



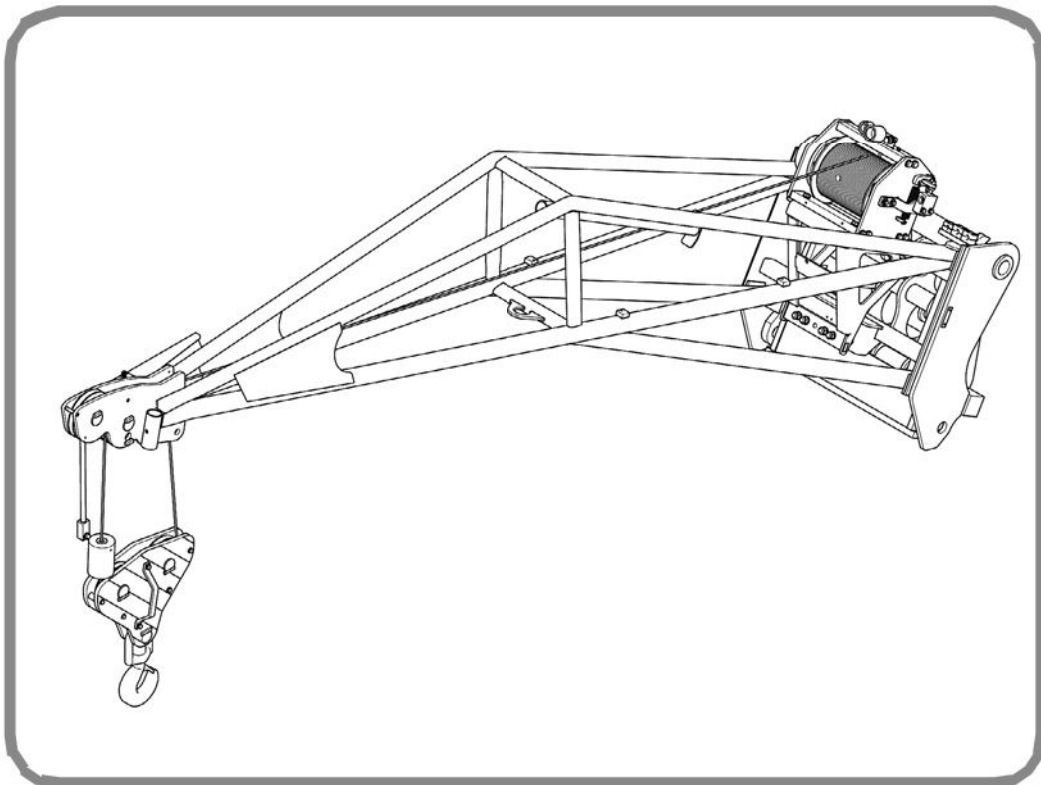
Bobcat®

EN

Service Manual

Hoisting Winch with Jib

Jib + Hoist 1000 kg: S/N AK3F00101 & Above
Jib + Hoist 600 kg: S/N AK3G00101 & Above



MAINTENANCE SAFETY



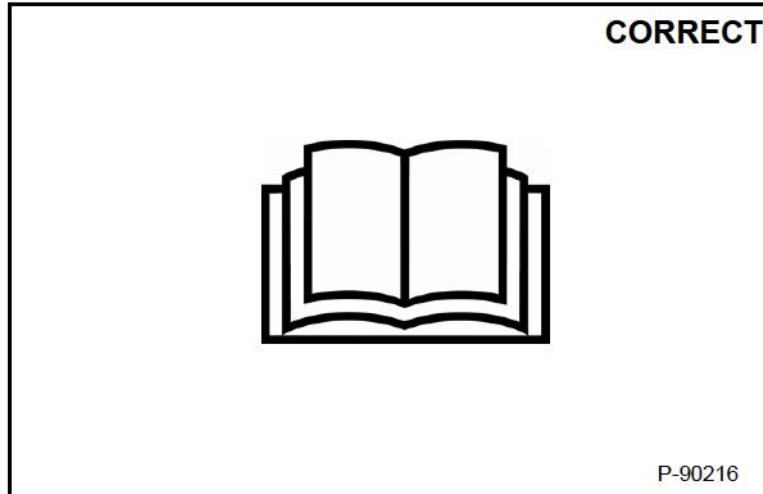
WARNING









Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0807



Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.



