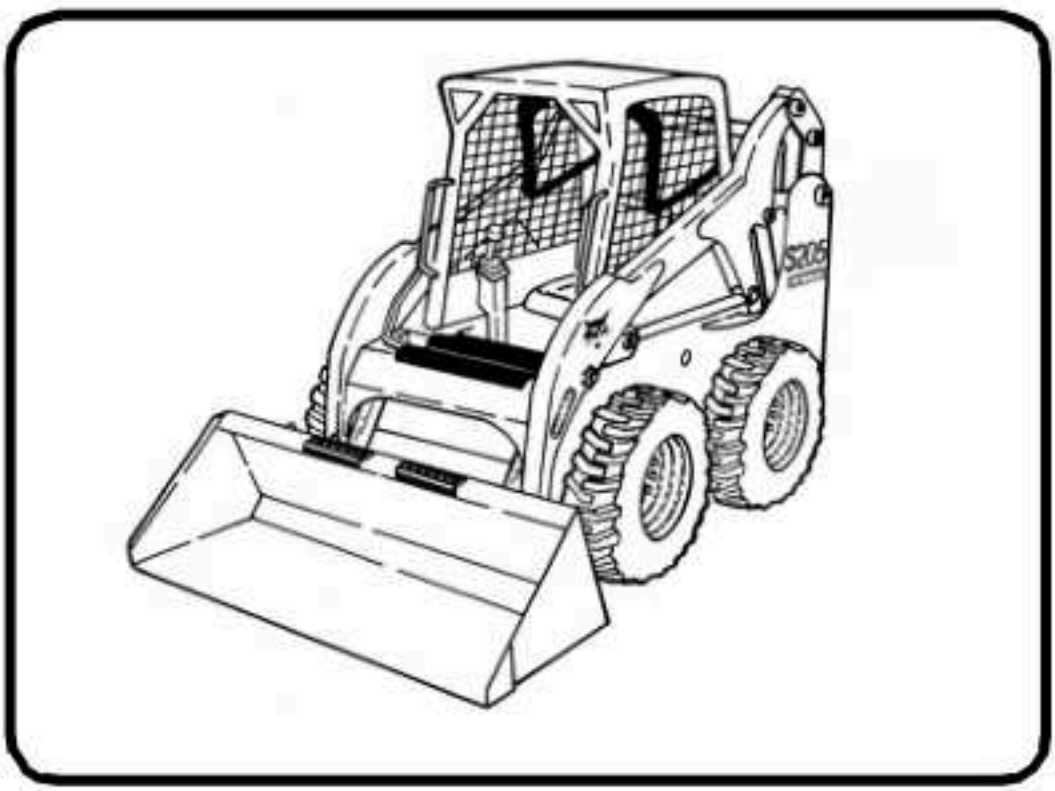
Bobcat®

Service Manual
S205 Skid-Steer Loader

S/N 530511001 - 530559999
S/N 530611001 - 530659999



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

6904138 (5-08)

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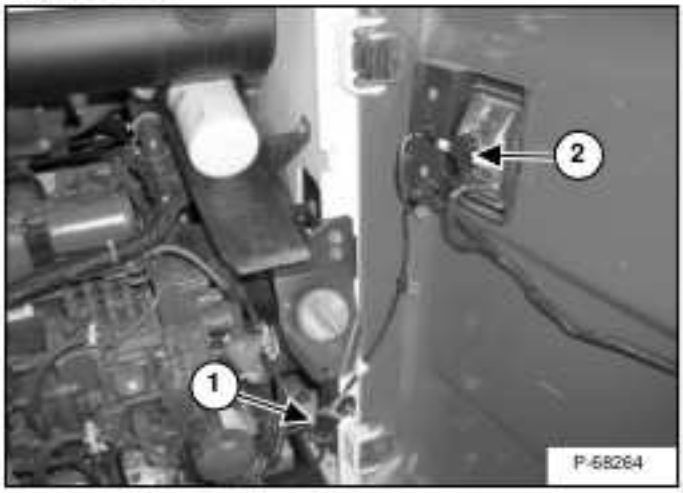
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REAR DOOR

Removal And Installation

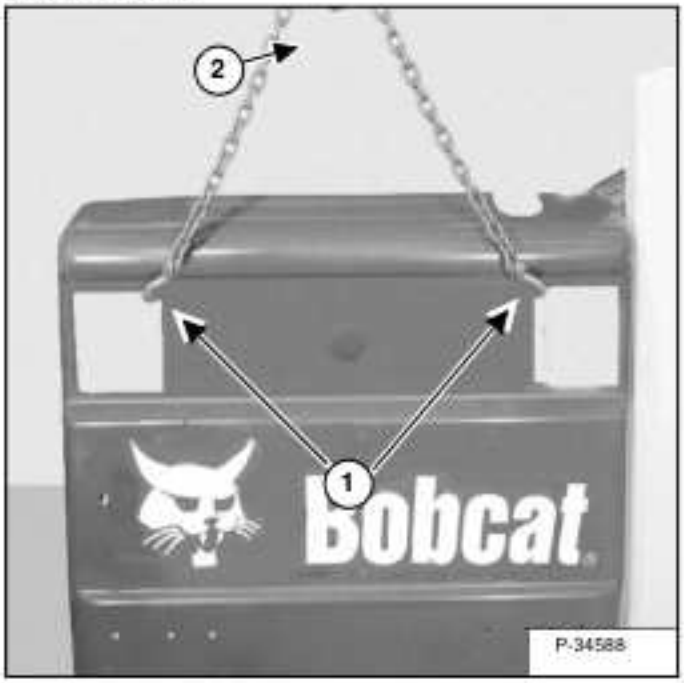
Figure 50-70-1



Disconnect the light harness connector **(Item 1) [Figure 50-70-1]** from the engine harness.

