

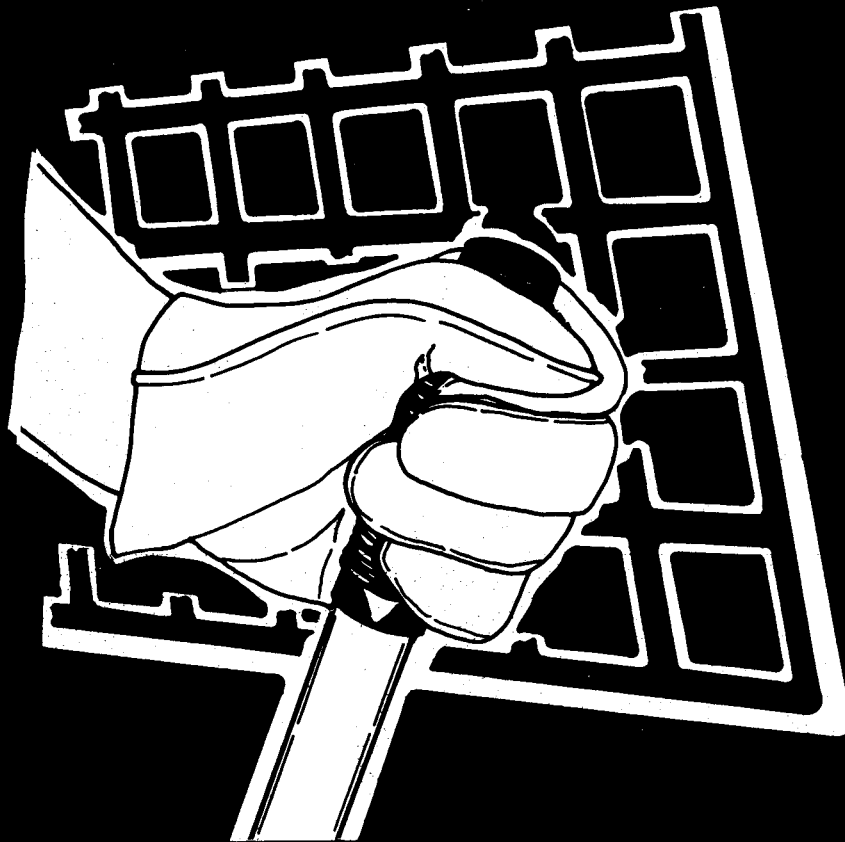


bobcat

843

S/N 13000 & BELOW

OPERATOR'S MANUAL



CLARK Melroe
Division

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OPERATING INSTRUCTIONS

DO NOT operate the Bobcat loader until you have read this operator's manual completely.

Instructions for operating the Bobcat loader with safety and efficiency are given on the following pages.

Carefully follow these instructions to take advantage of the Bobcat loader's design.

You must remember operator safety at all times while you operate the loader.

Read the safety instructions inside the front cover of the operator's manual.

It is important that you use the following procedures when you operate the loader.

