



# Bobcat®

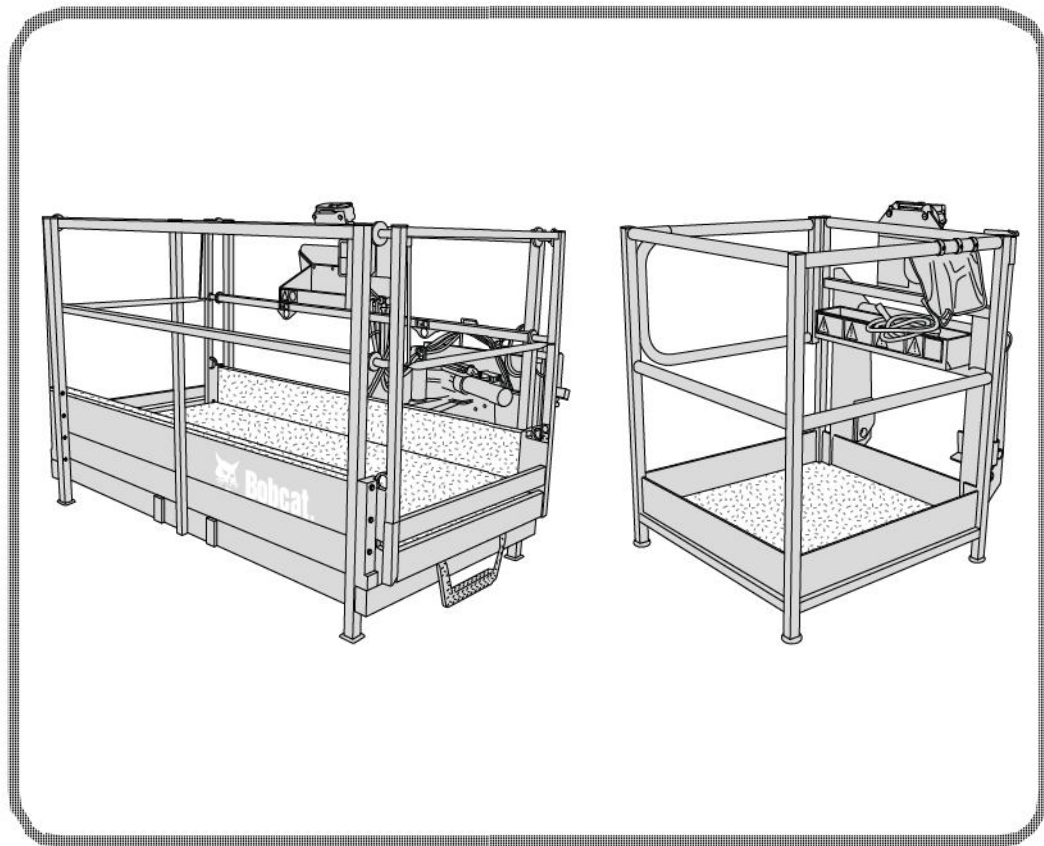
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## Service Manual

### Man Platform

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**(1M Man Platform 220KG) S/N B38G00101 & Above**  
**(2.2M Man Platform 300KG) S/N B3BR00101 & Above**  
**(4M Man Platform 300KG) S/N B3BP00101 & Above**  
**(4M Man Platform 800KG) S/N B35R00101 & Above**



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# MAINTENANCE SAFETY



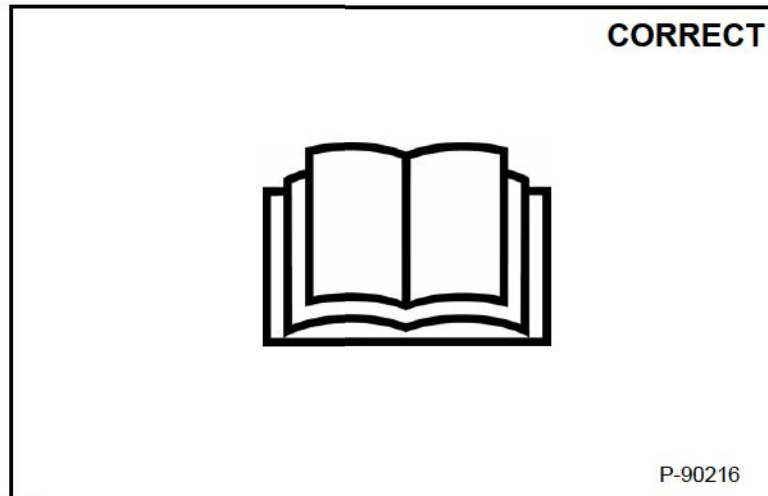
## WARNING









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.

