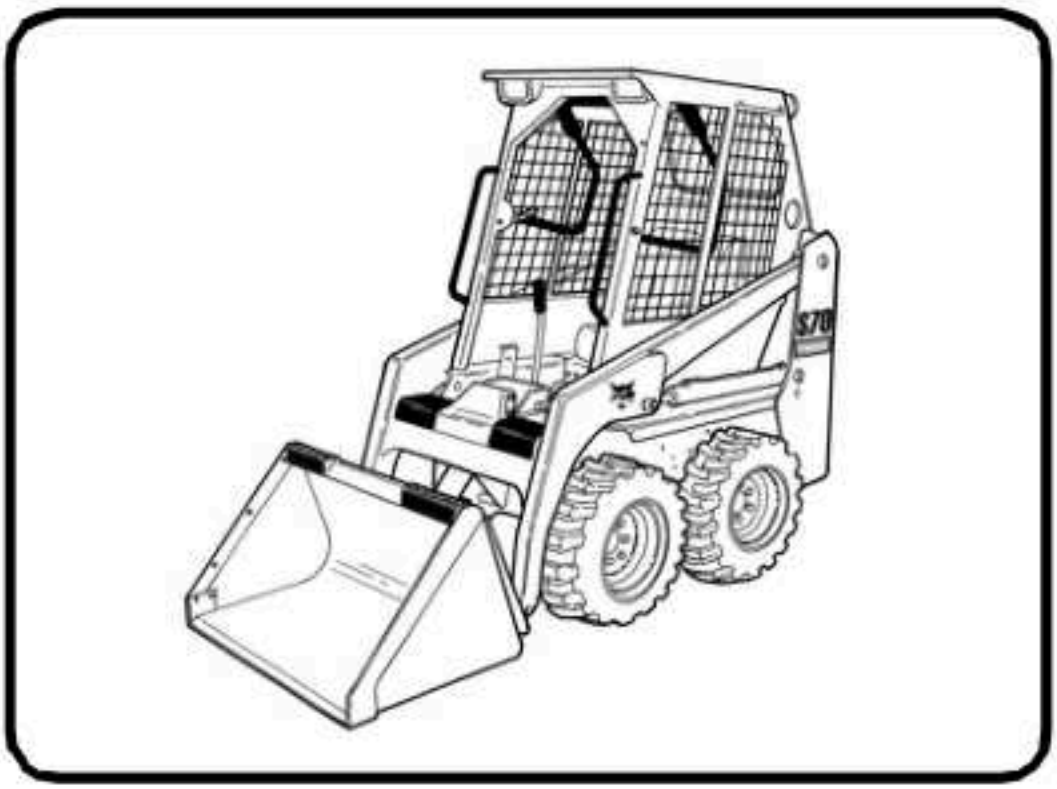
Bobcat®

Service Manual
S70 Skid-Steer Loader

S/N A3W611001 & Above
S/N A3W711001 & Above



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

6986662 (2-08)

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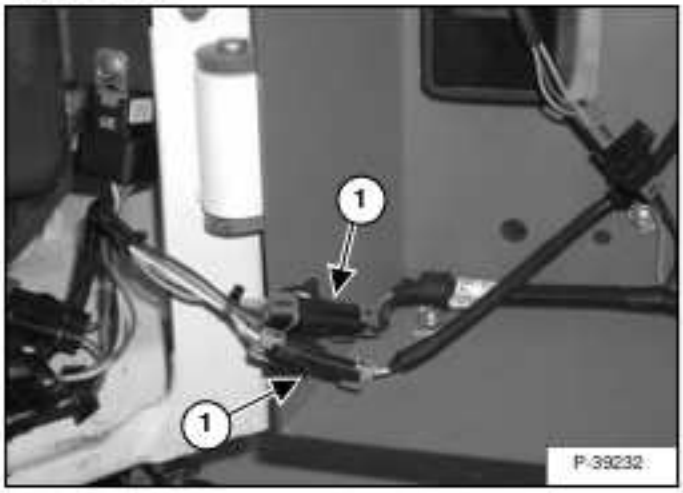
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REAR DOOR