1. Use the safety treads and grab handles when you get on or off the loader (Fig. 1).

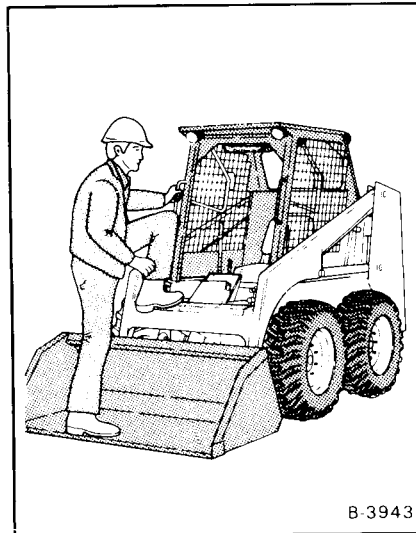


Fig. 1 Using Safety Treads & Grab Handles

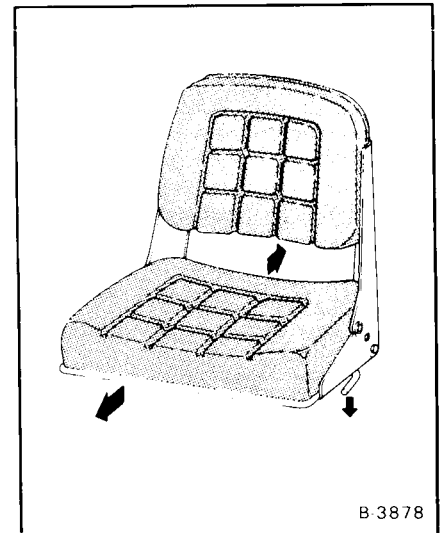


Fig. 2 Seat Adjustment

1. Use the safety treads and grab handles when you get on or off the loader (Fig. 1).

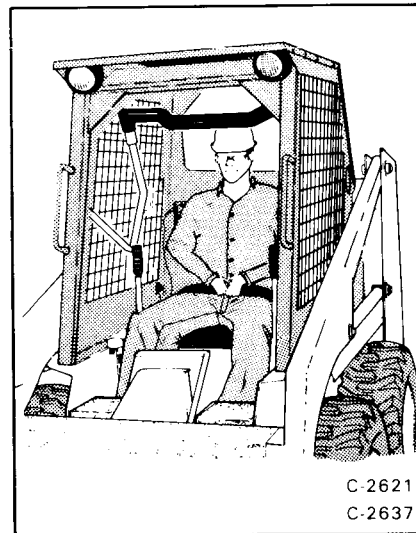


Fig. 3 Fastening Seat Belt

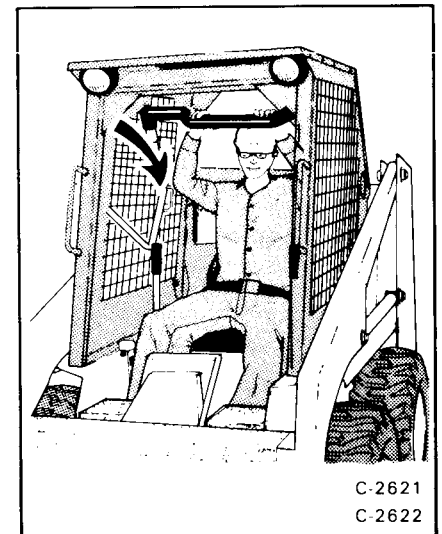


Fig. 4 Lowering Seat Bar

⚠ WARNING

Remember to stop the engine, engage the parking brake and lower the lift arms before you get off the loader.

2. Adjust the seat position for easy operation of the loader (Fig. 2). Adjust and fasten the seat belt (Fig. 3) and lower the seat bar (Figs. 4, 5 and 6). Check that the parking brake is engaged before you start the engine.

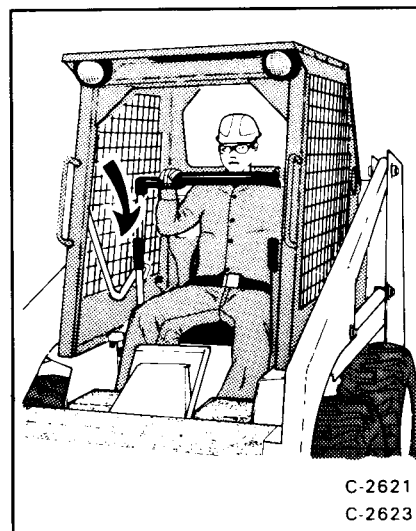


Fig. 5 Lowering Seat Bar

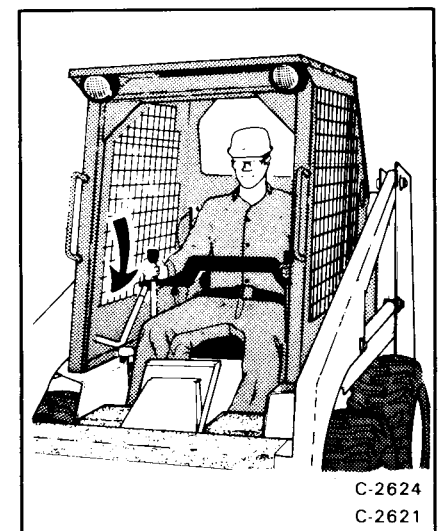


Fig. 6 Seat Bar Lowered

Installation of Attachments

The Bobcat is equipped with a Bob-Tach system. The Bob-Tach is used for fast changing of buckets and attachments.