Maintenance procedures which are given in the Operation & Maintenance Manual can be performed by the owner/operator without any specific technical training. Maintenance procedures which are not in the Operation & Maintenance Manual must be performed **ONLY BY QUALIFIED BOBCAT SERVICE PERSONNEL**. Always use genuine Bobcat replacement parts.

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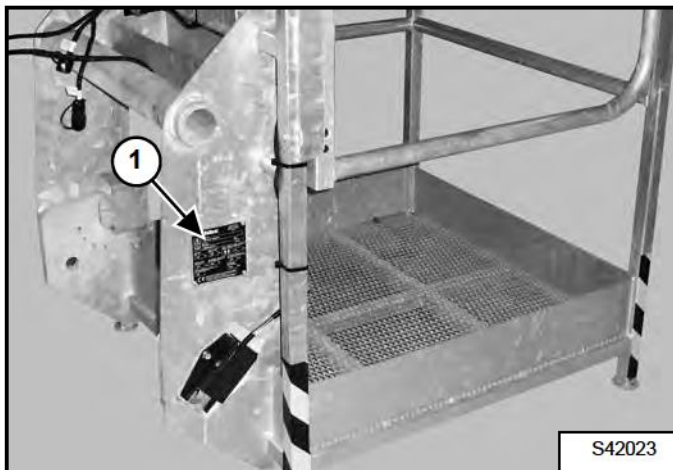
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## SERIAL NUMBER LOCATION

### 1M Man Platform 220KG

Figure 1

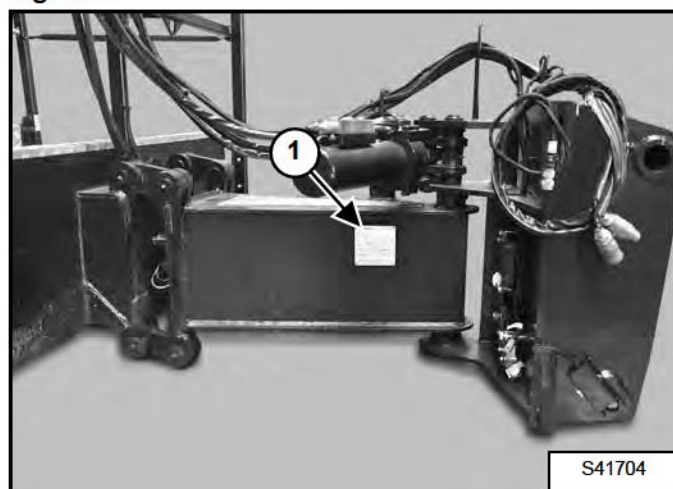


The serial number plate (Item 1) [Figure 1] is located on the right side of the attachment system of the man platform.

Always use the serial number of the man platform when requesting service information or when ordering parts. Early or later models (identification made by serial number) can use different parts, or it can be necessary to use a different procedure in doing a specific service.

### 2.2M Man Platform 300KG, 4M Man Platform 300KG And 4M Man Platform 800KG

Figure 2



The serial number plate (Item 1) [Figure 2] is located on the left side of the rotation structure of the man platform.

Always use the serial number of the man platform when requesting service information or when ordering parts. Early or later models (identification made by serial number) can use different parts, or it can be necessary to use a different procedure in doing a specific service.

