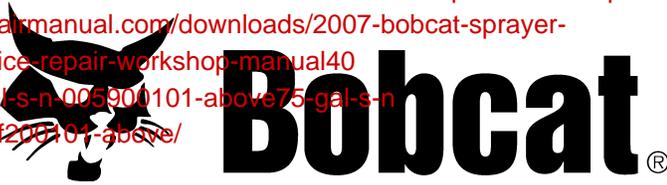


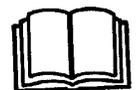
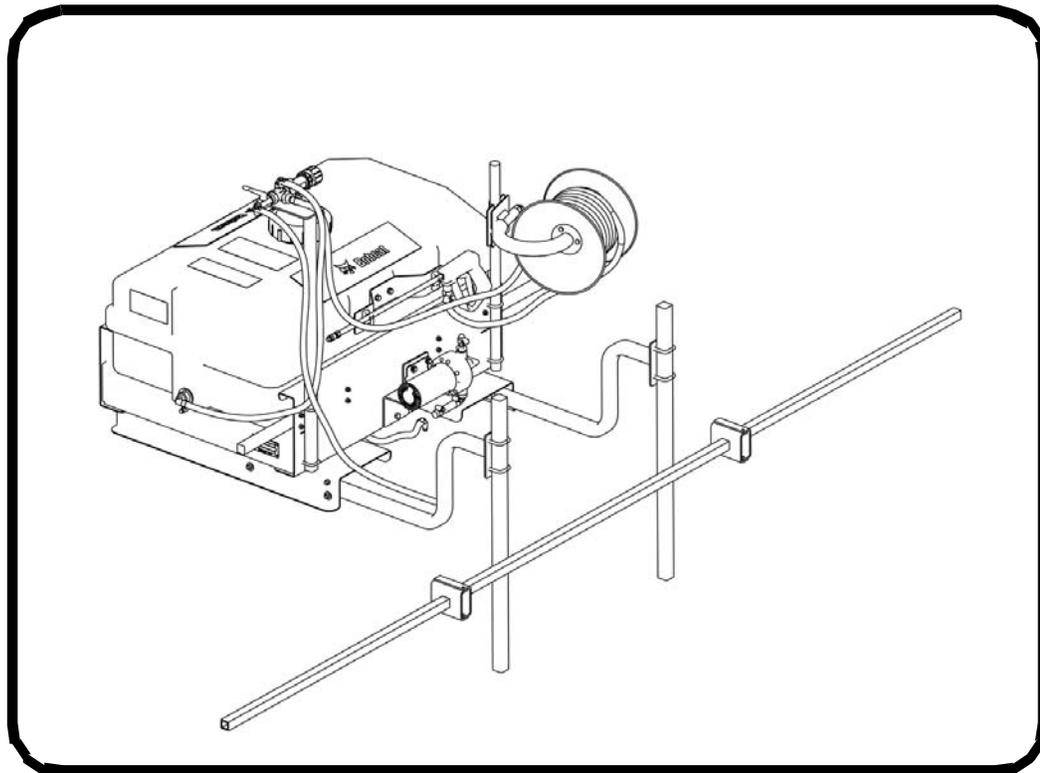
Product: 2007 Bobcat Sprayer 40 Gal/50 Gal/75 Gal/80 Gal Service Repair Workshop Manual(40 Gal S/N A7W300101 & Above)
Full Download: <https://www.aresairmanual.com/downloads/2007-bobcat-sprayer-40-gal-50-gal-75-gal-80-gal-service-repair-workshop-manual40-gal-s-n-a7w300101-above50-gal-s-n-005900101-above75-gal-s-n-005400101-above80-gal-s-n-a7f200101-above/>



Service Manual

Sprayer

(40 Gal) S/N A7W300101 & Above
(50 Gal) S/N 005900101 & Above
(75 Gal) S/N 005400101 & Above
(80 Gal) S/N A7F200101 & Above



Sample of manual. Download All 172 pages at:

<https://www.aresairmanual.com/downloads/2007-bobcat-sprayer-40-gal-50-gal-75-gal-80-gal-service-repair-workshop-manual40-gal-s-n-a7w300101-above50-gal-s-n-005900101-above75-gal-s-n-005400101-above80-gal-s-n-a7f200101-above/>

6902775 (9-07)

Printed in U.S.A.

© Bobcat Company 2007

Product: 2007 Bobcat Sprayer 40 Gal/50 Gal/75 Gal/80 Gal Service Repair Workshop Manual(40 Gal S/N A7W300101 & Above)
Full Download: <https://www.arepairmanual.com/downloads/2007-bobcat-sprayer-40-gal-50-gal-75-gal-80-gal-service-repair-workshop-manual40-gal-s-n-a7w300101-above50-gal-s-n-005900101-above75-gal-s-n-005400101-above80-gal-s-n-a7f200101-above/>

Sample of manual. Download All 172 pages at:
<https://www.arepairmanual.com/downloads/2007-bobcat-sprayer-40-gal-50-gal-75-gal-80-gal-service-repair-workshop-manual40-gal-s-n-a7w300101-above50-gal-s-n-005900101-above75-gal-s-n-005400101-above80-gal-s-n-a7f200101-above/>

MAINTENANCE SAFETY

WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, 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-2003-0199

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

CORRECT



B-10731A

-  Never service attachments without instructions. See Operation & Maintenance Manual and Attachment Service Manual.
-  Cleaning and maintenance are required daily.
-  Never service or adjust attachment with the engine running unless instructed to do so in the manual.
-  Always lower the attachment 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.