Remove both rear lights (Item 2) **[Figure 50-70-1]** from the door. (See Rear Removal And Installation on Page 60-60-2.)

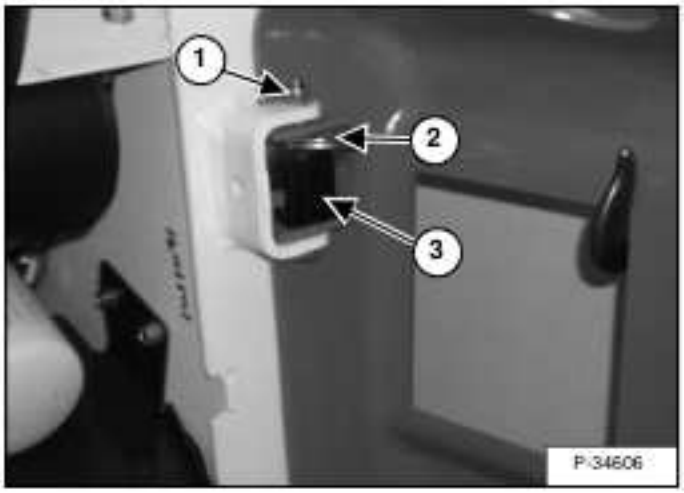
Figure 50-70-2



Secure the chain hooks (Item 1) **[Figure 50-70-2]** to the door as shown.

Connect a chain hoist (Item 2) **[Figure 50-70-2]** to the lifting chain.

Figure 50-70-3



Remove the top and bottom door hinge mounting bolts (Item 1) **[Figure 50-70-3]** and nuts.

NOTE: Install the door stop (Item 2) and the door stop retainer (Item 3) in the top hinge as shown [Figure 50-70-3].

Installation: Tighten the mounting bolts and nuts to 25-28 ft.-lb. (34-38 N•m) torque.

Lift the door away from the loader frame and put the door flat on the floor.

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Engine Specifications - KUBOTA V2403-M-DI-T (Cont'd)

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

Cylinder Liner

Cylinder Bore I.D.	3.4252-3.4261 (87,000-87,022)
Allowable Limit	+0.0059 (+0,15)
Oversized Cylinder Liner (Bore) I.D.	3.4350-3.4359 (87,250-87,272)
Allowable Limit	+0.0059 (+0,15)

Piston Rings

Ring Gap (Top Ring)	0.0079-0.0138 (0,2-0,35)
Allowable Limit	0.0492 (1,25)
Ring Gap (2nd Ring)	0.0157-0.0217 (0,4-0,55)
Allowable Limit	0.0492 (1,25)
Ring Gap (Oil Ring)	0.0098-0.0177 (0,25-0,45)
Allowable Limit	0.0492 (1,25)
Side Clearance of Ring Groove:	
Second Ring	0.0037-0.0050 (0,093-0,128)
Allowable Limit	0.20 (0,0079)
Oil Ring	0.0008-0.0021 (0,02-0,060)
Allowable Limit	0.0059 (0,15)

Pistons

Piston Pin Bore	0.9843-0.9848 (25,0-25,013)
Allowable Limit	0.9862 (25,05)

Connecting Rod

Piston Pin O.D.	0.9843-0.9847 (25,002-25,011)
Small End Bushing I.D.	0.9852-0.9858 (25,025-25,04)
Clearance Between Piston Pin & Small End Bushing	0.0006-0.0015 (0,014-0,038)
Allowable Limit	0.0059 (0,15)
Connecting Rod Alignment Allowable Limit	0.002 (0,05)

