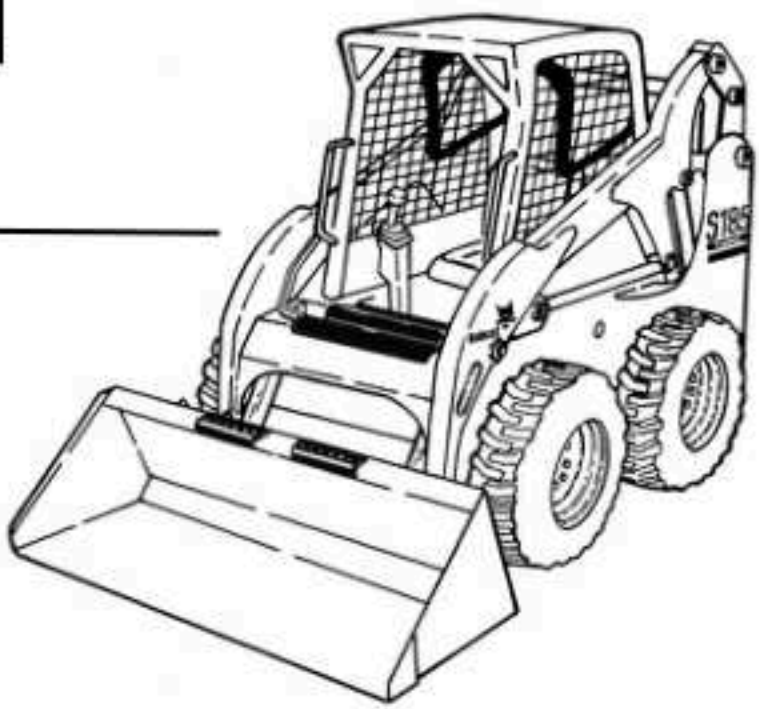
S175
S185
TURBO

INCLUDES HIGH FLOW

Bobcat®

Service Manual

S/N 517625001 & Above
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EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

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ALPHABETICAL INDEX

ADVANCED CONTROL SYSTEM (ACS) 60-01
AIR CLEANER 70-01
AIR CLEANER SERVICE 10-01
AIR CONDITIONING SERVICE 80-01
AIR CONDITIONING SYSTEM FLOW 80-01
ALTERNATOR 60-01

BASIC TROUBLESHOOTING 80-01
BATTERY 60-01
BOBCAT CONTROLLER 60-01
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™) 60-01
BOB-TACH 10-01, 50-01
BRAKE 40-01
BUCKET POSITION VALVE 20-01

CHAINCASE 40-01
CHARGE PRESSURE 30-01
COMPONENTS 80-01
COMPRESSOR 80-01
CONDENSER 80-01
CONTROL HANDLE 50-01
CONTROL PANEL 50-01
CONTROL PEDALS 50-01
CONVERSIONS SPEC-01
COOLING FAN 70-01
CYLINDER (LIFT) 20-01
CYLINDER (POWER BOB-TACH) 20-01
CYLINDER (TILT) 20-01

DECIMAL & MILLIMETER EQUIVALENTS ... SPEC-01
DIAGNOSTICS 60-01
DRIVE BELT 30-01
DRIVE COMPONENTS 40-01

ELECTRICAL/HYD. CONTROLS REF 60-01
ELECTRICAL SYSTEM INFORMATION 60-01
ENGINE 70-01
ENGINE COMPONENTS AND TESTING 70-01
ENGINE COOLING SYSTEM 10-01
ENGINE LUBRICATION SYSTEM 10-01
ENGINE SPECIFICATIONS SPEC-01
ENGINE SPEED CONTROL 70-01
EVAPORATOR 80-01
EVAPORATOR/HEATER UNIT 80-01
EXPANSION VALVE 80-01

FAN GEARBOX 10-01
FINAL DRIVE TRANSMISSION (CHAINCASE) .. 10-01
FLYWHEEL AND HOUSING 70-01
FRONT AUXILIARY HYD. COUPLER BLOCK 20-01
FUEL SYSTEM 10-01
FUEL TANK 50-01

GENERAL AIR CONDITIONING SERVICE
GUIDELINES 80-01

HEATER COIL 80-01-0
HEATER VALVE 80-01
HEATER/AC FAN 80-01
HYDRAULIC CONNECTION SPECS SPEC-01
HYDRAULIC CONTROL VALVE 20-01
HYDRAULIC FILTER HOUSING 20-01
HYDRAULIC FLUID RESERVOIR 20-01
HYDRAULIC/HYDROSTATIC
FLUID SPECIFICATIONS SPEC-01
HYDRAULIC/HYDROSTATIC SYSTEM 10-01
HYDRAULIC PUMP 20-01
HYDRAULIC SYSTEM INFORMATION 20-01
HYDROSTATIC MOTOR 30-01
HYDROSTATIC PUMP 30-01
HYDROSTATIC SYSTEM INFORMATION 30-01