Bobcat®

ALPHABETICAL INDEX

40 GALLON SPRAYER SPECIFICATIONS	SPEC-13-1
50 GALLON SPRAYER SPECIFICATIONS	SPEC-10-1
75 GALLON SPRAYER SPECIFICATIONS	SPEC-11-1
80 GALLON SPRAYER SPECIFICATIONS	SPEC-12-1
BOOM ASSEMBLY (40 & 50 GALLON)	30-40-1
BOOM ASSEMBLY (75 & 80 GALLON)	30-41-1
DELIVERY REPORT	III
ELECTRICAL SCHEMATIC (40 & 50 GALLON SPRAYER)	SPEC-20-1
ELECTRICAL SCHEMATIC (75 & 80 GALLON SPRAYER)	SPEC-21-1
HAND/EYE WASK TANK	30-50-1
HOSE REEL	30-90-1
IDENTIFICATION AND MACHINE SIGNS (DECALS)	IV
INSPECTION	10-30-1
NOZZLE	30-60-1
PLUMBING SCHEMATIC (40 & 80 GALLON SPRAYER)	SPEC-30-1
PLUMBING SCHEMATIC (75 & 80 GALLON SPRAYER)	SPEC-31-1
PUMP	30-11-1
PUMP HARNESS	20-20-1
PUMP (SPRAYER)	30-80-1
PUMP (WATER KIT)	30-70-1
RELAY	20-40-1
RINSE TANK	30-30-1
TEE VALVE	30-120-1
TROUBLESHOOTING	10-20-1
SAFETY INSTRUCTIONS	10-10-1
SERIAL NUMBER LOCATION	III
SKID (40 & 80 GALLON)	30-11-1
SKID (50 & 75 GALLON)	30-10-1
SPRAY TANK	30-20-1
SPRAY TIP CHART	SPEC-40-1
SPRAY WAND (50 GALLON)	30-102-1
SPRAY WAND (LAWN & TURF)	30-101-1
SPRAY WAND (STANDARD)	30-100-1
SPRAYER SWITCH (ROCKER)	20-30-1
SPRAYER SWITCH (TOGGLE)	20-31-1
STRAINER	10-40-1

**ALPHABETICAL
INDEX**

ALPHABETICAL INDEX (CONT'D)

WIRE HARNESS (UTILITY WORK MACHINE)	20-10-1
WIRE HARNESS (2100 UTILITY VEHICLE)	20-11-1
WIRE HARNESS (2200 & 2300 UTILITY VEHICLES)	20-12-1

CONTENTS

SERIAL NUMBER LOCATION	III
IDENTIFICATION AND MACHINE SIGNS (DECALS)	IV
40 Gallon Sprayer	IV
50 Gallon Sprayer	V
75 Gallon Sprayer	VI
80 Gallon Sprayer	VII
PREVENTIVE MAINTENANCE	10-01
ELECTRICAL SYSTEM	20-01
MAIN FRAME	30-01
SPECIFICATIONS AND SCHEMATICS	SPEC-01

