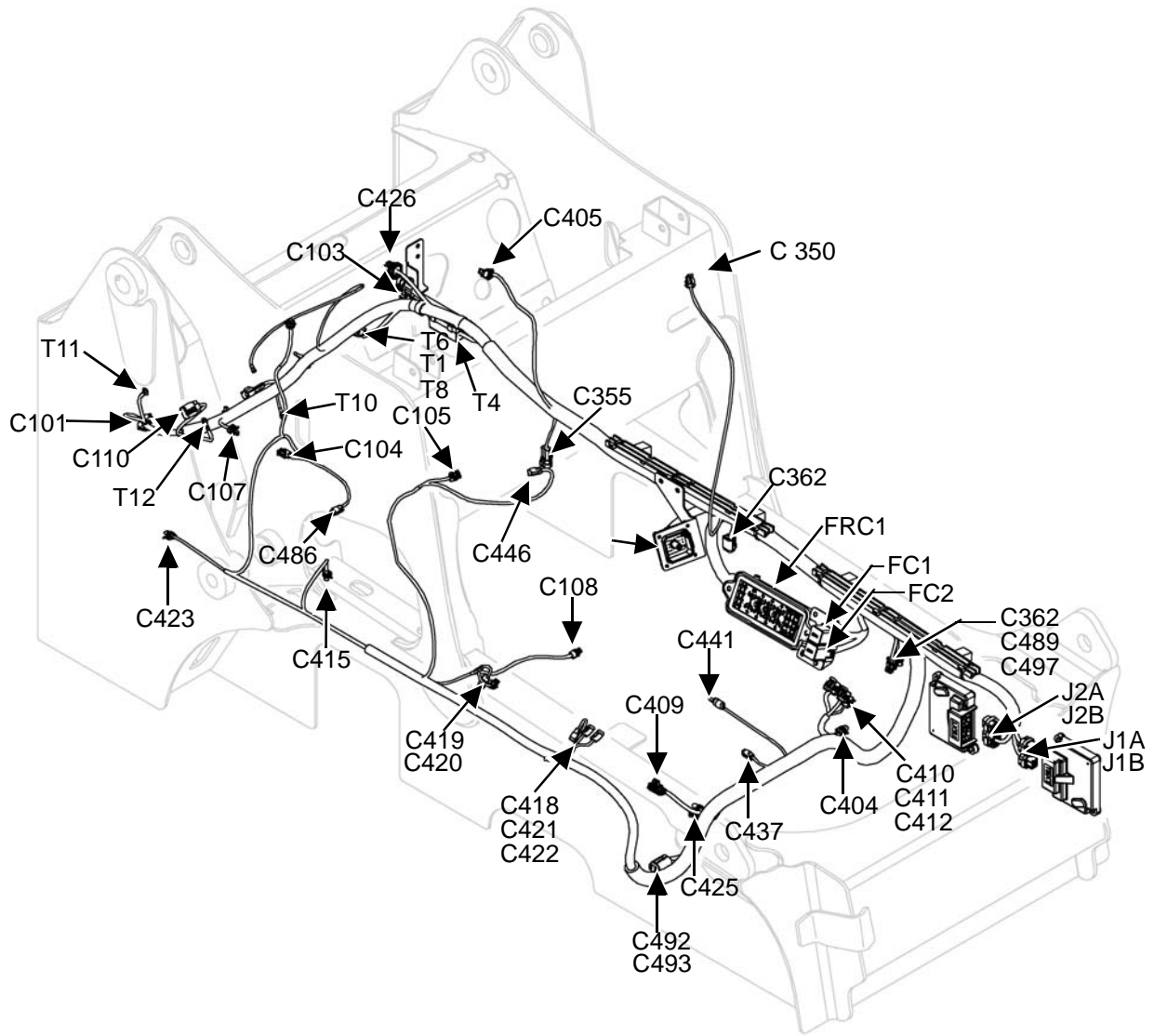
Deluxe Cab Harness Connectors



MS2827

ELECTRICAL SYSTEM INFORMATION (CONT'D)

Mainframe Harness Connectors

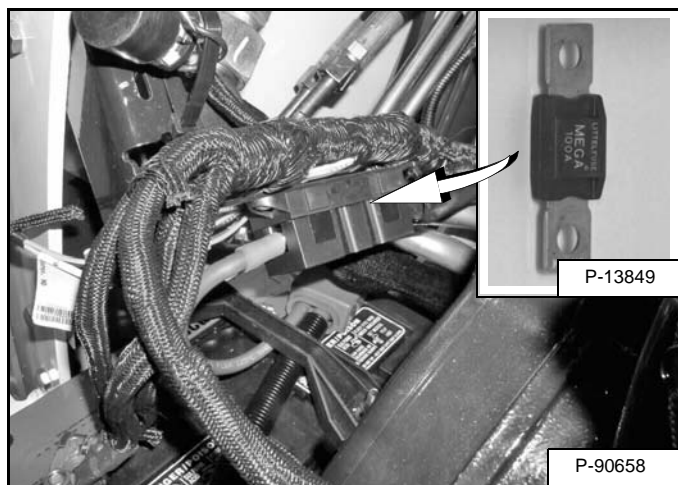


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ELECTRICAL SYSTEM INFORMATION (CONT'D)

Description

Figure 60-10-1



The loader has a 12 volt, negative ground, alternator charging system.

The electrical system is protected by fuses located under the operator cab and a 100 amp master fuse **[Figure 60-10-1]** located above the battery in the engine compartment.

The fuses will protect the electrical system when there is an electrical overload. The reason for the overload must be found before starting the engine again.