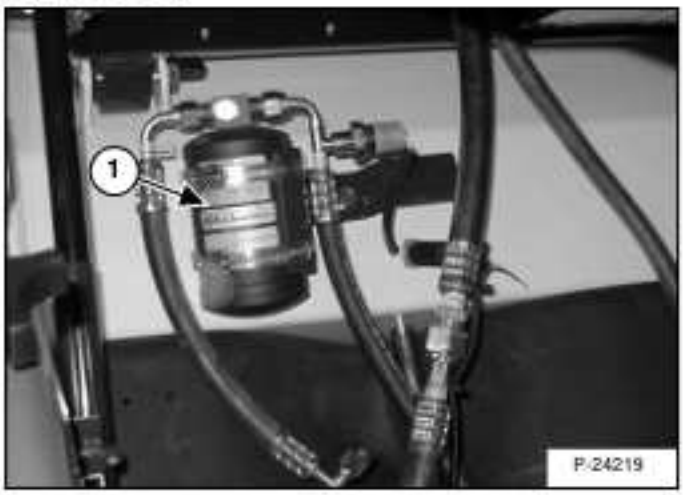
Oil Pump

Oil Pressure @ Rated RPM	43-64 PSI (294-441 kPa)
Allowable Limit	36 PSI (245 kPa)
Idle Speed Allowable Limit	7 PSI (49 kPa)
Clearance Between Inner Rotor & Outer Rotor	0.0012-0.0055 (0,03-0,14)
Clearance Between Outer Rotor & Pump Body	0.0043-0.0075 (0,11-0,19)
End Clearance Between Inner Rotor & Cover	0.0041-0.0059 (0,105-0,15)

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HVAC Repair And Leaks

Figure 80-30-3



Whenever the A/C system is opened to the atmosphere or there has been a leak in the system, the receiver/drier (Item 1) **[Figure 80-30-3]** must be changed.

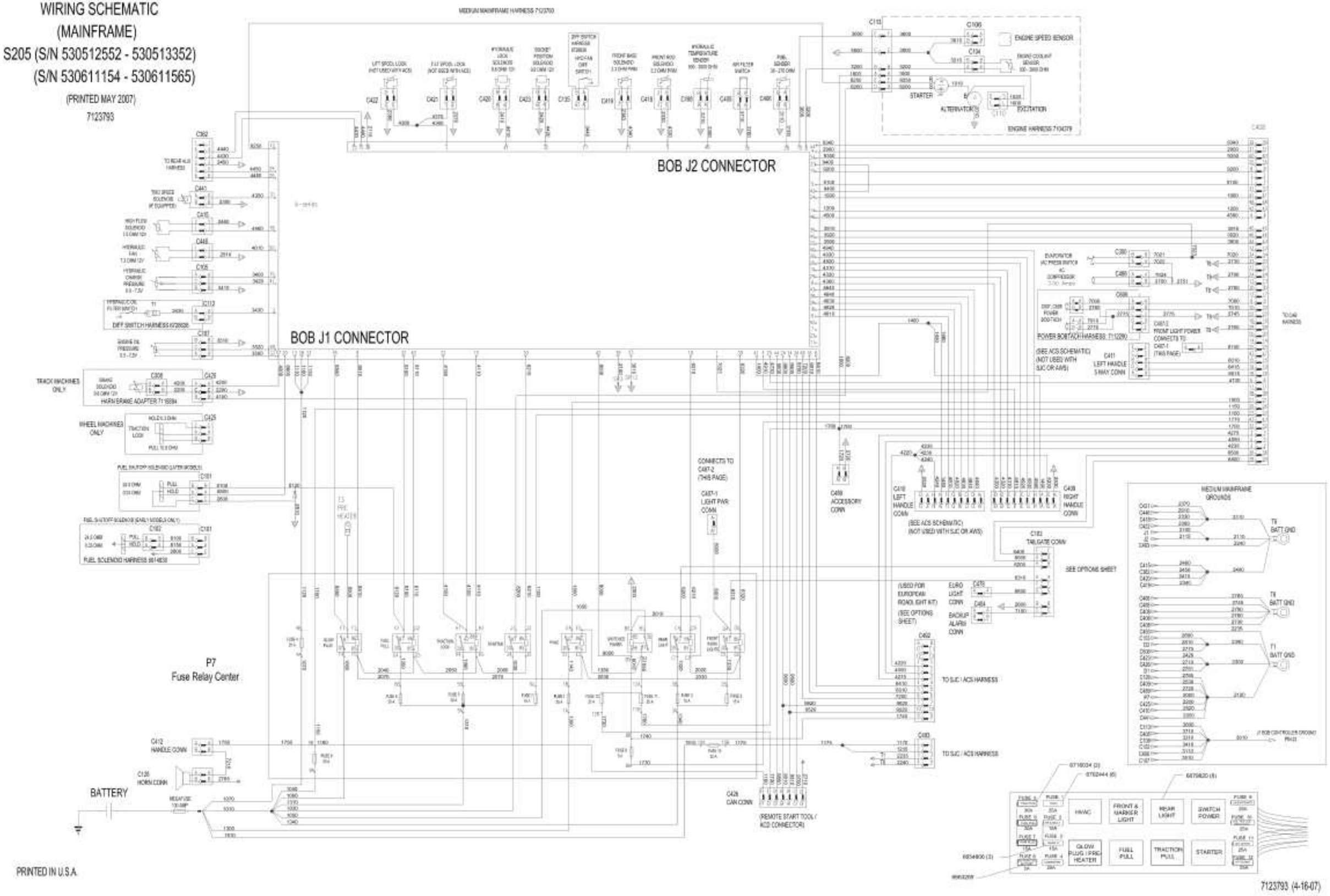
Never leave hose fittings, compressor fittings or components uncapped while working on the A/C system.

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WIRING SCHEMATIC
(MAINFRAME)
S205 (S/N 530512552 - 530513352)
(S/N 530611154 - 530611565)

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