

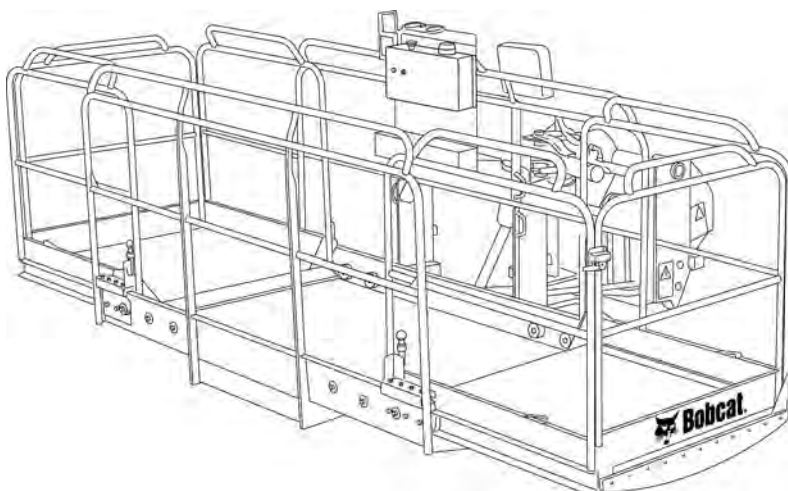
Man Platform

S/N A6SH 00101
& above



Bobcat®

Service Manual



Printed in Europe

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**SAFETY AND
MAINTENANCE**

**HYDRAULIC
SYSTEM**

**MAIN
FRAME**

**ELECTRICAL
SYSTEM**

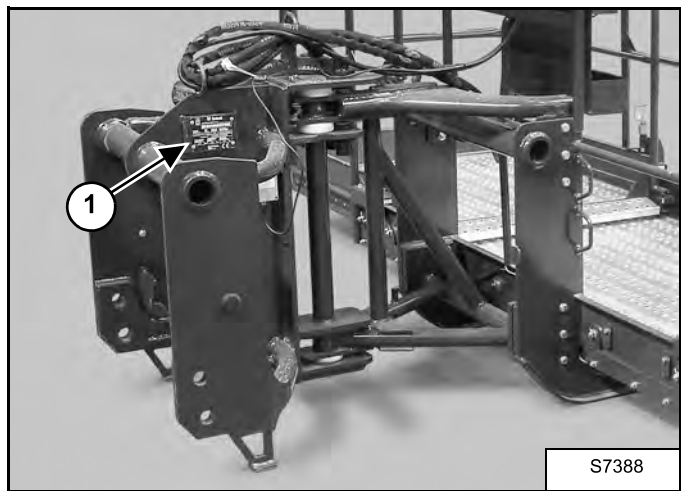
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SERIAL NUMBER LOCATION