**PREVENTIVE
MAINTENANCE**

**ELECTRICAL
SYSTEM**

**MAIN
FRAME**

**SPECIFICATIONS
AND
SCHEMATICS**

**CALIFORNIA
PROPOSITION 65 WARNING**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.



Bobcat®

SERIAL NUMBER LOCATION

Figure 1

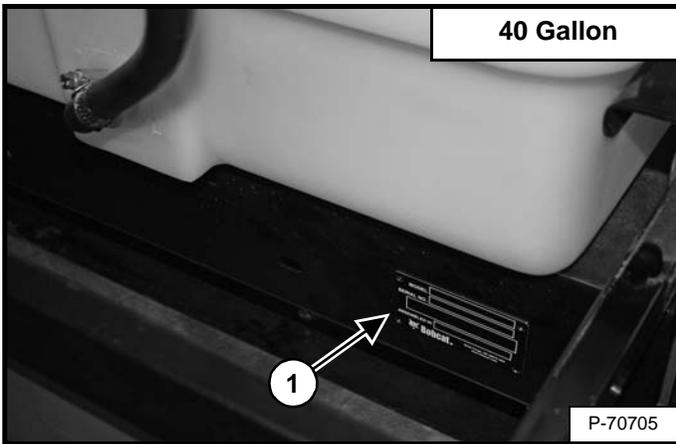


Figure 2

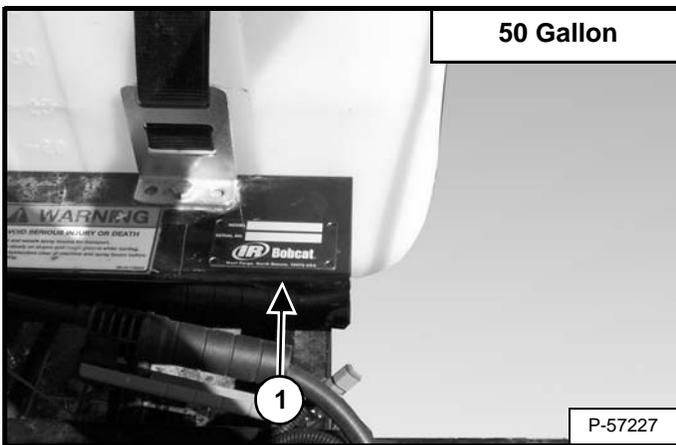


Figure 3

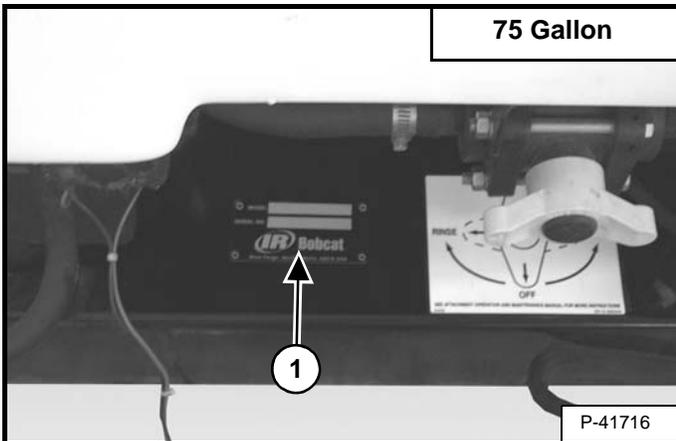
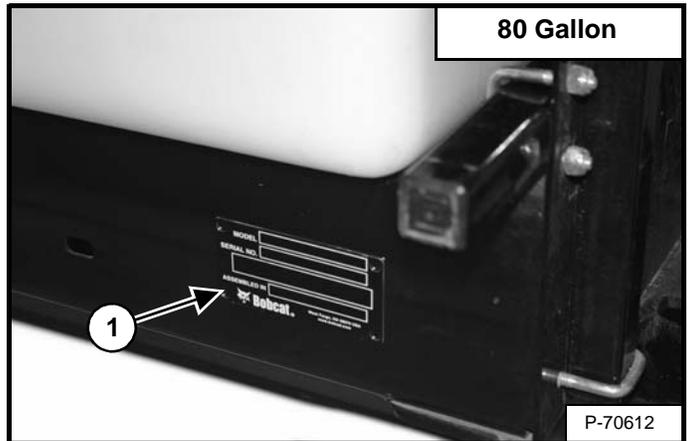


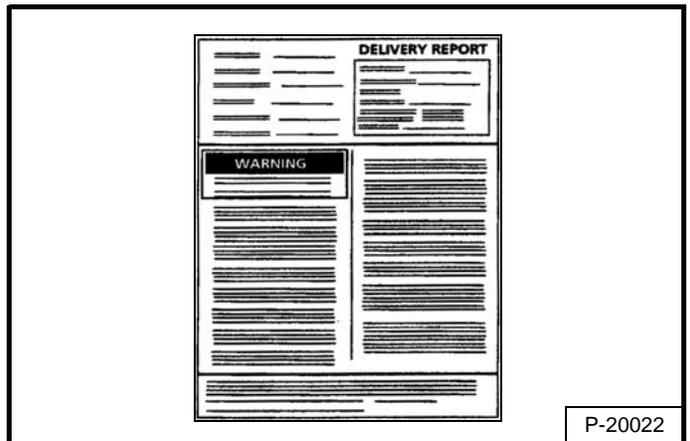
Figure 4



Always use the serial number (Item 1) [Figure 1], [Figure 2], [Figure 3] & [Figure 4] of the sprayer when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation.