INSTRUMENT PANEL 60-01

LIFT ARM 50-01
LIFT ARM BY-PASS CONTROL VALVE 20-01
LIFT ARM SUPPORT DEVICE 10-01
LIFTING AND BLOCKING THE LOADER 10-01
LIGHTS 60-01
LOADER SPECIFICATIONS SPEC-01
LOADER TORQUES SPEC-01
LUBRICATION OF THE BOBCAT LOADER 10-01

MAIN RELIEF VALVE 20-01
MUFFLER 70-01

OIL COOLER 30-01
OPERATOR CAB 10-01, 50-01
OPERATOR SEAT 50-01
OPERATOR SEAT (SUSPENSION) 50-01

POWER BOB-TACH (OPTION) 10-01, 50-01
POWER BOB-TACH BLOCK 20-01
PRESSURE RELIEF VALVE 80-01
PRESSURE SWITCH 80-01

RADIATOR 70-01
REAR AUXILIARY DIVERTER VALVE 20-01
REAR DOOR 50-01
REAR GRILL 50-01
RECEIVER/DRIER 80-01
RECONDITIONING THE ENGINE 70-01
REGULAR MAINTENANCE 80-01
REMOTE START 10-01

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SAFETY 80-01
SEAT BAR 50-01
SEAT BAR SENSOR 60-01
SELECT VALVE 20-01
SERVICE SCHEDULE 10-01
SPARK ARRESTOR MUFFLER 10-01
STANDARD TORQUE SPECIFICATIONS
FOR BOLTS SPEC-01
STARTER 60-01
SYSTEM CHARGING AND RECLAMATION 80-01
SYSTEM TROUBLESHOOTING CHART 80-01

TEMPERATURE/PRESSURE 80-01
THERMOSTAT 80-01
TIRE MAINTENANCE 10-01
TORQUE SPECIFICATIONS FOR BOLTS SPEC-01
TOWING THE LOADER 10-01
TRACTION LOCK 60-01
TRANSPORTING THE BOBCAT LOADER 10-01
TROUBLESHOOTING 70-01
TURBOCHARGER 70-01

U.S. TO METRIC CONVERSION SPEC-01

ACS- ADVANCED CONTROL SYSTEM
AHC- ADVANCED HAND CONTROL SYSTEM
BICS™-BOBCAT INTERLOCK CONTROL SYSTEM

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CONTENTS

FOREWORD II

SAFETY INSTRUCTIONS V

FIRE PREVENTION VII

SERIAL NUMBER LOCATION X

DELIVERY REPORT XI

BOBCAT LOADER IDENTIFICATION XII

SAFETY AND MAINTENANCE 10-01

HYDRAULIC SYSTEM 20-01

HYDROSTATIC SYSTEM 30-01

DRIVE SYSTEM 40-01

MAIN FRAME 50-01

ELECTRICAL SYSTEM 60-01

ENGINE SERVICE 70-01

HEATING, VENTILATION, AIR CONDITIONING 80-01

SPECIFICATIONS SPEC-01

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TRACTION LOCK

Troubleshooting Chart

The following troubleshooting chart is provided for assistance in locating and correcting BICS system problems. It is recommended that these procedures be done by authorized Bobcat Service Personnel only.

⚠ WARNING

Check for correct function after adjustments, repairs or service. Failure to make correct repairs or adjustments can cause injury or death.

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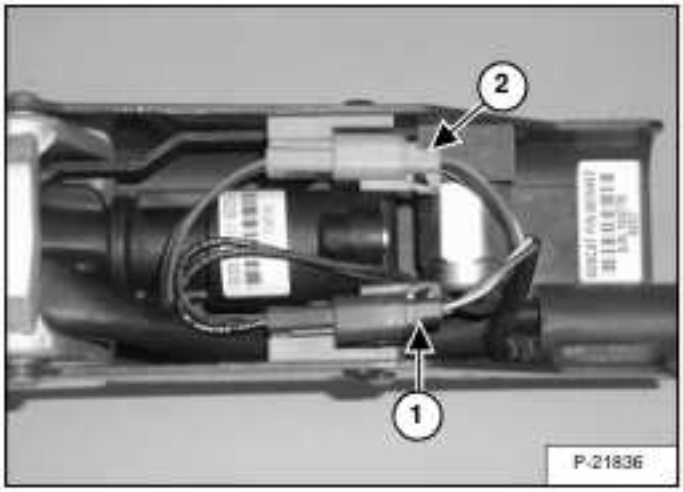
PROBLEM	CAUSE
Traction lock stays engaged.	1, 2, 3, 4, 5, 6, 7
Intermittent activation of traction lock.	8, 9, 10,