Figure 1

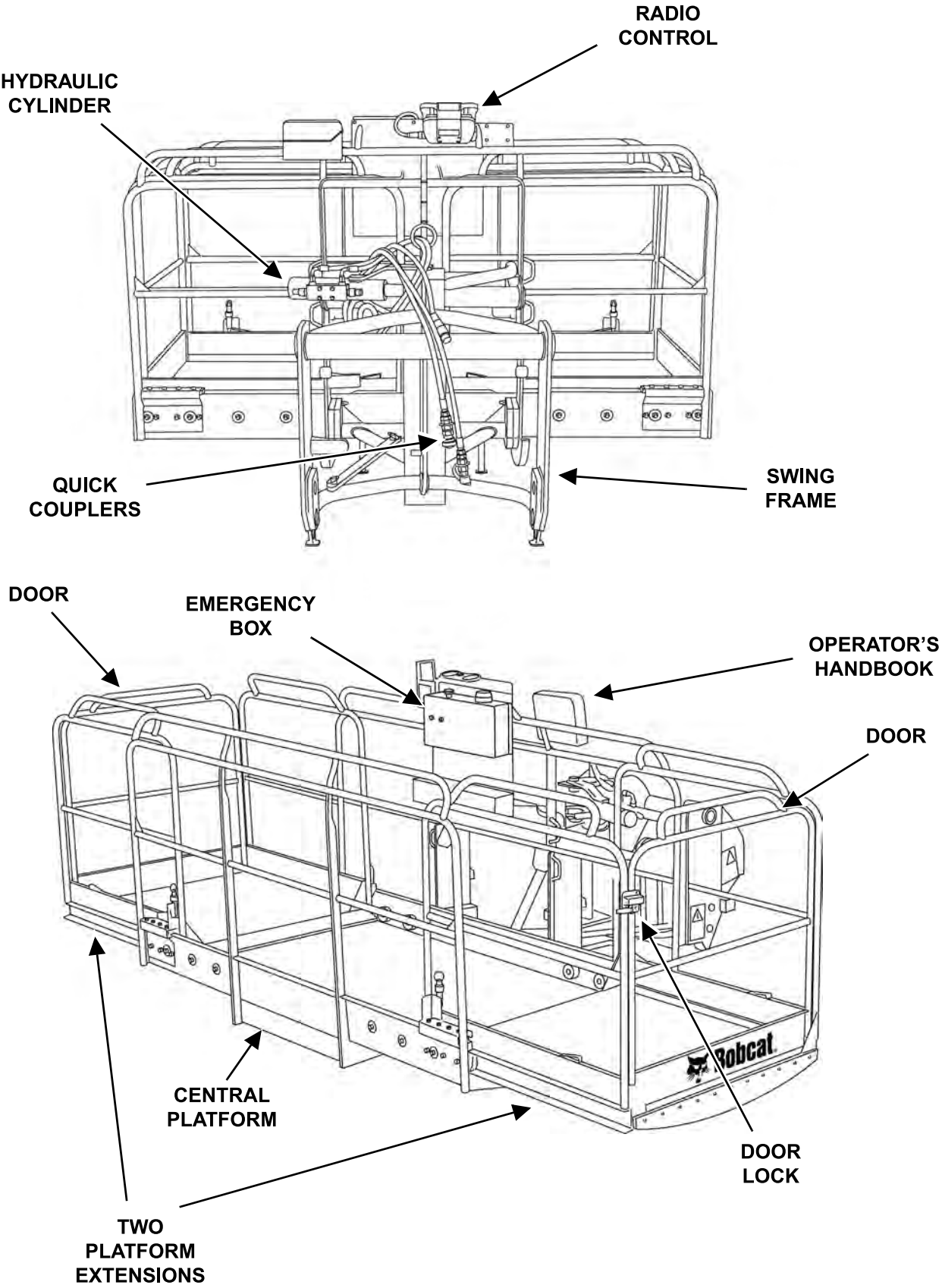


Always use the serial number (Item 1) [Figure 1] of the Man Platform when requesting service information or when ordering parts. Early or later models (identification made by number) may use a different procedure in doing a specific service operation.

ATTACHMENT DELIVERY REPORT

Figure 2

The Attachment Delivery Report must be filled out by the dealer and signed by the owner or operator when the Man Platform is delivered. An explanation of the form must be given to the owner. Make sure it is filled out completely [Figure 2].



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SAFETY AND MAINTENANCE

INSPECTION 10-20-1

 Electrical System Inspection 10-20-2

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 Structure Inspection 10-20-1