DELIVERY REPORT

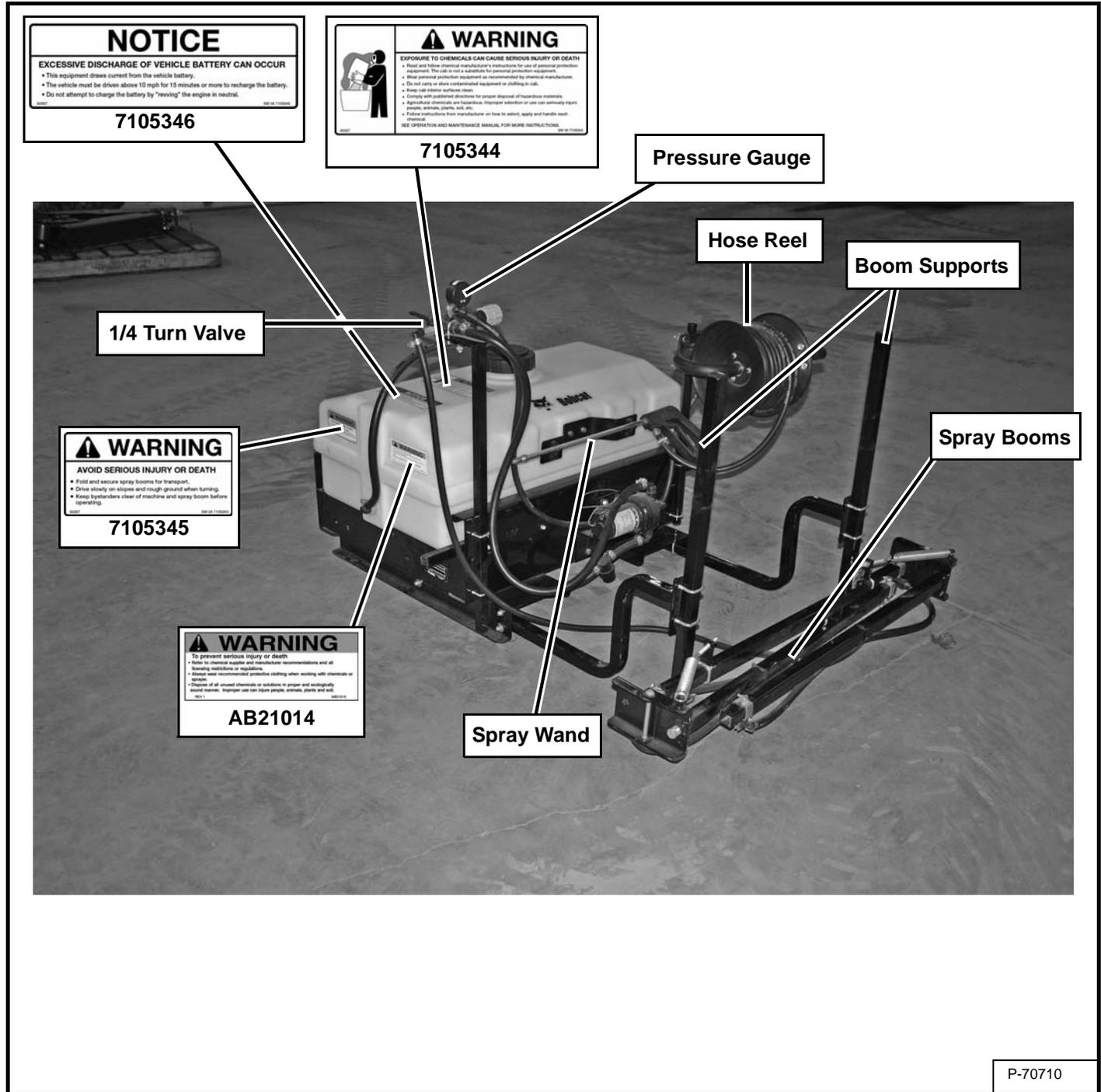
Figure 5



The delivery report must be filled out by the dealer and signed by the owner or operator when the sprayer is delivered. An explanation of the form must be given to the owner. Make sure it is filled out completely [Figure 5].

IDENTIFICATION AND MACHINE SIGNS (DECALS)