-  Never service attachments / implements without instructions. See Operation & Maintenance Manual and Attachment / Implement Service Manual.
-  Cleaning and maintenance are required daily.
-  Never service or adjust attachment / implement with the engine running unless instructed to do so in manual.
-  Always lower the attachment / implement to the ground before lubricating or servicing.
-  Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate skin or eyes.
-  Stop, cool and clean engine of flammable materials before checking fluids.
-  Keep body, loose objects and clothing away from moving parts, electrical contacts, hot parts and exhaust.
-  Safety glasses are needed for eye protection from electrical arcs, battery acid, compressed springs, fluids under pressure and flying debris or when tools are used. Use eye protection approved for type of welding.

MSW30-0409

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**SAFETY AND
MAINTENANCE**

**HYDRAULIC
SYSTEM**

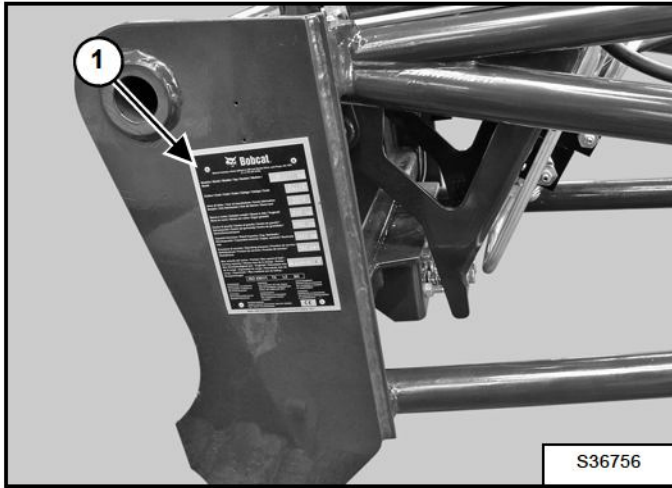
**MAIN
FRAME**

**ELECTRICAL
SYSTEM**

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SERIAL NUMBER LOCATION

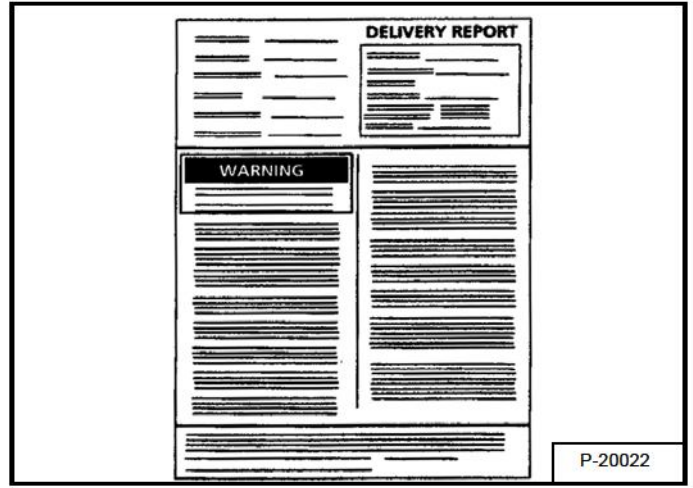
Figure 1



Always use the serial number (Item 1) [Figure 1] of the hoisting winch with jib 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.