Removal And Installation

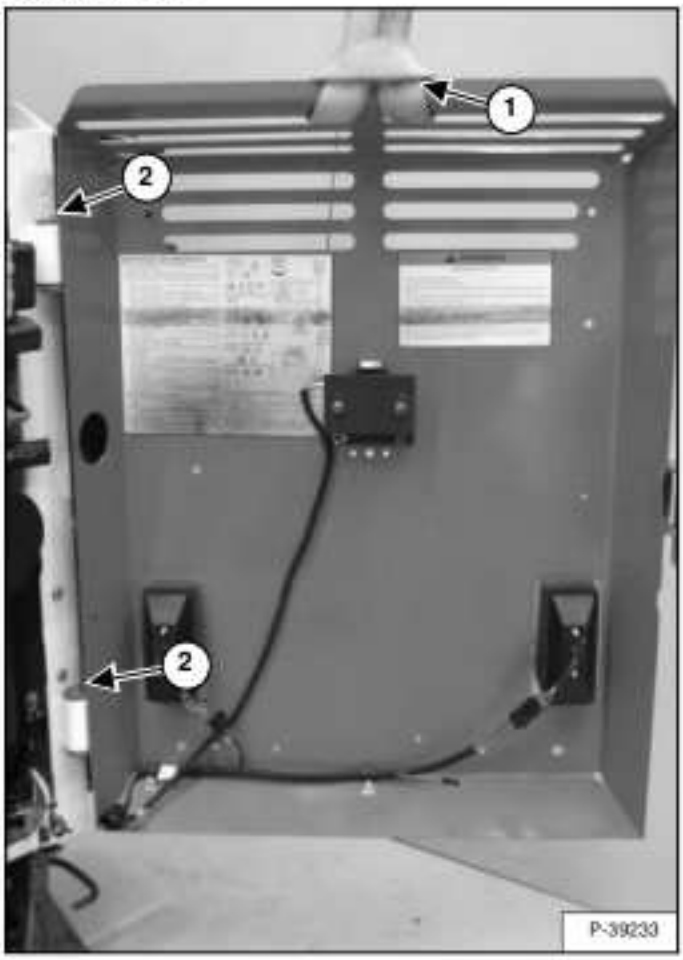
Open the rear door.

Figure 50-60-1



Disconnect the wire harnesses (Item 1) **[Figure 50-60-1]** from the loader electrical harness.

Figure 50-60-2



Install a lifting strap (Item 1) **[Figure 50-60-2]** through the slots in the rear door.

Remove the hinge pins (Item 2) **[Figure 50-60-2]** from the door hinges.

Remove the door from the loader.

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Specifications

All dimensions are given in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.

Fuel Injection Nozzles

Opening Pressure	1992-2133 PSI (137,3-147 bar)
Fuel Tightness Nozzle Seat	1849 PSI (127,5 bar)

Fuel Injection Pump

Fuel Tightness of Plunger Limit Permitted	2133 PSI (147 bar)
Fuel Tightness of Delivery Valve	10 Sec: Initial Pressure Drop From 1991-1849 PSI (137,3-127,5 bar)
Allowable Limit	5 Sec: Initial Pressure Drop From 1991-1849 PSI (137,3-127,5 bar)
Injection Timing	17-19° B.T.D.C.

Cylinder Head

Flatness Limit Permitted	0.0020 (0,05)
Top Clearance (Piston to Head)	0.022-0.029 (0,55-0,75)
Compression	541-597 PSI (37,3-41,2 bar)
Allowable Limit	327 PSI (22,5 bar)

Valves

Valve Seat Angle	60° intake 45° exhaust
Valve Seat Width	0.0835 (2,12)
O.D. of Valve Stem	0.2741-0.2746 (6,960-6,975)
I.D. of Valve Guide	0.2760-0.2765 (7,010-7,025)
Clearance between Valve Stem & Guide	0.0014-0.0025 (0,035-0,065)
Allowable Limit	0.0039 (0,1)
Depth of Valve *negative value	*0.0020-0.0098 *(0,05-0,25)
Allowable Limit	0.016 (0,40)
Valve Clearance (Cold) (Intake & Exhaust)	0.0057-0.0073 (0,145-0,185)

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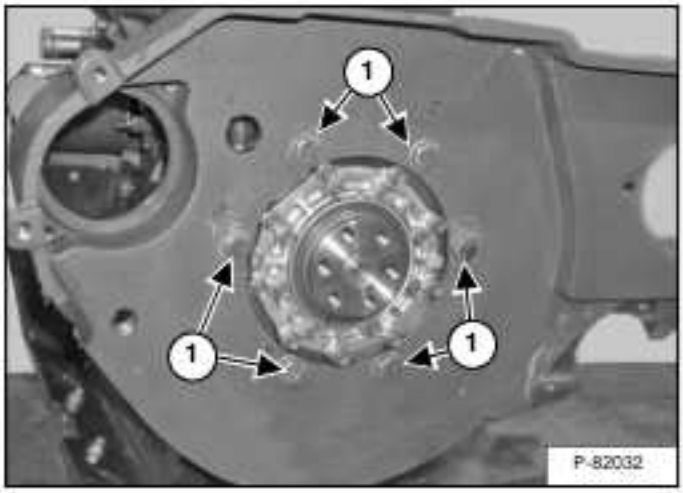
Housing Removal And Installation

Remove the starter. (See Removal And Installation on Page 60-40-3.)