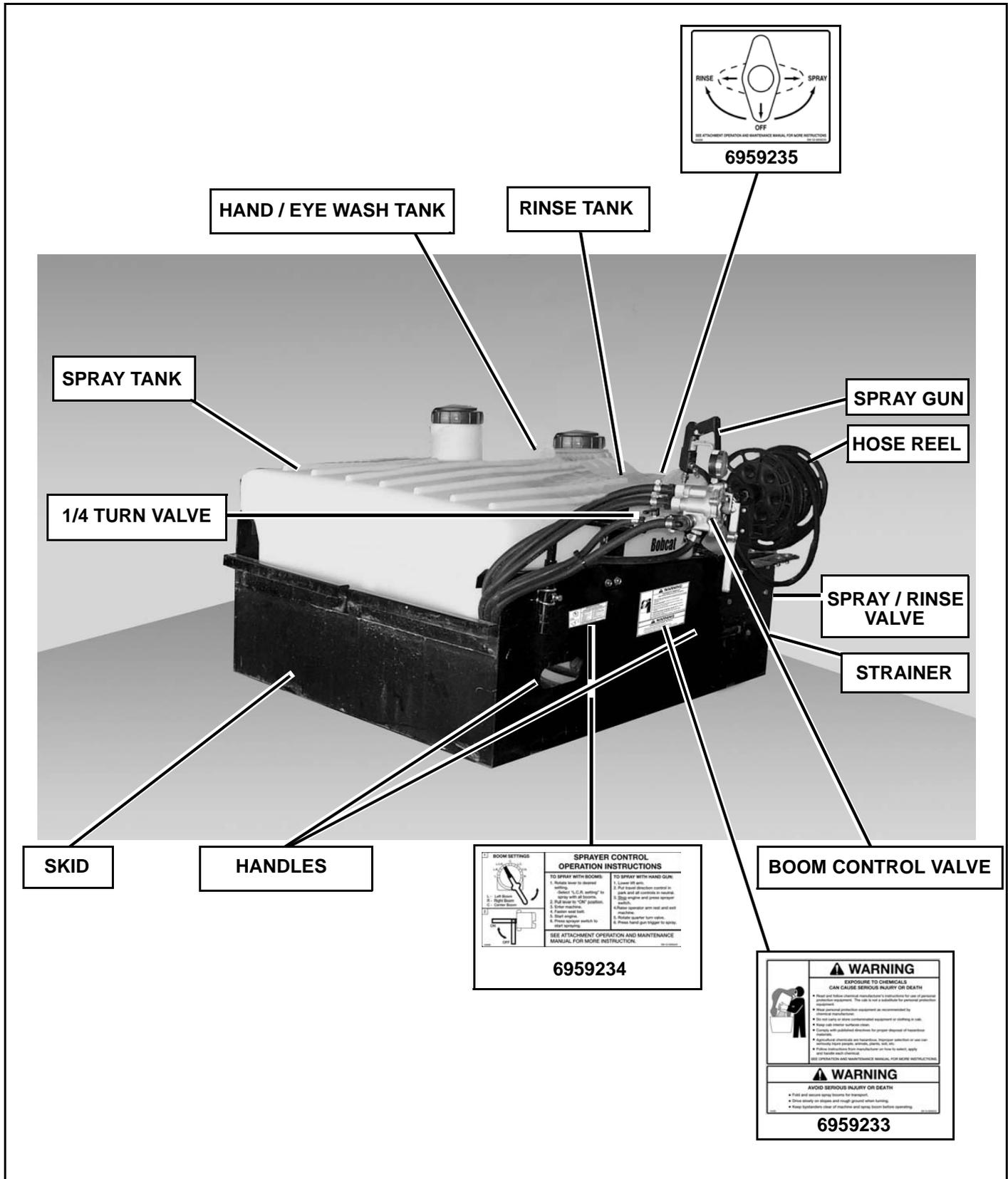
40 Gallon Sprayer



P-70710

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

75 Gallon Sprayer



HAND / EYE WASH TANK

RINSE TANK

SPRAY TANK

SPRAY GUN

HOSE REEL

1/4 TURN VALVE

SPRAY / RINSE VALVE

STRAINER

SKID

HANDLES

BOOM CONTROL VALVE

BOOM SETTINGS

TO SPRAY WITH BOOM:

1. Rotate lever to desired setting.
2. Turn boom on.
3. Turn on engine.
4. Press boom switch to start sprayer.

TO SPRAY WITH HAND GUN:

1. Lower till arm.
2. Turn hand direction control to left and all controls to neutral.
3. Engage engine and press boom switch.
4. Rotate operator arm and adjust boom.
5. Rotate quarter turn valve.
6. Press hand gun trigger to spray.

SEE ATTACHMENT OPERATOR AND MAINTENANCE MANUAL FOR MORE INSTRUCTION.

6959234

WARNING

EXPOSURE TO CHEMICALS CAN CAUSE SERIOUS INJURY OR DEATH

- Read and follow chemical manufacturer's instructions for use of personal protective equipment. The use is not a substitute for personal protective equipment.
- Wear personal protective equipment as recommended by chemical manufacturer.
- Do not eat or drink contaminated equipment or clothing in use.
- Keep all chemical equipment clean.
- Consult any published directions for proper disposal of hazardous materials.
- Agricultural chemicals are hazardous. Transport, handle or use only according to label directions. Identify, store, use, and dispose of chemicals according to manufacturer or local, state, federal, and federal regulations.
- DO NOT OPERATE THIS EQUIPMENT WITHOUT PROPER TRAINING.