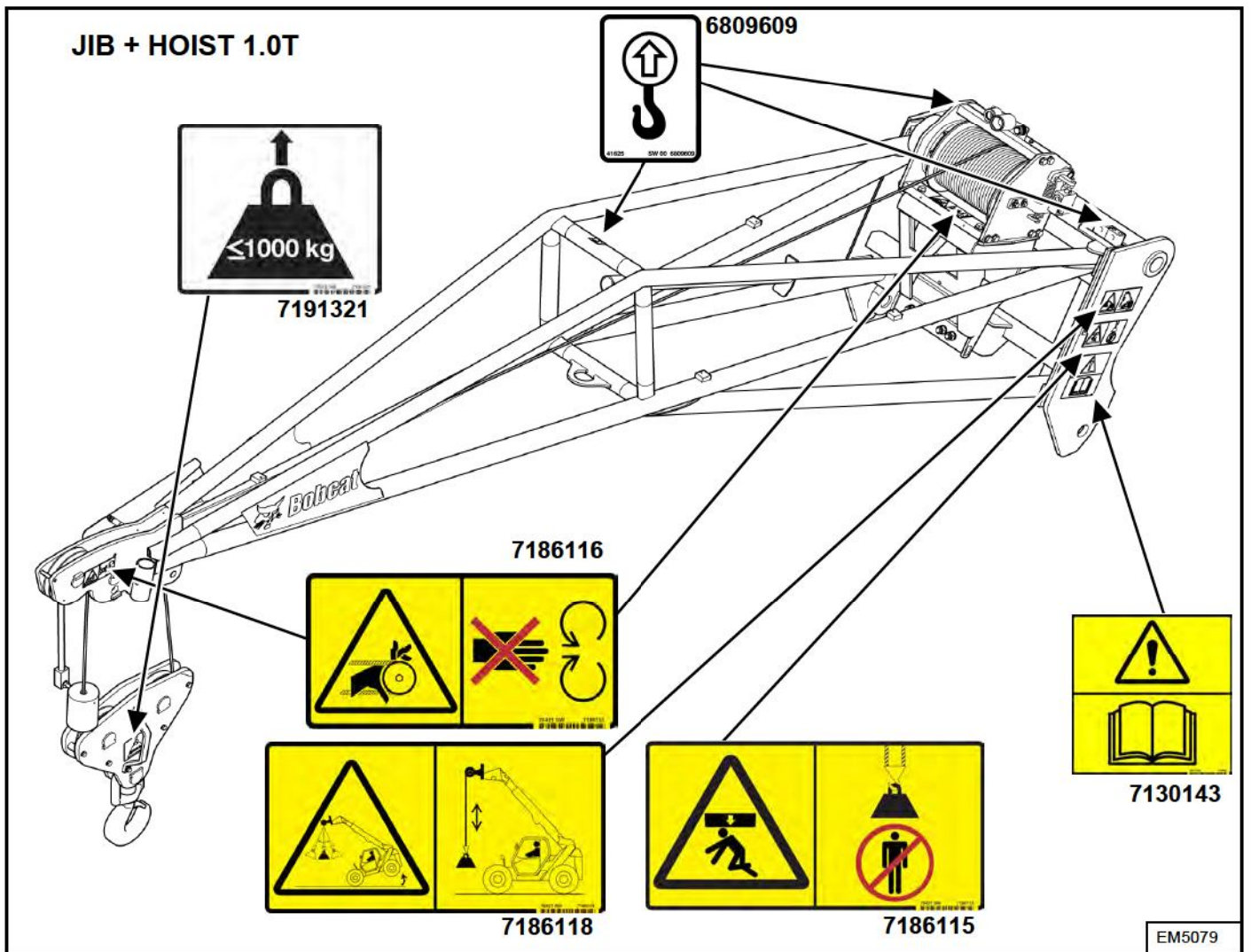