KEY TO CORRECT THE CAUSE
1. Make sure brake pedal is not engaged.
2. Maneuver loader to allow brake discs to move and remove pressure on the brake wedge so it can retract.
3. If all lights indicate the brake should be released, but it doesn't check the brake 25 amp. fuse.
4. When checking fuse, also check other fuses. Check the fuse block for correct orientation and location of fuses. (See Fuse Location on Page 60-10-5.)
5. To test the solenoid, the pull coil should be .4 to .5 ohms and the hold coil 10.5 to 11.0 ohms.
6. Check brake solenoid and cover mounting hardware for the correct torque.
7. Remove brake cover and check wedges for binding in the wedge guides.
8. Check wire connections for loose connector body.
9. Check for loose or bent pins in connectors.
10. Check for loose spafe connectors in fuse holder.

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Handle Lock Solenoid Removal And Installation

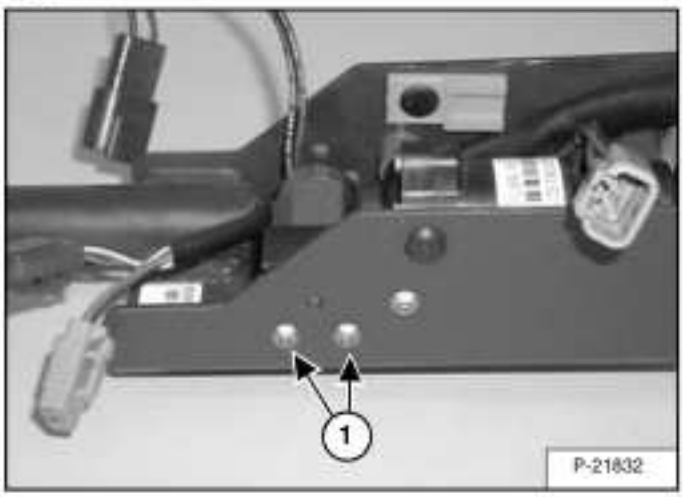
Figure 60-121-33



Disconnect the harness connector (Item 1) **[Figure 60-121-33]** from the handle sensor connector.

Disconnect the harness connector (Item 2) **[Figure 60-121-33]** from the handle lock solenoid connector.

Figure 60-121-34



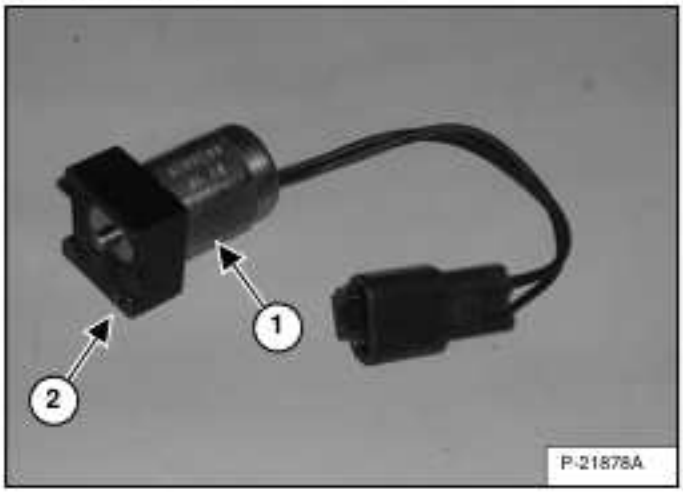
Remove the two screws (Item 1) **[Figure 60-121-34]** holding the handle lock solenoid to the handle.

Installation: Tighten the screws to 32-38 in.-lb. (3.6-4.3 N•m) torque.

Remove handle lock solenoid assembly from handle.

