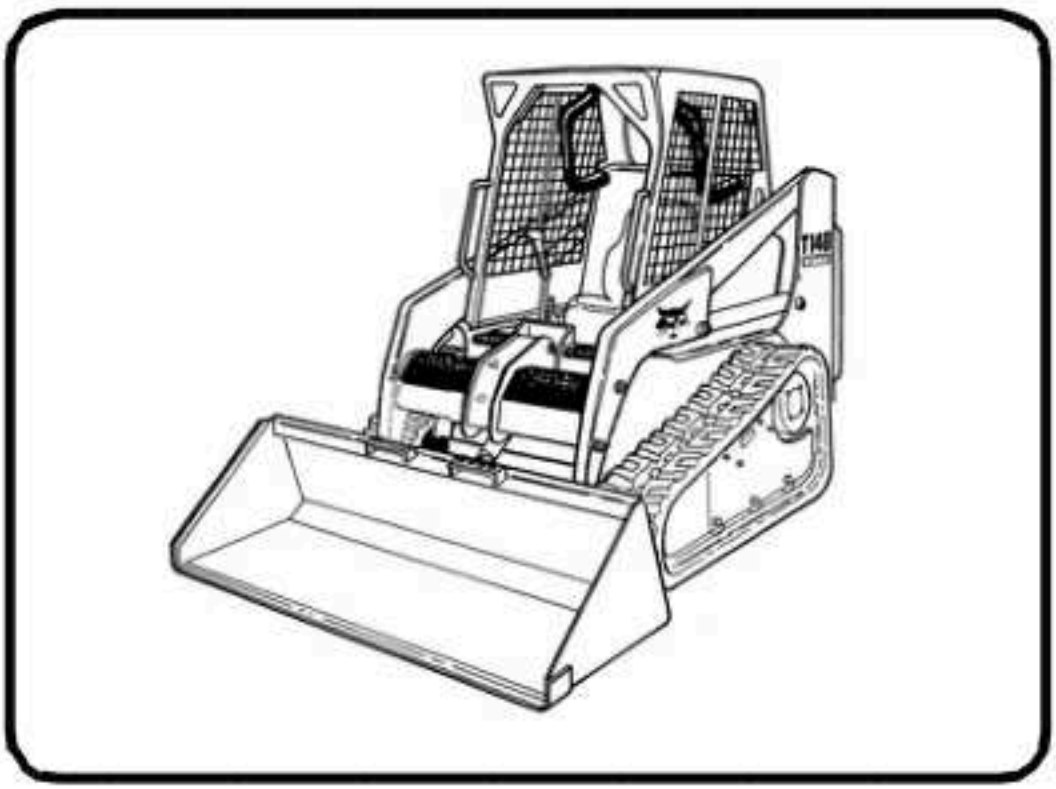
Bobcat®

Service Manual
T140 Compact Track Loader

S/N 529311001 & Above
S/N 531311001 & Above
S/N A8M511001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6904150 (7-09)

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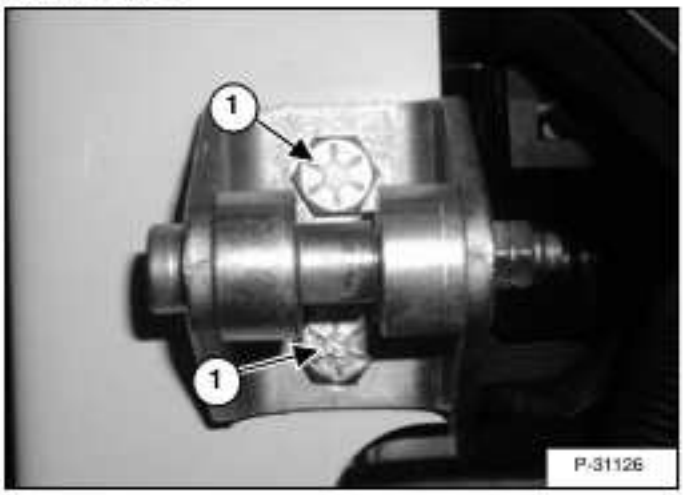
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Striker Removal and Installation