To install an attachment such as a bucket:

1. Pull up on the two Bob-Tach locking levers.

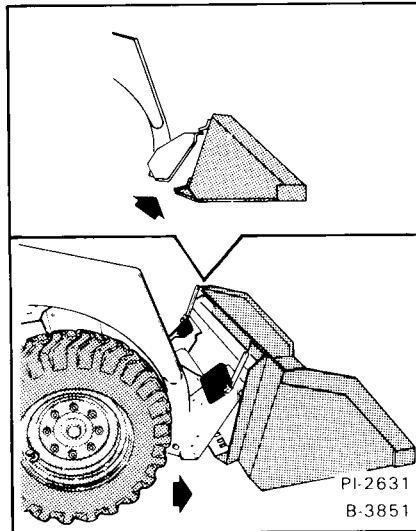
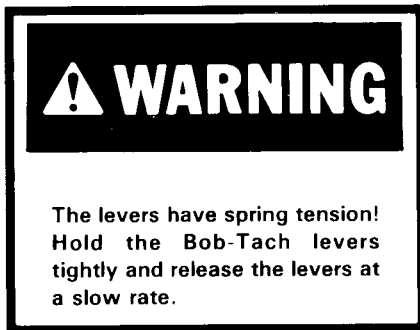


Fig. 25 Installing the Bucket

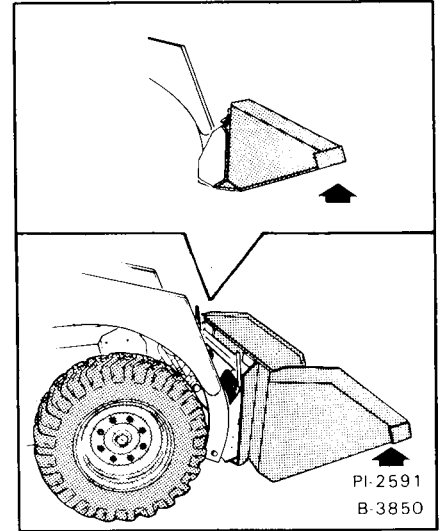


Fig. 26 Lifting Bucket

2. Tilt the Bob-Tach forward. Drive forward to the bucket until the top edge of the Bob-Tach is under the flange of the bucket and centered (Fig. 25). DO NOT damage the Bob-Tach levers.
3. Tilt the Bob-Tach backward until the bucket is lifted off the ground (Fig. 26). Stop the engine.
4. Push down on the Bob-Tach levers (Fig. 27) until the levers are in the locked position.
5. Check that the wedges (Fig. 28, Item 1) extend through the holes (Fig. 28, Item 2) in the attachment.

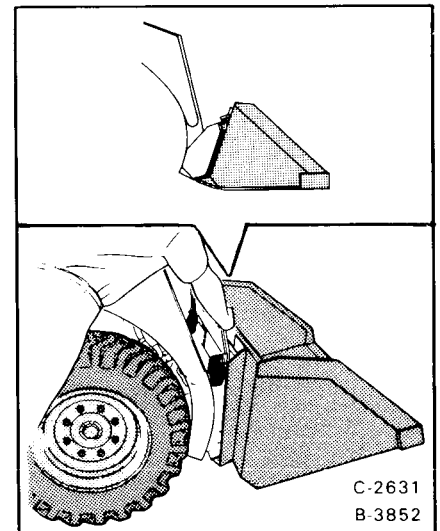


Fig. 27 Locking Bob-Tach Levers

Removal of Attachments

1. Fully lower the lift arms and tilt the Bob-Tach forward so that the front of the bucket is just above the ground. Stop the engine.
2. Pull up on the Bob-Tach levers until they stop.
3. Start the engine and tilt the Bob-Tach forward. Drive the Bobcat loader backwards away from the attachment.