WARNING

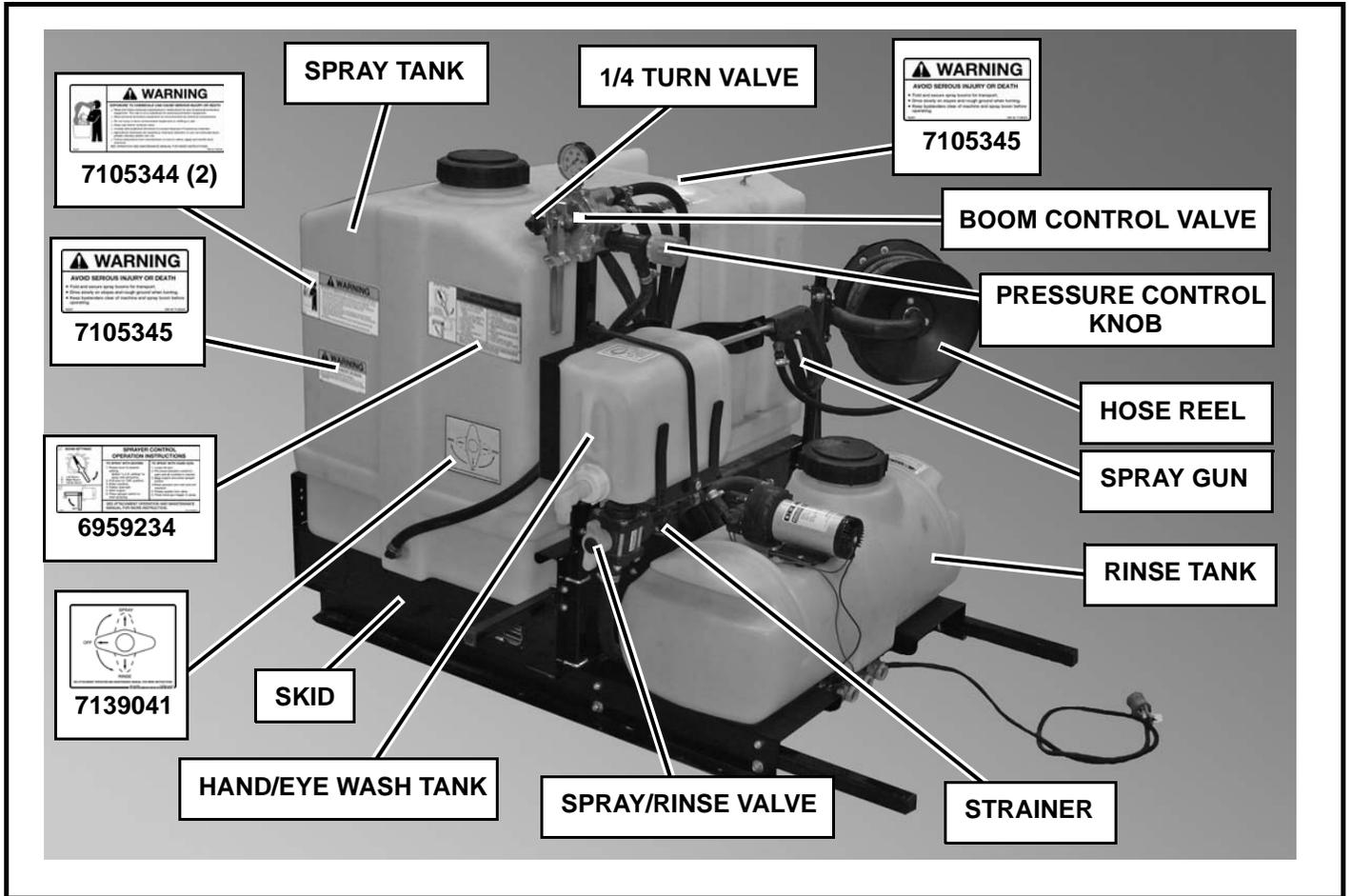
AVOID SERIOUS INJURY OR DEATH

- Roll and secure spray boom for transport.
- Close spray on engine and through ground when turning.
- Keep bystanders clear of machine and spray boom before operating.

6959233

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

80 Gallon Sprayer





Bobcat®

PREVENTIVE MAINTENANCE

INSPECTION	10-30-1
Hoses.....	10-30-1
Nozzle Inspection.....	10-30-1
SAFETY INSTRUCTIONS	10-10-1
Rules For Safe Use Of Chemicals.....	10-10-1
Use Safety Rules.....	10-10-1
STRAINER	10-40-1
Removal And Installation.....	10-40-1
TROUBLESHOOTING	10-20-1

**PREVENTIVE
MAINTENANCE**



Bobcat®

SAFETY INSTRUCTIONS

Use Safety Rules

- Keep arms and legs inside operator area and lower operator arm rest when operating Bobcat Work Machine.
- Keep your seat belt fastened snugly when operating the machine and attachment.
- When learning to operate the attachment, do it at a slow rate in an area clear of bystanders.
- DO NOT permit personnel to be in the work area when operating the machine and attachment.
- Before leaving the operator's seat always lower the lift arm, put the attachment flat on the ground, raise the operator arm rest, stop the engine and put the travel direction control lever in PARK.
- DO NOT make any adjustments or repairs on the machine or attachment while the engine is running.
- Do not modify equipment or add attachments that are not approved by the manufacturer.
- The attachment must be used ONLY on machines with the correct load capacity.
- Avoid inhaling chemicals. When directed on the label, wear protective clothing, face shield or goggles.
- Never smoke while spraying or handling chemicals.
- Cover food and water containers when spraying around livestock or pet areas.
- If symptoms of illness occurs during or shortly after spraying, call a physician or go to a hospital immediately.
- Follow label directions and advise to keep residues on edible portions of plants within the limits permitted by law.
- Keep chemicals out of the reach of children, pets and unauthorized personnel. Store them outside of the home, away from food and feed and lock them in a secure area.
- Keep bystanders away from spray drift.
- Always store chemicals in original containers and keep them tightly closed. Never keep them in anything but the original container. Read labels for hazards about chemical reaction with certain types of metals.
- Always dispose of empty containers according to manufacturer's directions.

Rules For Safe Use Of Chemicals

SIA61-1003

- Always read the label before using chemicals. Follow instructions from chemical manufacturer on how to select, use and handle each chemical. Note protection information each time before opening the container.
- Verbal warnings must be given if written warnings cannot be understood by workers.
- Do not spill chemicals on skin or clothing. If chemicals are spilled, remove contaminated clothing immediately and wash skin (and clothing) thoroughly with soap and water. Wash hands and face with soap and water and change clothing after spraying. Wash clothing each day before reuse.
- The spray tank and system should be emptied of chemical mixture and flushed with clean water before servicing the spray system or spray components. Clean machine of all chemical residue before servicing.