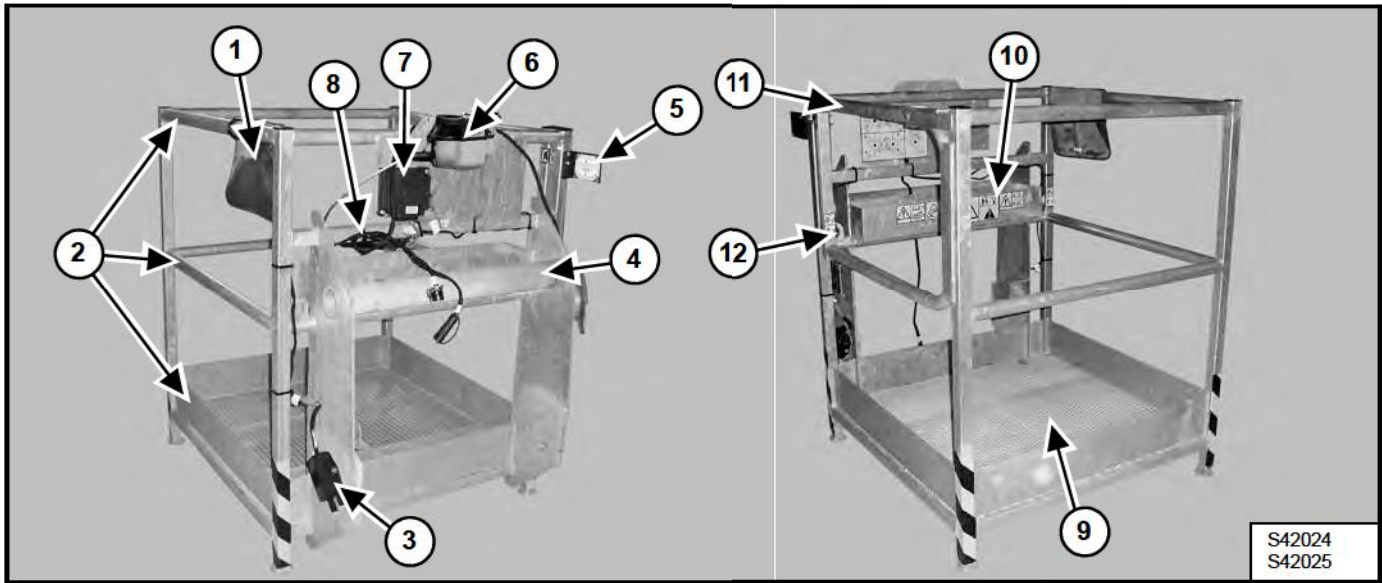
## ATTACHMENT DELIVERY REPORT

Figure 3

The delivery report [Figure 3] must be completed 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.