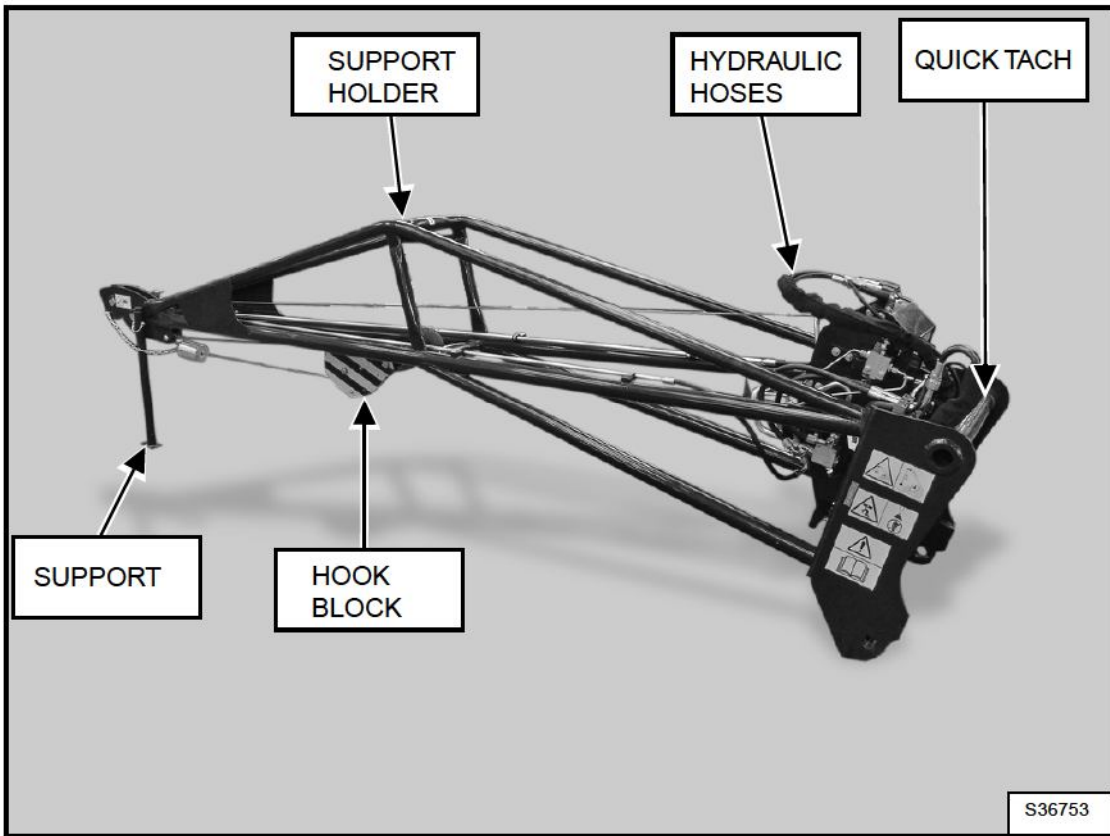
ATTACHMENT DELIVERY REPORT