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**SAFETY AND
MAINTENANCE**

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TROUBLESHOOTING

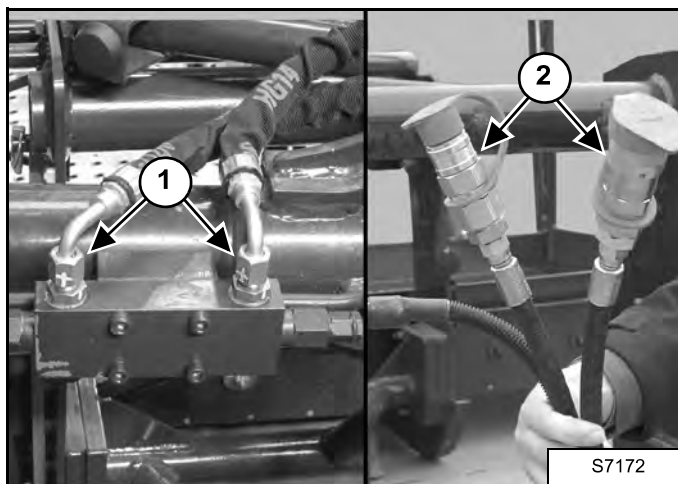
PROBLEM	CAUSE	CORRECTION
Swing function not working	No auxiliary hydraulic pressure	Check if boom head hydraulics are ON and all controls (radio control) are working
	Clogged copper bonnet orifices (located in the hydraulic cylinder fittings)	Clean the two copper bonnet orifices (See Page 20-20-2.)
	Defective safety valve.	Replace safety valve block
Platform extension(s) stuck	Dirt or debris in wheel guide rail.	Clean guide rail
		Remove platform extension(s) for checking / cleaning (See Removal on Page 30-30-1)
Weight control system alarms at light loads	System needs re-calibration	Perform the zero load calibration procedure (See Calibration of the man platform on Page 40-10-1)
Emergency function(s) not working	Defect in emergency box	Contact dealer for this problem



INSPECTION

Hydraulic System Inspection

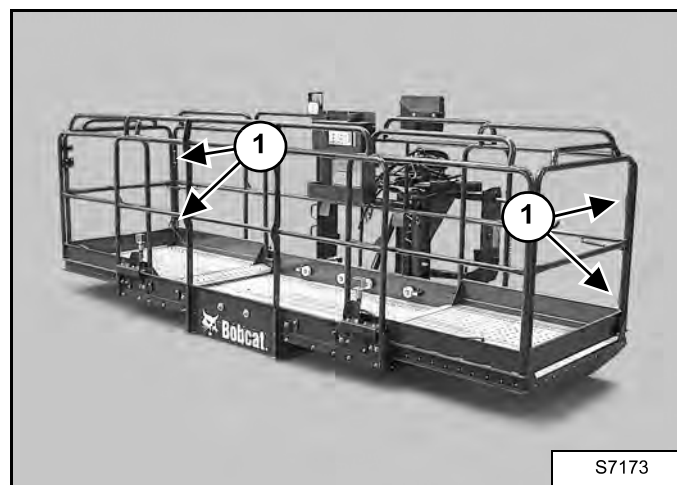
Figure 10-20-1



Check the tightness of hydraulic connections on the cylinder (Item 1) and hydraulic quick couplers (Item 2) [Figure 10-20-1].

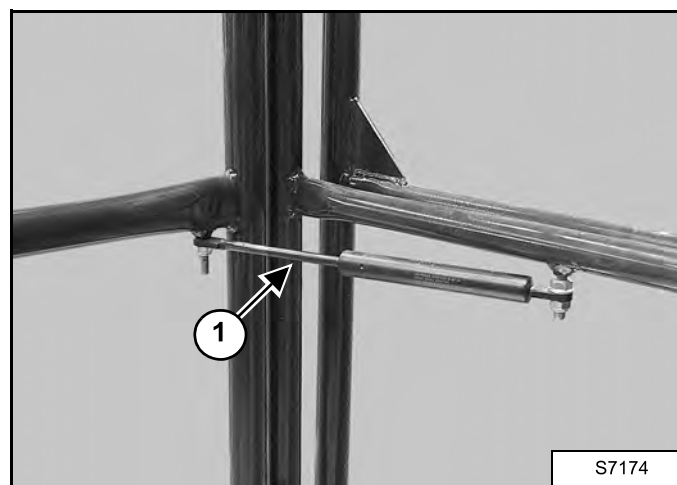
Structure Inspection

Figure 10-20-2



- Check the door hinges for wear (two on each side) (Item 1) [Figure 10-20-2].