Bobcat®

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Low Pressure	Plugged filter	Clean Filter
Pump Cycling ON/OFF Rapidly	Plugged Filter	Clean Filter
	Tank Empty	Fill Tank
	Selector Valve In OFF Position	Turn To Spray
Pump Does Not Start	Blown Fuse	Replace Fuse
	Harness Not Plugged In	Plug Harness In
Spray Gun Does Not Work	1/4 Turn Valve Not ON	Turn Valve ON
	Plugged Filter	Clean Filter
Chemical Is Spraying Unevenly Or Not At all From Tips	Plugged Spray Tip	Clean Tip



Bobcat®

INSPECTION

Hoses



The tank and system must be emptied of chemical mixture and flushed with clean water before servicing the spray system or spraying components.

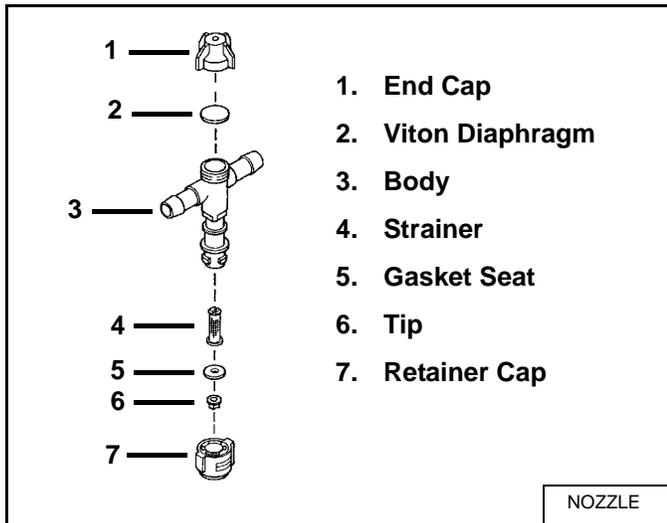
W-2213-1095

Check all bolts for tightness and connections for leaks. Check all hoses for chafing or rubbing on frame.

Check all hose clamps for tightness. Tighten clamps to 50-60 in.-lb. (5.7-6.8 Nm) torque.

Nozzle Inspection

Figure 10-30-1



A leaking nozzle may indicate the following problems:

- Damaged or misaligned viton diaphragm (Item 2) [Figure 10-30-1].
- Bad or damaged spring within end cap (Item 1) [Figure 10-30-1].
- Damaged gasket seat (Item 5) [Figure 10-30-1].
- Damaged retainer cap (Item 7) [Figure 10-30-1].

When the problem is identified, correct or replace the parts as needed. If reduced flow is noted in any nozzle, remove the end cap and clean the nozzle strainer (Item 4) [Figure 10-30-1].



Bobcat[®]

STRAINER

Removal And Installation

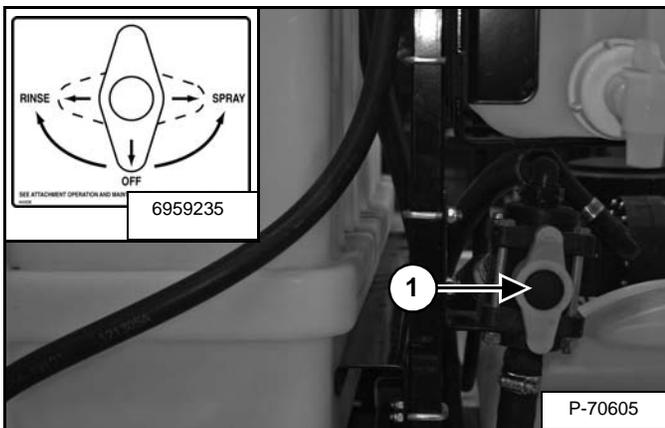
NOTE: The following pictures may not show your strainer exactly as it appears but the procedure is correct.



The tank and system must be emptied of chemical mixture and flushed with clean water before servicing the spray system or spraying components.

W-2213-1095

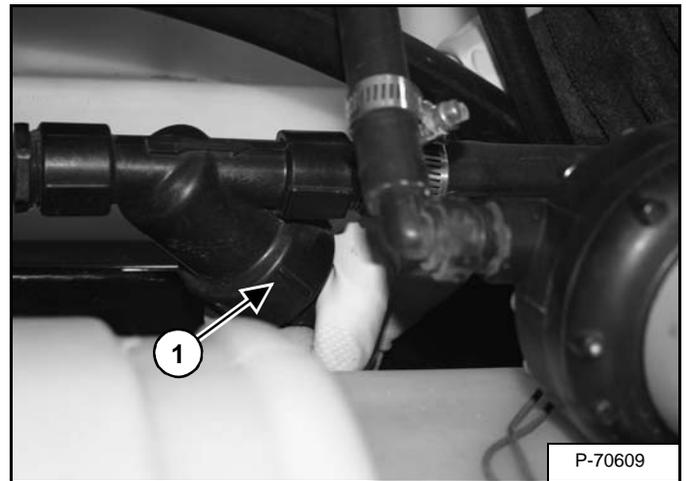
Figure 10-40-1



Before servicing or replacing the strainer, turn valve (Item 1) [Figure 10-40-1] to the close position to keep the water in the tank when the cup is removed.

NOTE: Water contained in the hoses will empty through the strainer housing when the cup is removed.