## ATTACHMENT IDENTIFICATION

### 1M Man Platform 220KG

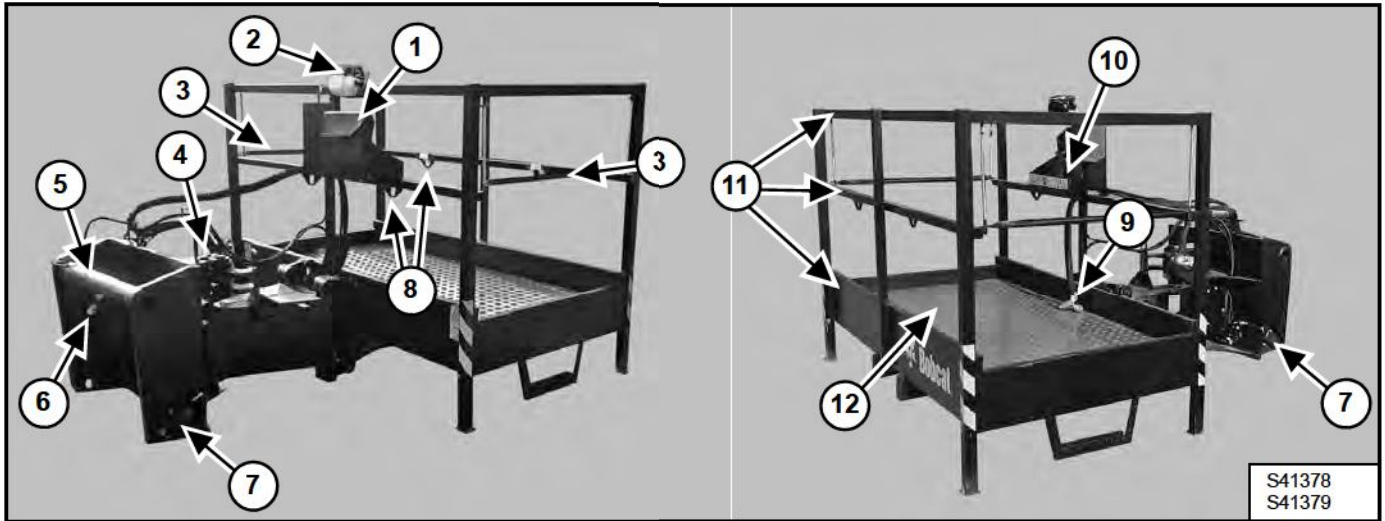


ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Operation & Maintenance Manual	7	Controller
2	Upper Handrail, Intermediate Handrail And Lower Plinth	8	Electrical Connector
3	Interlocking Sensor	9	Non-Slip Floor
4	Attachment Tool Carrier	10	Tool Storage Box
5	Tilt Indicator	11	Door
6	Remote Control	12	Anchor Point For Operator Safety Harness

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**ATTACHMENT IDENTIFICATION (CONT'D)**

**2.2M Man Platform 300KG**

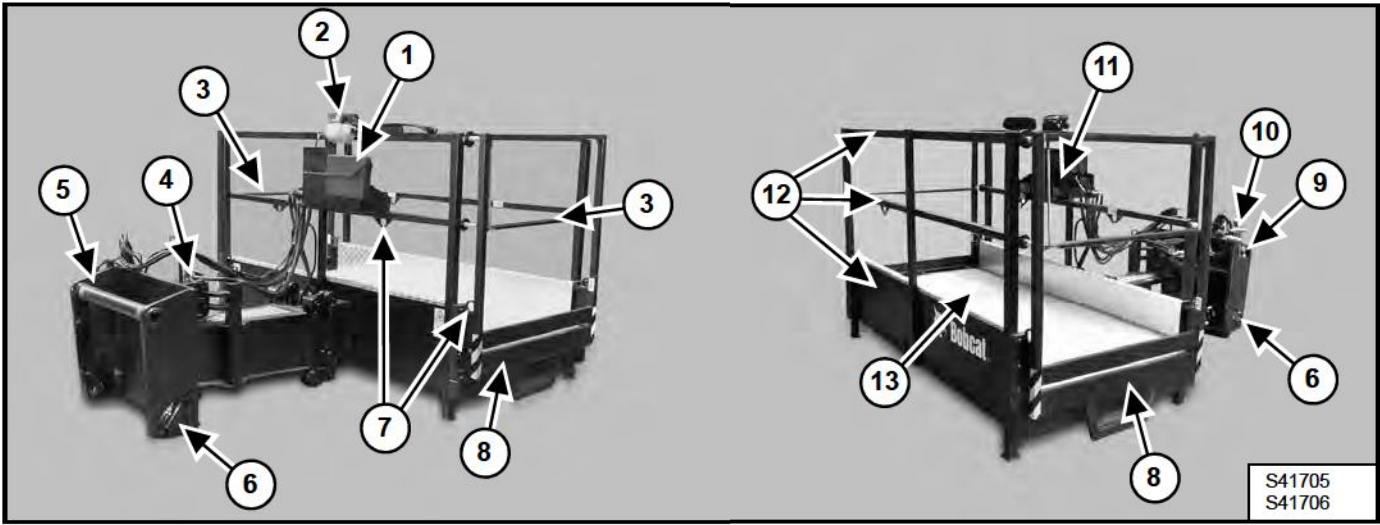


ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Operation & Maintenance Manual	7	Interlocking Sensor
2	Remote Control	8	Anchor Point For Operator Safety Harness
3	Doors	9	Hydraulic Quick Couplers
4	Rotation Cylinder	10	Tool Storage Box
5	Attachment Tool Carrier	11	Upper Handrail, Intermediate Handrail And Lower Plinth
6	Safety Electrical Connector	12	Non-Slip Floor

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**ATTACHMENT IDENTIFICATION (CONT'D)**

**4M Man Platform 300KG And 4M Man Platform 800KG**



ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Operation & Maintenance Manual	8	Extension
2	Remote Control	9	Electrical Connector
3	Doors	10	Hydraulic Quick Couplers
4	Rotation Cylinder	11	Tool Storage Box
5	Attachment Tool Carrier	12	Upper Handrail, Intermediate Handrail And Lower Plinth
6	Interlocking Sensor	13	Non-Slip Floor
7	Anchor Point For Operator Safety Harness		

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## ATTACHMENT SIGNS (DECALS)

Follow the instructions on all the Attachment Signs (Decals) that are on the attachment. Replace any damaged attachment signs and be sure they are in the correct locations. Attachment signs are available from your Bobcat attachment dealer.