Figure 50-70-4

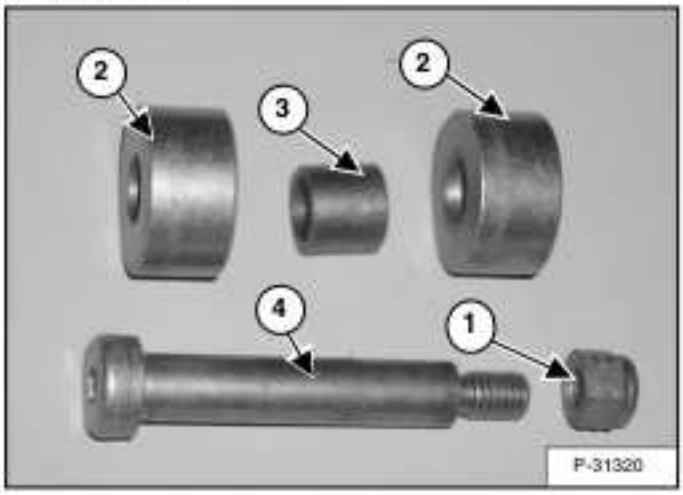


Remove the two striker mount bolts (Item 1) **[Figure 50-70-4]**.

Remove the striker assembly from the loader.

Striker Disassembly and Assembly

Figure 50-70-5



Remove the lock nut (Item 1) **[Figure 50-70-5]**.

Remove the rollers (Item 2) and the spacer (Item 3) from the bolt (Item 4) **[Figure 50-70-5]**.

Check the parts for wear and replace as needed.

Striker (Adjusting)

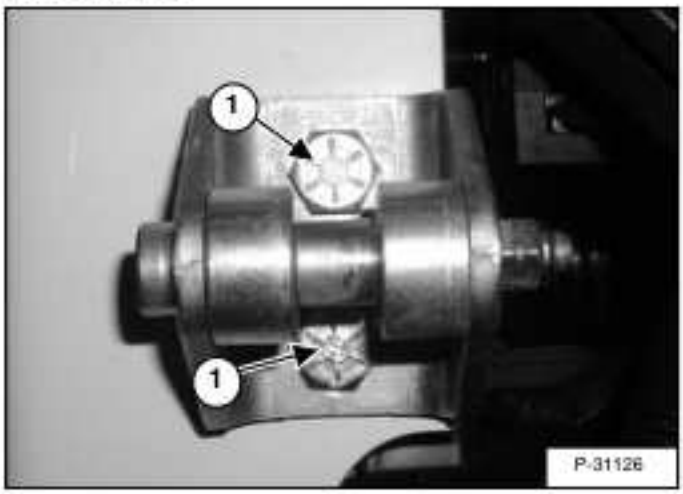
⚠ WARNING

AVOID INJURY OR DEATH

Never service or adjust the machine when the engine is running unless instructed to do so in the manual.

W-2012-0497

Figure 50-70-6



Loosen the striker assembly mount bolts (Item 1) **[Figure 50-70-6]**.

Align the striker assembly in the center of the mounting holes.

NOTE: Tighten the striker assembly, top mount bolt only, until it will hold the striker assembly in the center of the mounting slots.

Close the rear door. (This will align the striker assembly to the correct position.)

Open the door.