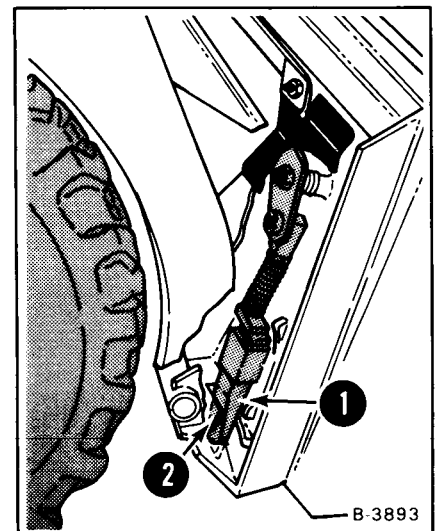


Fig. 28 Locking Wedges

CORRECT



▲ Read the Operator's Manual.

CORRECT



▲ Check oil daily. Use recommended fluids.

CORRECT



▲ Use lift arm stops before working under raised lift arms.

CORRECT



▲ Cleaning and maintenance are required daily.

! WARNING

DO NOT service the Bobcat loader without instructions or taking the necessary safety precautions.

▲ Stop and cool engine before adding fuel. NO SMOKING.

▲ Do not service loader without using a lift arm stop when lift arms are raised.

▲ Do not lift or lower operator guard without instructions from Operator's Manual or Service Manual.

▲ Do not lift or lower operator guard without jackstands or blocks under rear corners of loader.

▲ Do not stand on loader when lifting or lowering operator guard.

▲ Keep rear door closed except for service.

▲ Stop, cool, and clean engine of flammable material.

▲ Keep body, loose objects, and clothing away from electrical contacts, moving parts, hot parts, and exhaust.

▲ When connecting extra battery for "jump" start always make the last connection (negative cable) to the engine never at the battery. When removing the "jump" start cables, always remove the negative (-) cable from the engine first.

▲ Lead acid batteries produce flammable and explosive gases. Keep arcs, sparks, flames, and lighted tobacco away from the battery.

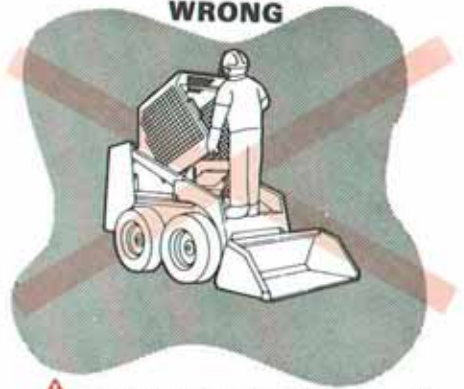
▲ Battery acid causes severe burns. If acid contacts eyes, skin or clothing flush well with water. For contact with eyes get immediate medical attention.

▲ Do not modify equipment or add attachments not approved by manufacturer.

▲ **WARNING:** Failure to obey warnings may cause injury or death.

▲ Safety Alert Symbol

WRONG



▲ Two people standing on the ground are needed to raise the operator guard.

WRONG



▲ Do not wear loose clothing around the loader.

WRONG



▲ Machine must be stopped and cool before checking fluids.

WRONG



▲ Do not arc battery.

To service the electrical system:

1. Check that the battery cables are clean and tight and the water level of the batteries. Remove any acid or corrosion from the battery and cables with a sodium bicarbonate and water solution (Fig. 63). Cover the terminals with grease to prevent corrosion.
2. Check the tension of the alternator belt (See figure 60 for the correct belt adjustment).
3. Make sure that all wire connectors are tight.
4. Check all wires to be sure they are not broken or open wires.

NOTE: The warning lights will come "ON" when the key switch is turned "ON". When the engine is started the lights must go "OFF"; if they do not, stop the engine and find the problem.