### 1M Man Platform 220KG

The diagram illustrates the correct placement of six safety signs on the 1M Man Platform 220KG. The signs are as follows:

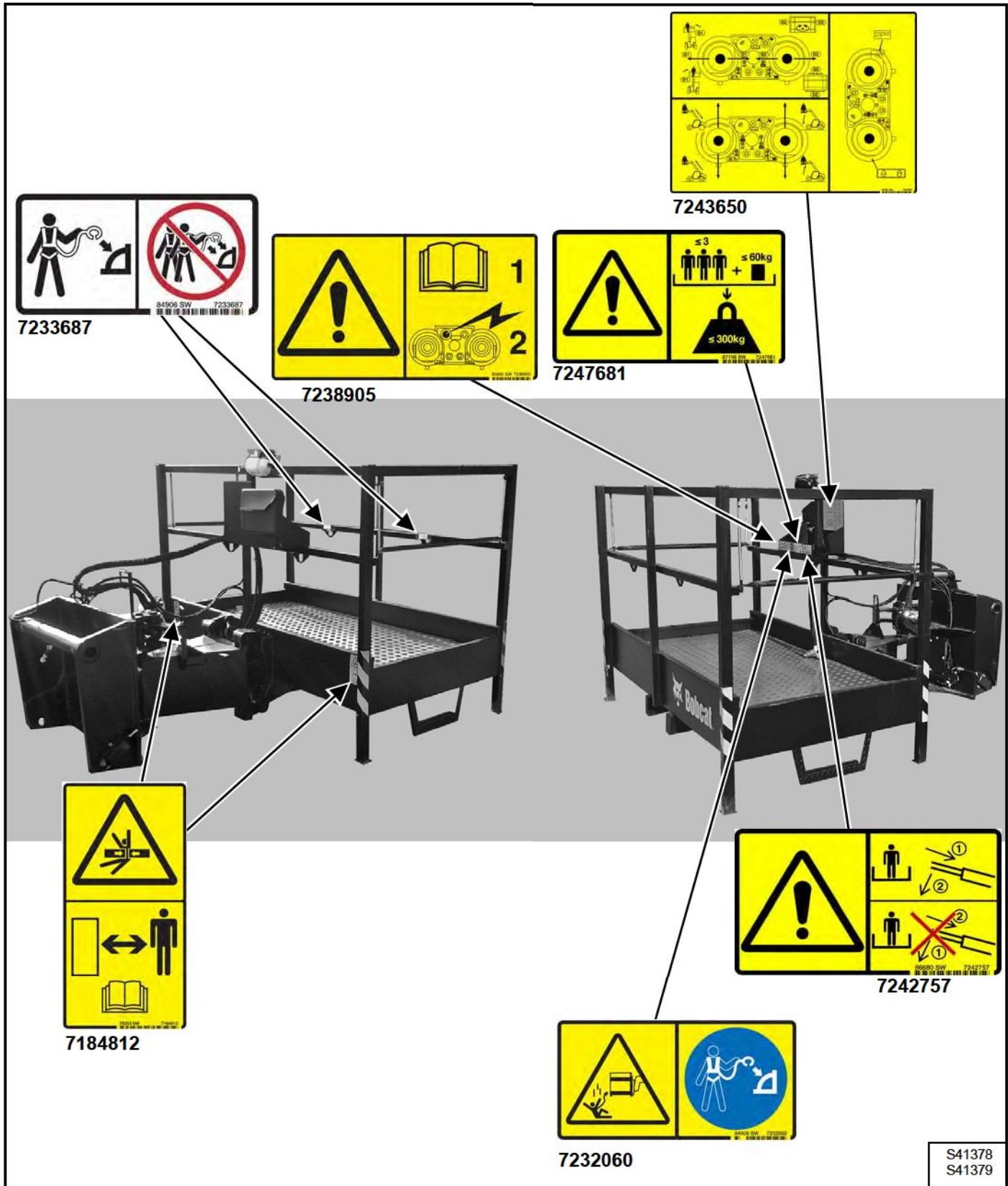
- 7243650:** A yellow sign with four panels showing technical diagrams of the platform's components.
- 7238907:** A yellow sign with a warning triangle, a weight limit icon showing two people and a box with " $\leq 2$ " and " $\leq 60\text{kg}$ ", and a weight limit icon showing a person and a box with " $\leq 220\text{kg}$ ".
- 7242157:** A yellow sign with a warning triangle and two panels showing correct and incorrect climbing procedures with numbered arrows (1 and 2).
- 7238905:** A yellow sign with a warning triangle, an open book icon with the number "1", and a lightning bolt icon with the number "2".
- 7232060:** A yellow sign with a warning triangle showing a person tripping over a cable, and a blue circular icon showing a person using a tool.
- 7233688:** A white sign with a red prohibition symbol over a person using a tool, and a black and white illustration of a person using a tool.