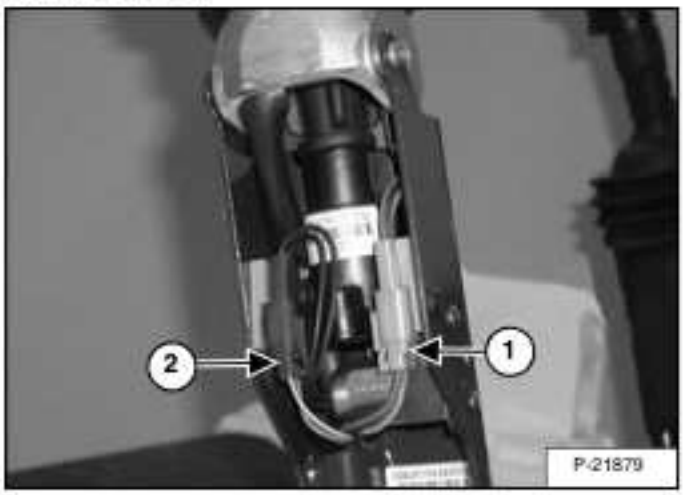
Installation: Tighten the mounting bolts (Item 1) **[Figure 50-70-6]** to 90 - 100 ft.-lb. (125 - 135 N•m) torque.

Close the rear door.

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Switch Handle Removal

Figure 60-130-4

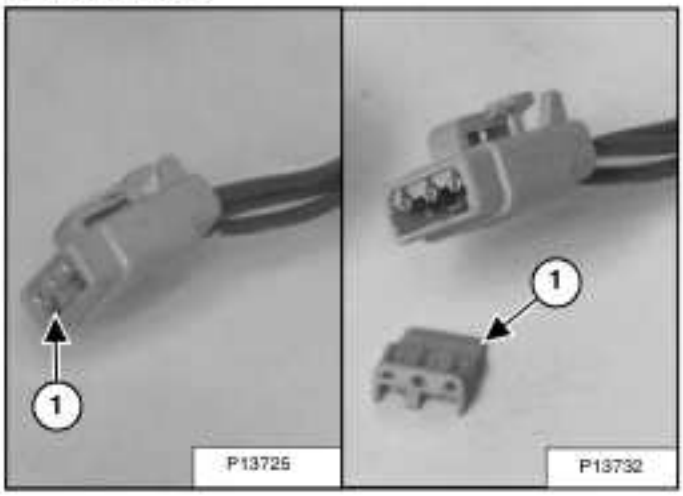


NOTE: Switch handle can be removed and installed while in loader.

Disconnect the harness connector (Item 1) **[Figure 60-130-4]** from the handle sensor connector.

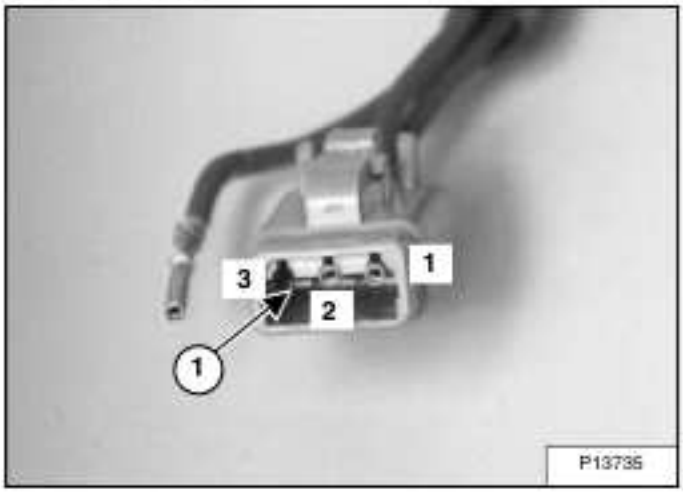
Disconnect the harness connector (Item 2) **[Figure 60-130-4]** from the handle lock solenoid connector.