Figure 10-20-3

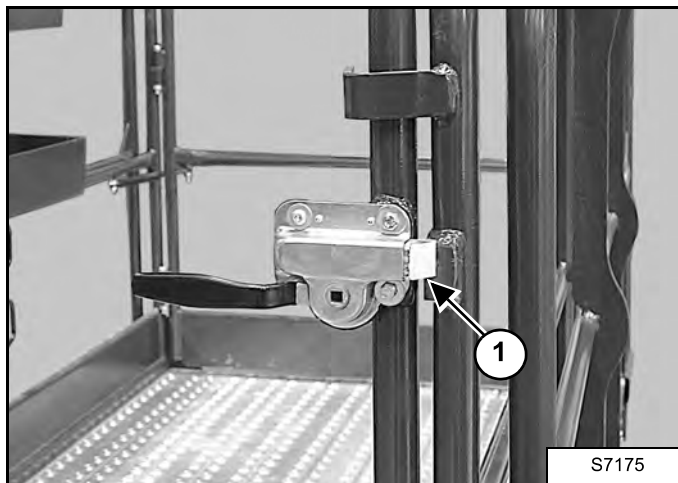


- Check the gas cylinders for wear (one on each side) (Item 1) [Figure 10-20-3].

INSPECTION (CONT'D)

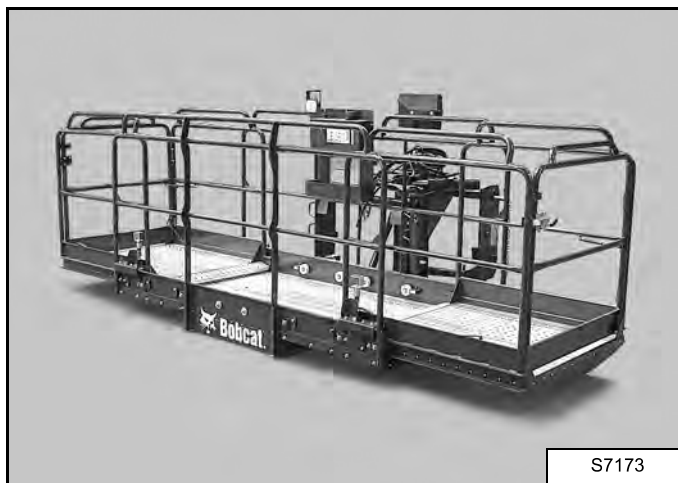
Structure Inspection (Cont'd)

Figure 10-20-4



- Check the door lock for wear (one on each side) (Item 1) [Figure 10-20-4].

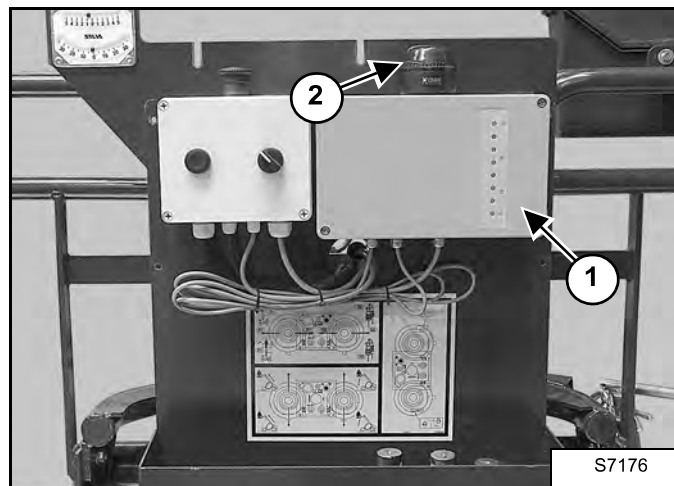
Figure 10-20-5



- Check the platform safety railing for damage (on all sides) ([Figure 10-20-5].