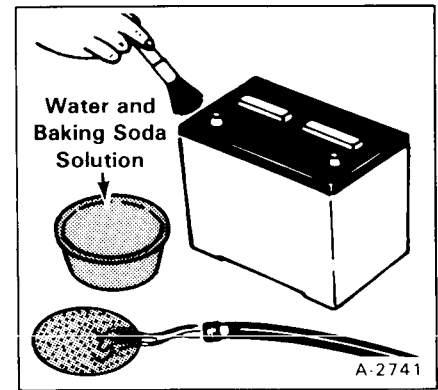


Fig. 63 Cleaning the Battery

USING AN EXTRA BATTERY

! WARNING

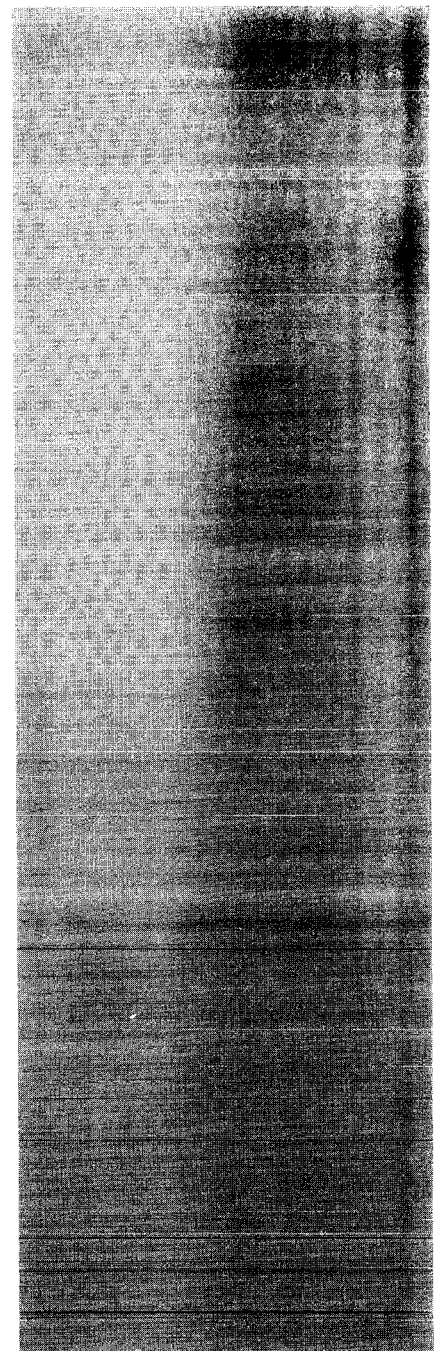
Lead-acid batteries produce flammable and explosive gases. Keep arcs, sparks, flames and lighted tobacco away from the battery. Make a "jump" start connection as recommended by the manufacturer. When connecting an extra battery for "jump" start always make the last connection (negative cable) to the engine (never at the battery). When removing the "jump" start cables, always remove the negative cable from the engine first.

If it is necessary to use an extra battery to start the engine, BE CAREFUL! This is a two-person operation. There must be one person in the operator's seat and one person to connect and disconnect the battery cables.

! WARNING

Lead-acid batteries contain sulfuric acid which will damage the eyes or skin on contact. Always wear goggles to avoid acid in the eyes. If acid contacts the eyes, wash immediately with much clean water and get medical attention. Wear rubber gloves and protective clothing to keep acid off the skin. If acid contacts the skin, wash off immediately with clean water.

1. The ignition must be in the off position.
2. The battery to be used must be of the same voltage.
3. Battery terminals have identification marks. The positive terminal is marked (+) and the negative terminal is marked (-).
4. The negative terminal (-) of the battery must be connected to the engine.