ELECTRICAL SYSTEM INFORMATION (CONT'D)

Troubleshooting

The following troubleshooting chart is provided for assistance in locating and correcting problems which are most common. Many of the recommended procedures must be done by authorized Bobcat Service Personnel only.



WARNING

AVOID INJURY OR DEATH

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

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PROBLEM	CAUSE
Battery will not take a charge.	1, 2, 3, 4, 5
Alternator will not charge.	1, 2, 5
Starter will not turn the engine.	2, 3, 4, 6, 7, 8, 9

KEY TO CORRECT THE CAUSE

1. Alternator belt is loose or damaged.
2. Battery connections are dirty or loose.
3. Battery is damaged.
4. The ground connection is not making a good contact.
5. The alternator is damaged.
6. The engine is locked.
7. The starter is damaged.
8. The wiring or solenoid is damaged.
9. Check the fuses.

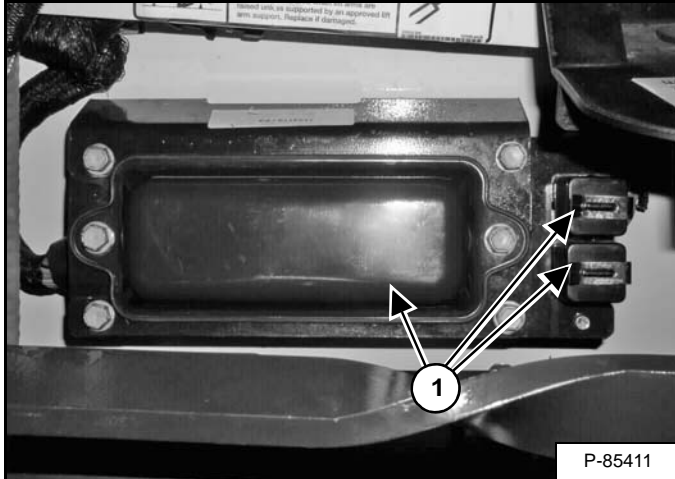
ELECTRICAL SYSTEM INFORMATION (CONT'D)

Fuse And Relay Location / Identification

Earlier Models

Raise the operator cab. (See Raising on Page 10-30-1.)

Figure 60-10-2



The electrical system is protected from overload by fuses and relays located under three fuse panel covers (Item 1) [Figure 60-10-2].

Figure 60-10-3



Remove the covers to check or replace the fuses [Figure 60-10-3].

A decal is located inside the large cover to show location and amperage ratings.

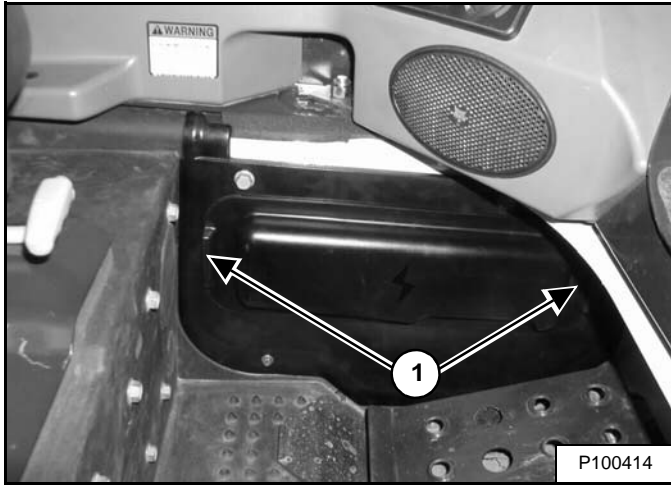
A table is provided with details on amperage ratings and circuits affected by each fuse and relay. [Figure 60-10-7 on Page 60-10-10]

ELECTRICAL SYSTEM (CONT'D)

Fuse And Relay Location / Identification (Cont'd)

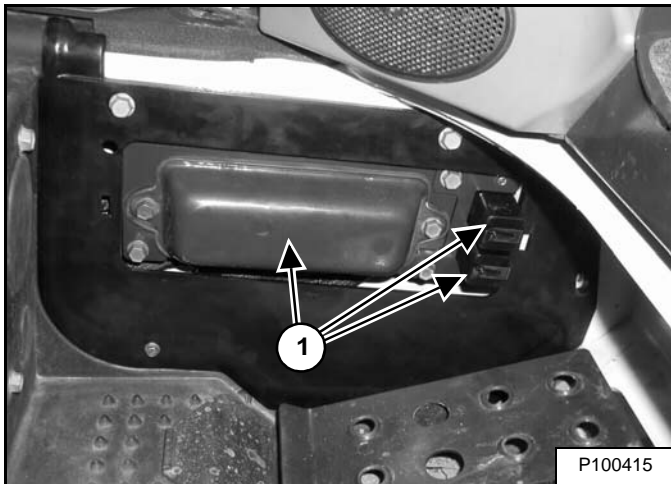
Later Models

Figure 60-10-4



The fuse / relay panels are located behind an access panel near the left foot pedal / footrest. Pull the panel at each end (Item 1) [Figure 60-10-4] to remove.

Figure 60-10-5



The electrical system is protected from overload by fuses and relays located under three fuse panel covers (Item 1) [Figure 60-10-5].

Figure 60-10-6



Remove the covers to check or replace the fuses [Figure 60-10-6].

A decal is located inside the access panel to show location and amperage ratings.

Line up the clips on the back of the access panel with the slots provided and push the panel into place when finished [Figure 60-10-4]. A locating pin prevents the panel from being installed upside down.

A table is provided with details on amperage ratings and circuits affected by each fuse and relay. [Figure 60-10-7 on Page 60-10-10]