Figure 60-130-5



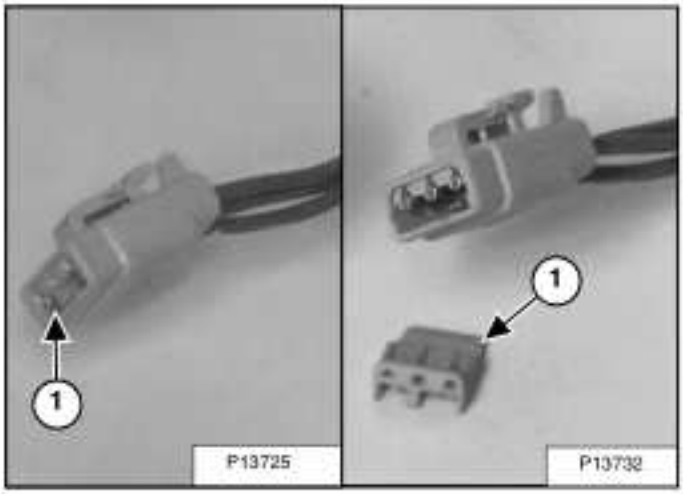
Remove the wedge (Item 1) **[Figure 60-130-5]** from the harness connector (Gray) that connects to the handle sensor connector.

Figure 60-130-6



Using a pointed tool, press down on the tab (Item 1) **[Figure 60-130-6]** and pull the wire from the connector.

Figure 60-130-7



Remove the wedge (Item 1) **[Figure 60-130-7]** from the harness connector (Black) that connects to the handle lock solenoid connector.

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(T140) LOADER SPECIFICATIONS (CONT'D)

Hydraulic System

Pump Type		Engine driven, Gear type
Pump Capacity		16.9 GPM (64 L/min.) @ 2930 Engine RPM @ 91% Efficiency
System Relief at Quick Couplers		2650 - 2750 PSI (182,7 - 189,6 bar)
Filter		Full flow replaceable, 3 micron synthetic media element
Hydraulic Cylinders		Double acting; Tilt cylinder has cushioning feature on dump & rollback
Bore Diameter:	Lift Cylinder (2)	2.00 in. (50,8 mm)
	Tilt Cylinder (1)	3.50 in. (88,9 mm)
Rod Diameter:	Lift Cylinder (2)	1.25 in. (31,8 mm)
	Tilt Cylinder (1)	1.50 in. (38,1 mm)
Stroke:	Lift Cylinder (2)	26.57 in. (674,9 mm)
	Tilt Cylinder (1)	14.50 in. (368,3 mm)
Control Valve		3-spool, open center type with spring detent for lift float and electrically controlled auxiliary spool.
Fluid Lines		SAE standard tubelines, hoses and fittings.
Fluid Type		BOBCAT FLUID, Hydraulic/Hydrostatic 6903117 - (Two - 2.5 Gal.) 6903118 - (5 Gal.) 6903119 - (55 Gal.)
Hydraulic Function Time:		
Raise Lift Arms		2.6 Seconds
Lower Lift Arms		1.8 Seconds
Bucket Dump		2.2 Seconds
Bucket Rollback		1.8 Seconds