Arrows from each sign point to its specific location on the platform's frame. A small box in the bottom right corner of the diagram contains the codes S42024 and S42025.

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ATTACHMENT SIGNS (DECALS) (CONT'D)

2.2M Man Platform 300KG



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ATTACHMENT SIGNS (DECALS) (CONT'D)

4M Man Platform 300KG

7233687

84906 SW 7233687

7238905

7247681

7243650

7242756

7184812

7233688

7242757

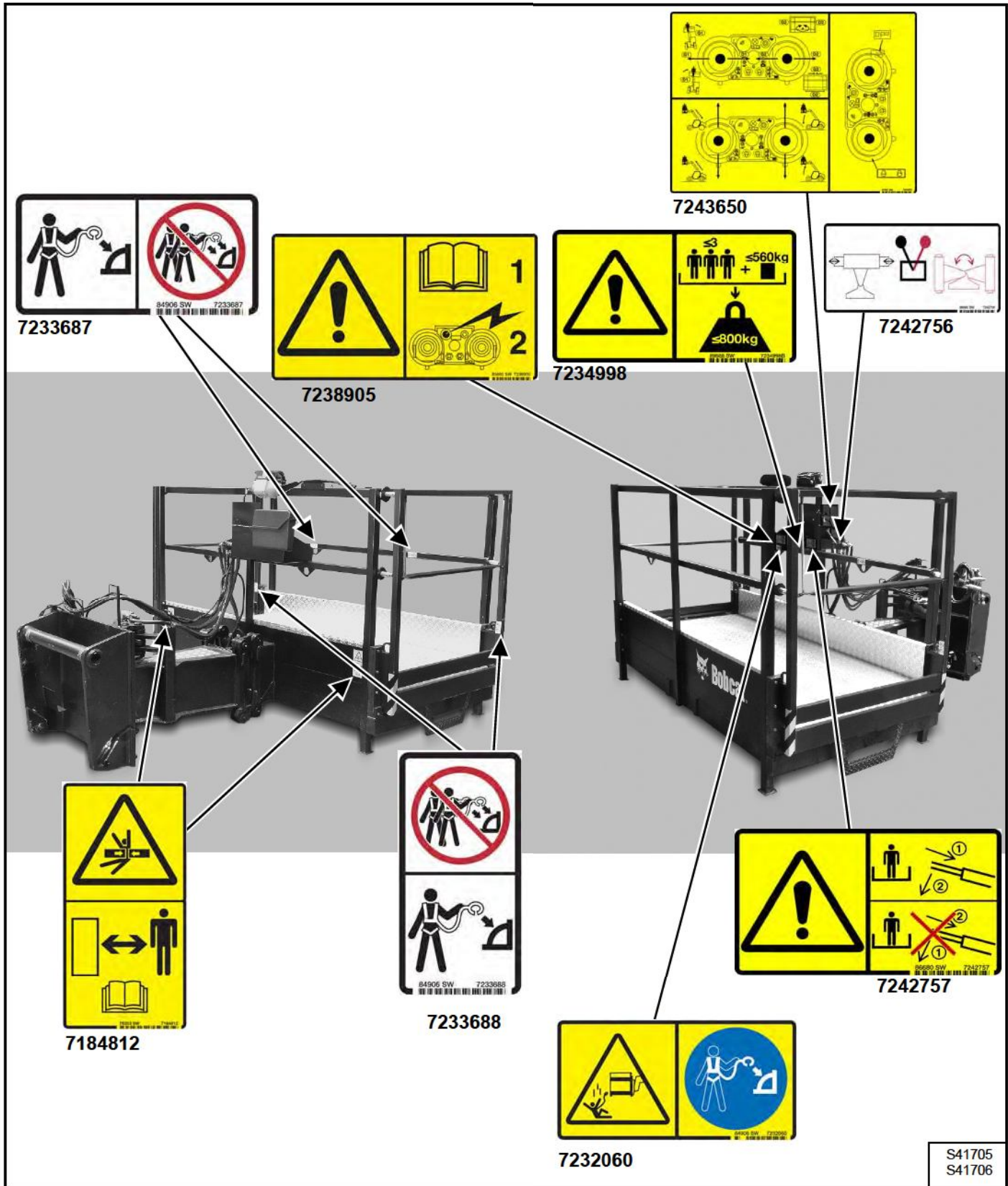
7232060

S41705  
S41706

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ATTACHMENT SIGNS (DECALS) (CONT'D)

4M Man Platform 800KG



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S41705  
S41706

## SAFETY AND MAINTENANCE

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## INSPECTION

### Troubleshooting

PROBLEM	CAUSE	CORRECTION
Rotation function not working	No auxiliary hydraulic pressure	Check if boom head hydraulics are ON and all controls (remote 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
Extension function not working	No auxiliary hydraulic pressure	Check if boom head hydraulics are ON and all controls (remote control) are working

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## INSPECTION (CONT'D)

### Diagnostic Service Codes

#### Viewing Service Codes

Specific man platform service codes can be displayed on the display screen of the telescopic handler. Refer to the Operation & Maintenance Manual of the telescopic handler for the correct procedure to view the service codes.

#### Service Codes List - Workgroup Controller

The workgroup controller is located in the rear frame of the telescopic handler, left of the boom.

CODE	DESCRIPTION	RESULTS