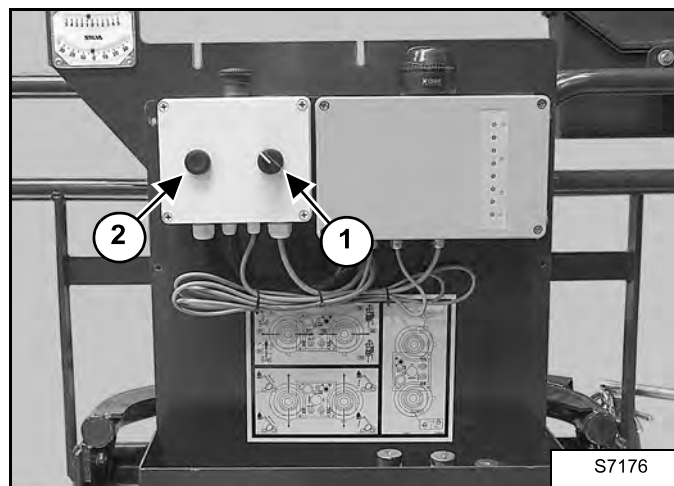
Electrical System Inspection

Figure 10-20-6



- Check the good function of indicator lights and buzzer:
 - all eight indicator LED's (Item 1) [Figure 10-20-6] must be ON at power on, for a short period.
 - the red beacon (Item 2) [Figure 10-20-6] must be ON at power on, for a short period.
 - the buzzer must be ON at power on, for a short period.

Figure 10-20-7

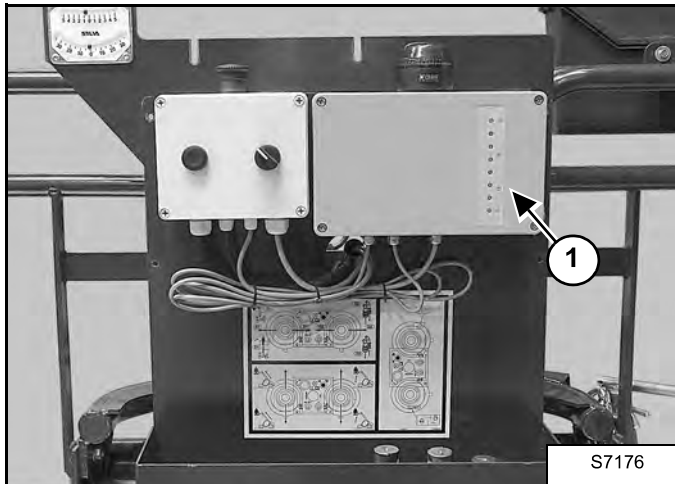


- Check the platform emergency control for good function:
 - Position the platform slightly raised and boom slightly extended.
 - Turn off the remote control.
 - Turn the knob (Item 1) to the right and simultaneously press the button (Item 2) [Figure 10-20-7]. The boom must now retract.
 - Then press the button (Item 2) [Figure 10-20-7]. The boom must now lower.

INSPECTION (CONT'D)

Electrical System Inspection (Cont'd)

Figure 10-20-8



- Check the platform weight control calibration:
 - Position the platform slightly raised above the floor.
 - With empty platform, all eight indicator LED's (Item 1) [Figure 10-20-8] must be OFF.
 - When loaded evenly (50% on each side) with a small load, one or more of the green indicator LED's (Item 1) [Figure 10-20-8] must be ON.
 - When loaded with the maximum load of 500 kg, split into 250 kg on each side, the upper red indicator LED (Item 1) [Figure 10-20-8] must be ON and BUZZER must sound continuously.
 - When adding an extra 100 kg in the center of the platform, ALL lights (indicator LED's + beacon) and BUZZER must be ON.