Remove the hydrostatic pump. (See Removal And Installation on Page 30-40-2)

Remove the tensioner pulley. (See Tensioner Pulley Removal And Installation on Page 30-50-2)

Figure 70-110-3



Remove the flywheel.

Remove the bolts (Item 1) **[Figure 70-110-3]** from the housing.

Installation: Tighten the bolts to 29-33 ft.-lb. (39-45 N•m) torque.

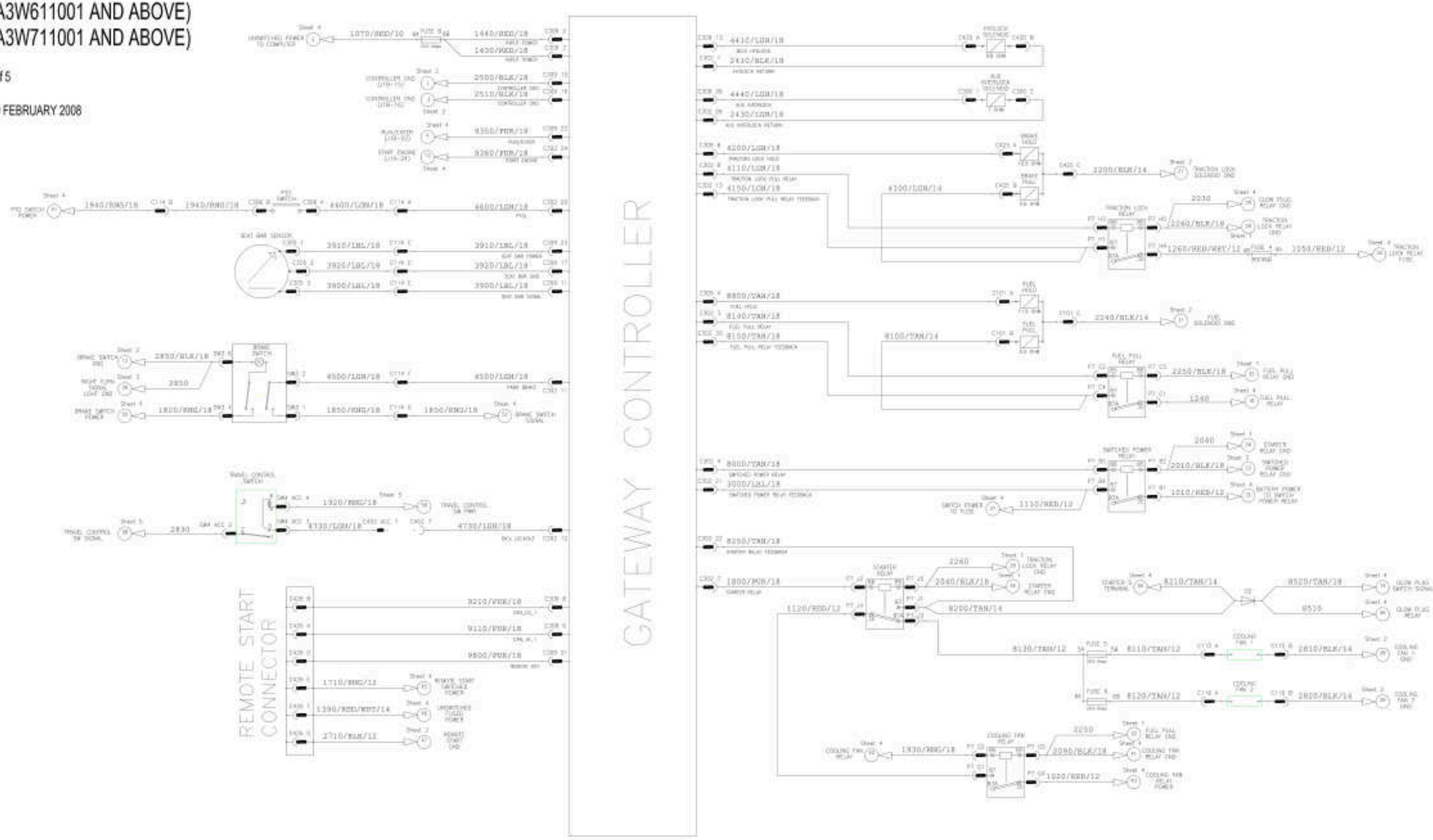
Remove the housing.

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ELECTRICAL SCHEMATIC
S70 SMALL LOADER
(S/N A3W611001 AND ABOVE)
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