W4204	Receiver No Communication	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4205	Remote Left Joystick X Axis OON	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4206	Remote Right Joystick X Axis OON	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4207	Remote Left Joystick Y Axis OON	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4208	Remote Right Joystick Y Axis OON	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4215	Remote Left Joystick X axis in error	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4215	Remote Left Joystick X axis in error	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4216	Remote Right Joystick X axis in error	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4217	Remote Left Joystick Y axis in error	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4218	Remote Right Joystick Y axis in error	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4320	Manbasket mode : Remote control not connected to Manbasket harness (from receiver CAN Bus signal)	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4321	Manbasket mode : Remote control not connected to Manbasket harness (from receiver GACD controller status)	Manbasket mode error Orange LED on transmitter flashes fast. 3 beeps every 10 seconds at transmitter.
W4325	Manbasket mode : Manbasket detection in error	Manbasket mode error Orange LED on transmitter flashes slowly. 3 beeps every 10 seconds at transmitter.
W4326	Manbasket mode : Manbasket not detected on carriage	Manbasket mode error Orange LED on transmitter flashes slowly. 3 beeps every 10 seconds at transmitter.
W4327	Manbasket mode : Manbasket not detected on carriage with GACD on or Remote control active	Manbasket mode error Orange LED on transmitter flashes slowly. 3 beeps every 10 seconds at transmitter.
W4330	Manbasket mode : Manbasket Retract switch in error	Manbasket mode error Orange LED on transmitter flashes slowly. 3 beeps every 10 seconds at transmitter.
W4331	Manbasket mode : No boom extension when expected (boom retract switch ON)	Manbasket mode error Orange LED on transmitter flashes slowly. 3 beeps every 10 seconds at transmitter.

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