Handle Lock Solenoid Disassembly And Assembly

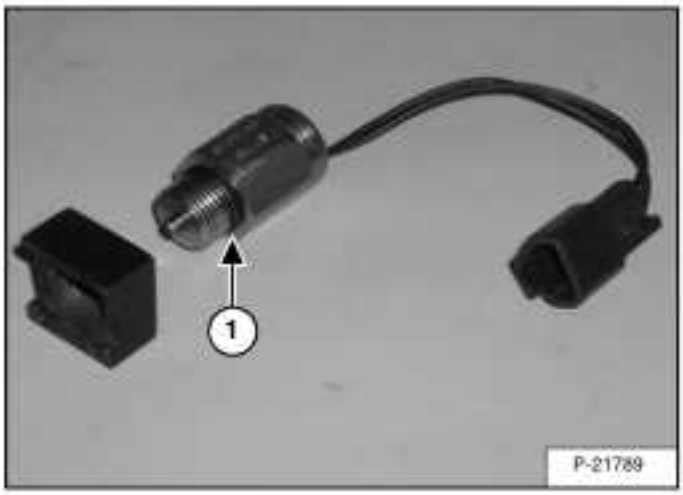
Figure 60-121-35



Remove solenoid (Item 1) **[Figure 60-121-35]** from the solenoid mount (Item 2) **[Figure 60-121-35]**.

Installation: Apply a drop of oil to the solenoid threads and tighten solenoid to 35-40 ft.-lb. (47-54 N•m) lubed torque.

Figure 60-121-36



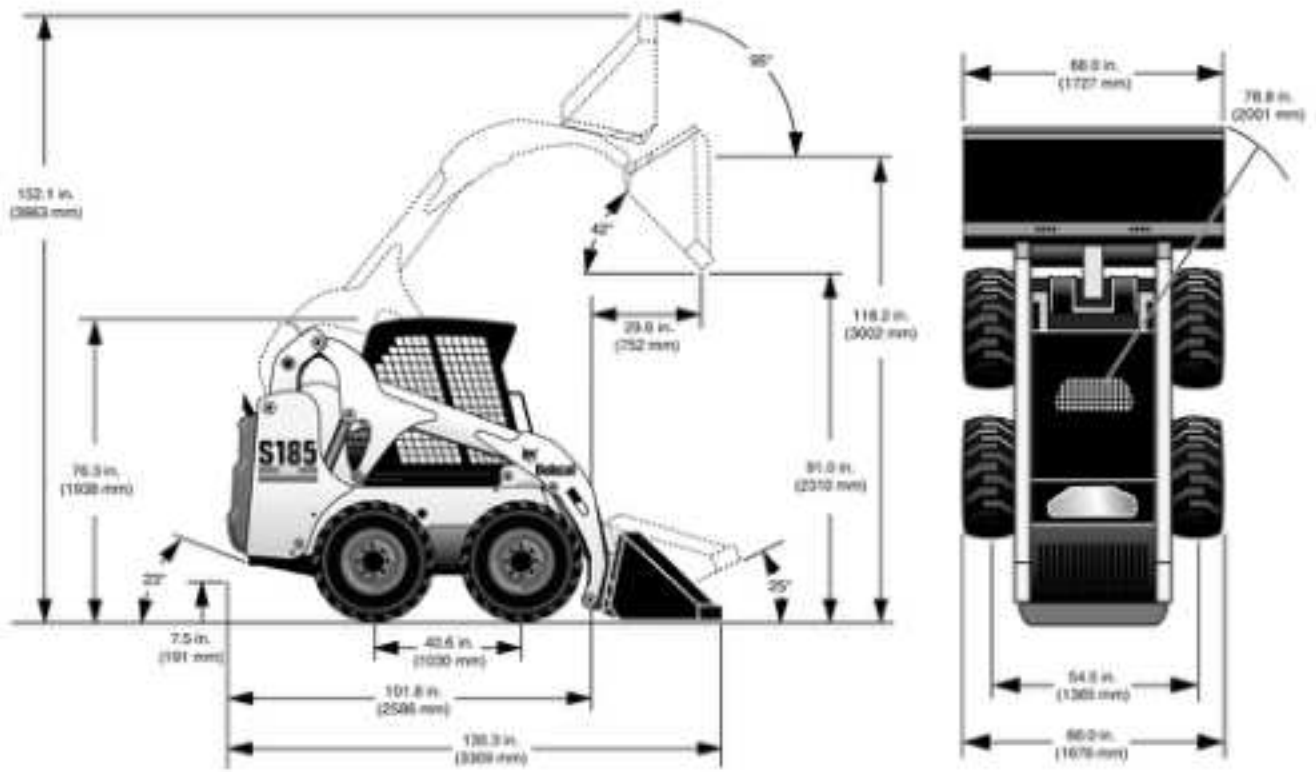
Check the O-ring (Item 1) **[Figure 60-121-36]** for damage. Replace as necessary.

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LOADER SPECIFICATIONS

Machine Dimensions

- Dimensions are given for loader equipped with standard tires and dirt bucket and may vary with other bucket types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters inclosed by parentheses.
- Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.