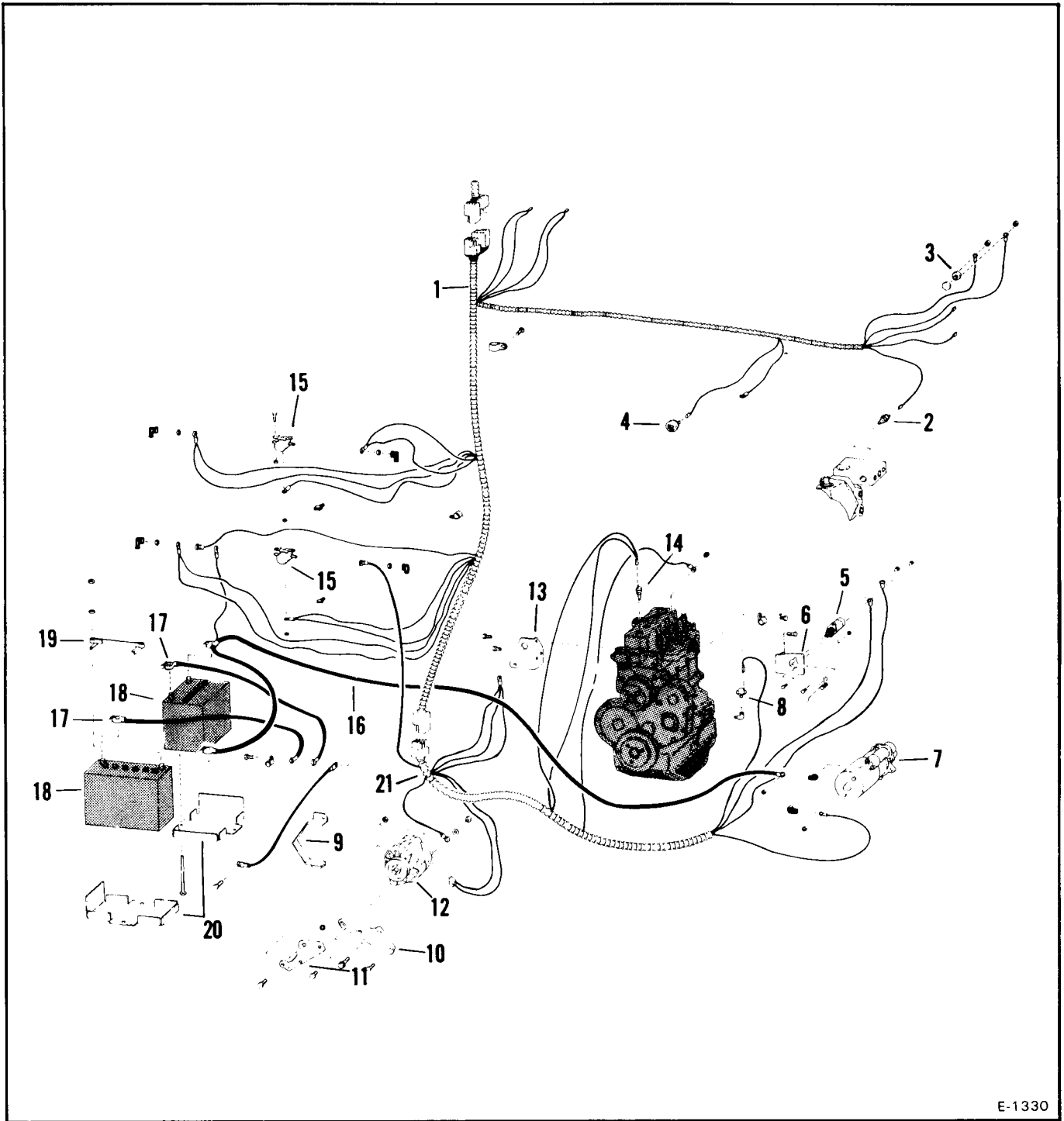


TROUBLESHOOTING

TROUBLESHOOTING THE DRIVE SYSTEM	38
TROUBLESHOOTING THE ENGINE	37
TROUBLESHOOTING THE HYDRAULIC SYSTEM	39

**TROUBLE —
SHOOTING**

)



E-1330

ENGINE ELECTRICAL

Ref.	Description	Ref.	Description	Ref.	Description
1.	Harness	8.	Switch, engine oil pressure	15.	Solenoid
2.	Sender, temperature	9.	Shield, alternator	16.	Cable (positive)
3.	Switch, brake	10.	Bracket	17.	Cable (negative)
4.	Sender, pressure	11.	Bracket	18.	Battery
5.	Solenoid	12.	Alternator	19.	Clamp
6.	Bracket	13.	Bracket	20.	Mount, battery
7.	Starter	14.	Switch, engine temperature	21.	Harness

DECALS

IMPRORTANT	58
SERVICE SCHEDULE	54
WARNING 6563484	53
WARNING 6561380	56
WARNING 6563380	57

DECALS

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