Electrical

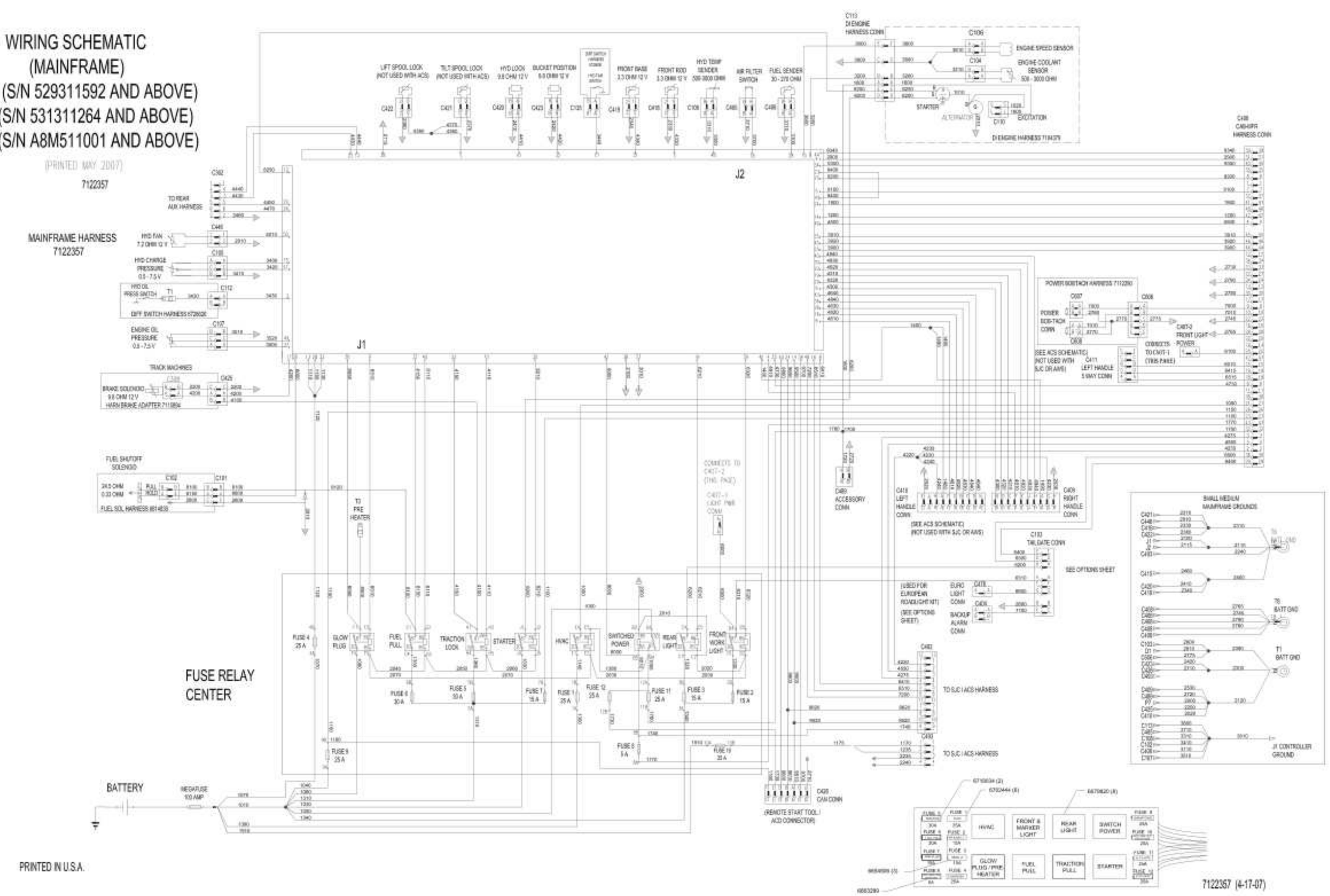
Alternator	Belt driven, 90 amp., ventilated
Battery	12 volts, 600 cold cranking amps. @ 0° F. (-18° C); 115 minute reserve capacity @ 25 amps.
Starter	12 volts; Gear Reduction Type; 4.02 HP (3,0 kW)
Instrumentation	**Standard Instrumentation:** *Gauges:* Hourmeter, Fuel, Engine Temperature. *Warning Lights:* Engine Coolant Temperature, Engine Oil Pressure, Hydraulic Oil Temperature & Charge Pressure, Hydraulic Filter, Engine Air Filter, Seat Belt, Fuel Level, General Warning, System Voltage. *Indicators:* Attachment Control Device (ACD), Advanced Hand Controls (AHC) or Advanced Control System (ACS), BICS Functions, Engine Preheat, Headlights, Bucket Positioning, Attachment Auxiliary Hydraulics modes. **Optional Deluxe Instrumentation:** - Same gauges and warning lights as standard Instrumentation. - Additional bar-type gauges for: Engine Oil Pressure, System Voltage, Hydrostatic Charge Pressure and Hydraulic Oil Temperature. - Additional Features Include: Keyless Start with password capability, Digital Clock, Attachments, Attachments Information, Digital Tachometer, High Flow & Two-Speed Lockouts, Multi-Language Display, Help Screens, Diagnostic Capability & Engine / Hydraulic Systems Shutdown Function.

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WIRING SCHEMATIC
(MAINFRAME)
T140 (S/N 529311592 AND ABOVE)
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