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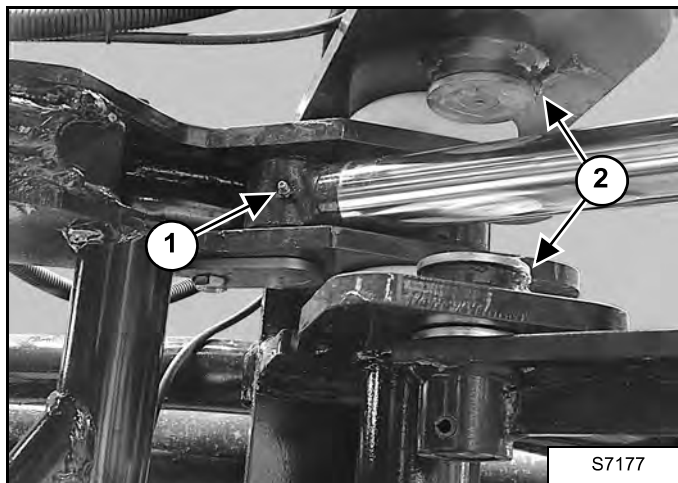
LUBRICATION

Lubrication Points

Always use a good quality lithium base grease when lubricating the Man Platform. Apply the lubricant until extra grease shows.

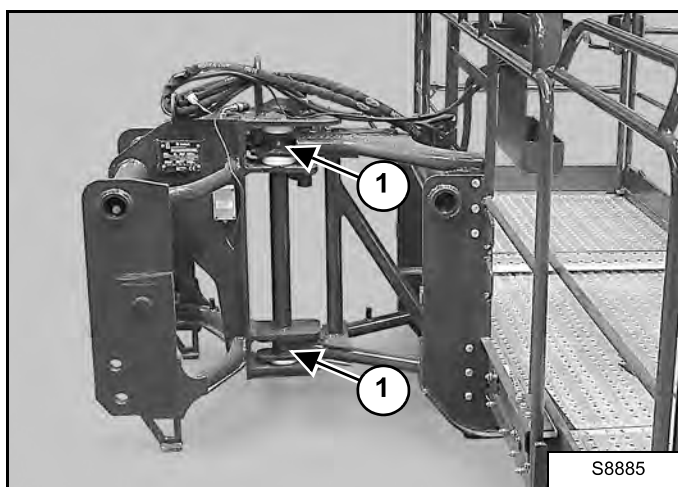
Lubricate the following locations on the man platform:

Figure 10-30-1



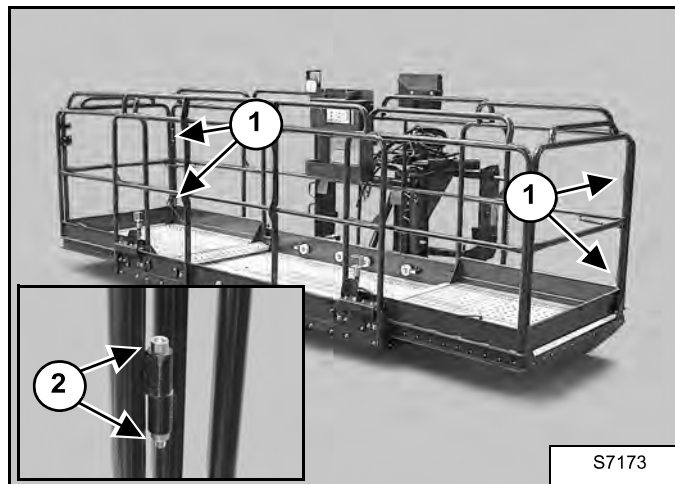
Rotation cylinder rod end (1 fitting) (Item 1). Cylinder mount pivot pins (2 fittings) (Item 2) **[Figure 10-30-1]**.

Figure 10-30-2



Main pivot pin (2 fittings) (Item 1) **[Figure 10-30-2]**.

Figure 10-30-3



Door hinges (2 on each side) (Item 1). To lubricate, remove nut and bolt (Item 2) **[Figure 10-30-3]**, apply grease and reinstall the bolt and nut.

Platform extension rollers are equipped with sealed bearings and therefore do not need to be lubricated.



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