Figure 2



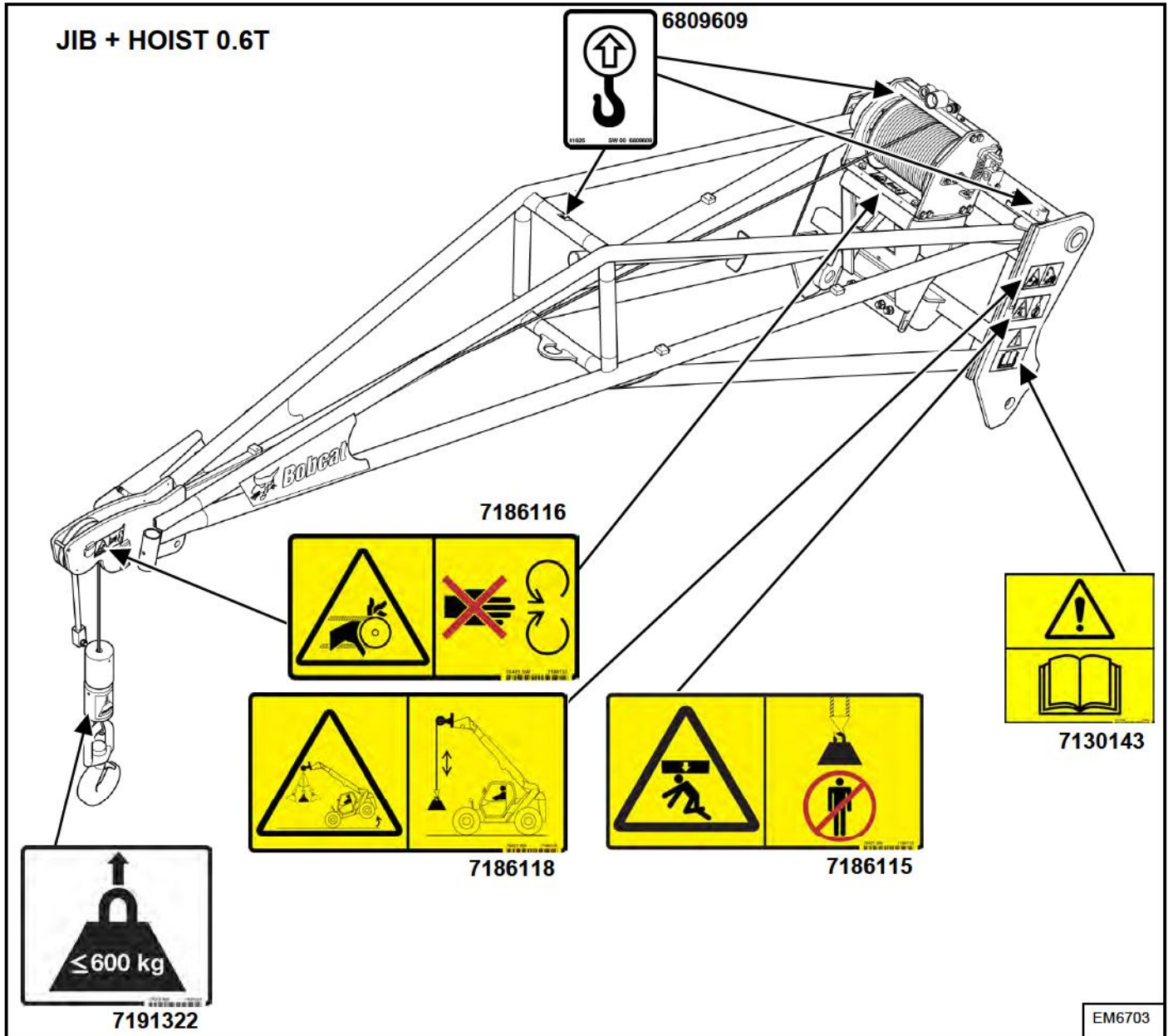
The Attachment Delivery Report must be completed by the dealer and signed by the owner or operator when the hoisting winch with jib is delivered. An explanation of the form must be given to the owner. Make sure it is entirely completed [Figure 2].

IDENTIFICATION AND MACHINE SIGNS (DECALS)



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IDENTIFICATION AND MACHINE SIGNS (DECALS) (CONT'D)