B-17328

TIRE DESCRIPTION	WIDTH (OVER TIRES)	WHEEL TREAD
10-16.5 TIRES	66.0in. (1676mm) or 60.0in (1524mm)	54.5in. (1385mm) or 48.5in. (1232mm)
31-15x15 TIRES	72.0in. (1829mm)	55.9in. (1420mm)

BUCKET WIDTH	WIDTH (OVER BUCKET)
62"	62.0in. (1575mm)
68"	68.0in. (1727mm)
74"	74.0in. (1880mm)

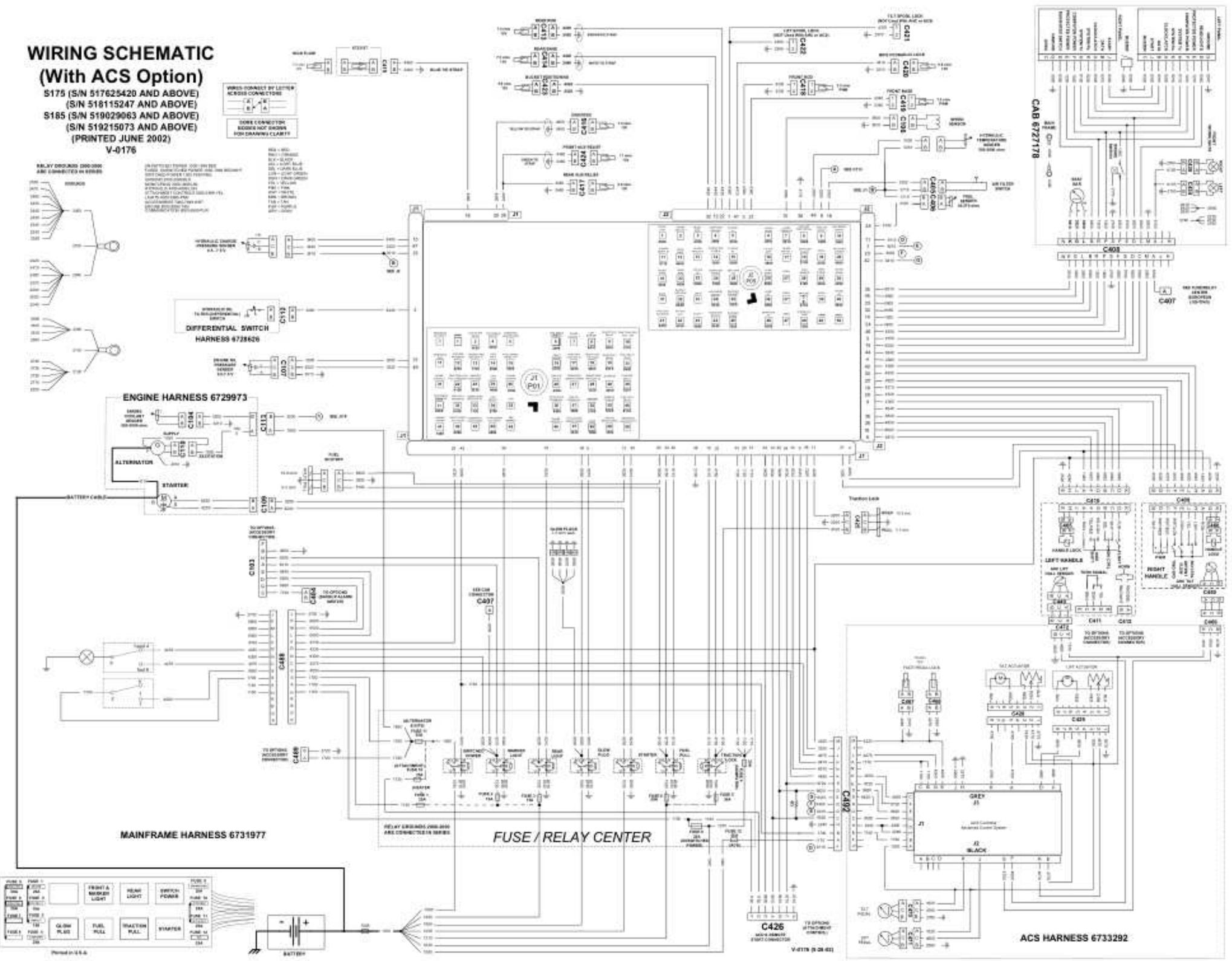
* Recommended Pressure-Inflate tires to MAXIMUM pressure shown on the side wall of the tire. DO NOT mix brands of tires used on the same loader.

Changes of structure or weight distribution of the loader can cause changes in control and steering response and can cause failure of the loader parts.

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(With ACS Option)

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(S/N 518115247 AND ABOVE)
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