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SAFETY AND MAINTENANCE

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**SAFETY AND
MAINTENANCE**

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TROUBLESHOOTING

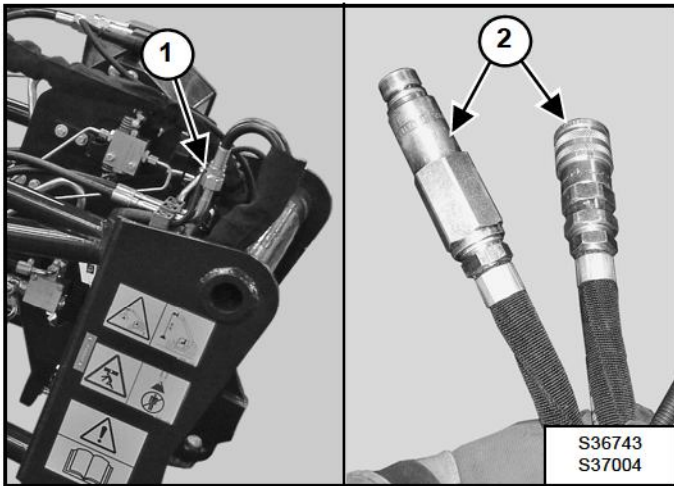
PROBLEM	CAUSE	CORRECTION
Winch function not working	No auxiliary hydraulic pressure	Check if boom head hydraulics are ON and all controls (radio control) are working.
	Defective electrical switch	Check if Kit Presence Switch makes contact with tab on quick-tach. Re-position if needed.
		Replace switch.
	Defective Rated Capacity switch	Check if Rated Capacity switch is activated without load. Re-position if needed.
		Replace switch.
	Defective hydraulic valve	Check if Lower Limit Valve is working. Replace if needed.
		Check if Upper Limit Valve is working. Replace if needed.
	Defective solenoid valve	Check if solenoids are working. Replace if needed.
	Clogged orifices (located in the hydraulic motor fittings)	Clean the orifices.
Defective Main Hydraulic Manifold	Replace Main Hydraulic Manifold.	
Cable is stuck	Check cable for kinks or loops. Replace if needed.	
Jib is not in horizontal position	Level out the attachment.	

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INSPECTION

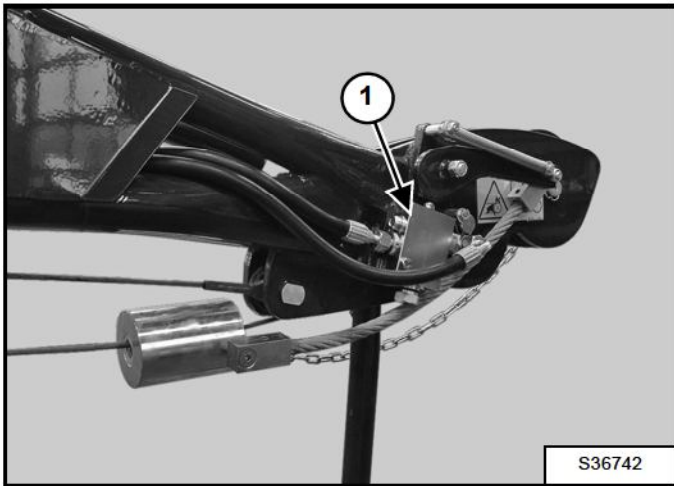
Hydraulic System Inspection

Figure 10-20-1



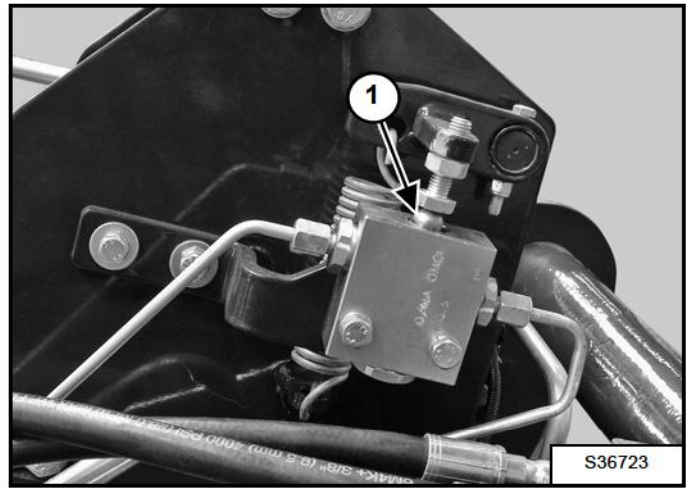
Check the tightness of hydraulic connections on the hoisting winch with jib (Item 1) and hydraulic quick couplers (Item 2) [Figure 10-20-1].

Figure 10-20-2



Check the working of the Upper Limit Valve (Item 1) [Figure 10-20-2]. (See Operation & Maintenance Manual for correct procedure.)

Figure 10-20-3



Check the working of the Lower Limit Valve (Item 1) [Figure 10-20-3]. (See Operation & Maintenance Manual for correct procedure.)

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