Figure 10-40-2



Remove the cup (Item 1) [Figure 10-40-2] and screen. Clean thoroughly and replace after everyday use.

NOTE: When reassembling the screen and cup on the housing, slide the screen in position prior to installing the cup. Use the same procedure when the O-ring seal is replaced.



Bobcat®

ELECTRICAL SYSTEM

PUMP HARNESS	20-20-1
Removal And Installation	20-20-1
RELAY	20-40-1
Removal And Installation	20-40-1
WIRE HARNESS (2100 UTILITY VEHICLE)	20-11-1
Installation And Removal	20-11-1
WIRE HARNESS (2200 & 2300 UTILITY VEHICLES)	20-12-1
Installation And Removal	20-12-1
WIRE HARNESS (UTILITY WORK MACHINE)	20-10-1
Installation And Removal	20-10-1
SPRAYER SWITCH (ROCKER)	20-30-1
Removal And Installation	20-30-1
SPRAYER SWITCH (TOGGLE)	20-31-1
Removal And Installation	20-31-1

ELECTRICAL SYSTEM



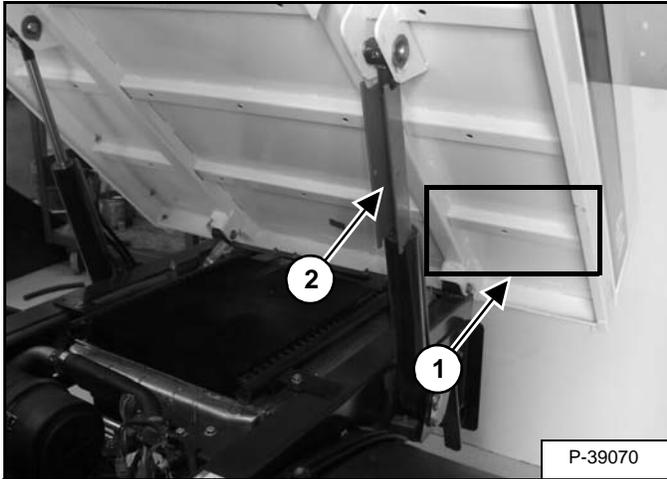
Bobcat®

WIRE HARNESS (UTILITY WORK MACHINE)

Installation And Removal

Sprayer Harness Installation and Routing (S/N A00211001 & Above, S/N A00311001 & Above)

Figure 20-10-1



Remove the cargo box support device from the storage position (Item 1) [Figure 20-10-1].

Install the support device over the cargo box cylinder rod (Item 2) [Figure 20-10-1].

Enter the cab, lower the arm rest, fasten the seat belt, start the engine and lower the cargo box until it is supported by the support device.

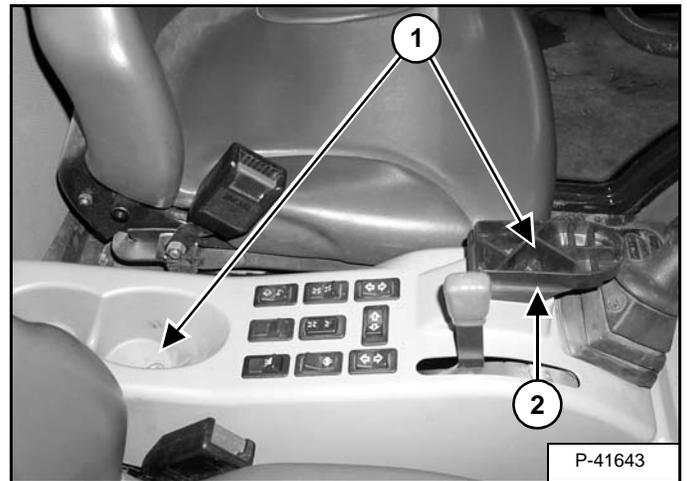
Stop the engine and exit the cab.

Figure 20-10-2



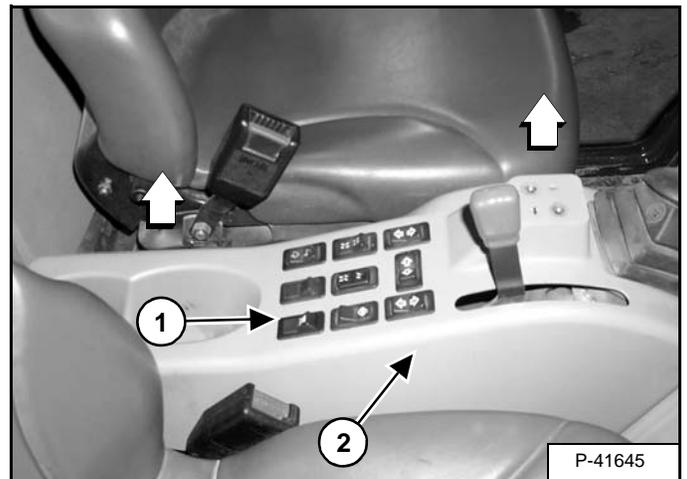
Remove cover (Item 1) and rubber insert (Item 2) [Figure 20-10-2].

Figure 20-10-3



Remove the screws (Item 1) and remove arm rest (Item 2) [Figure 20-10-3].

Figure 20-10-4



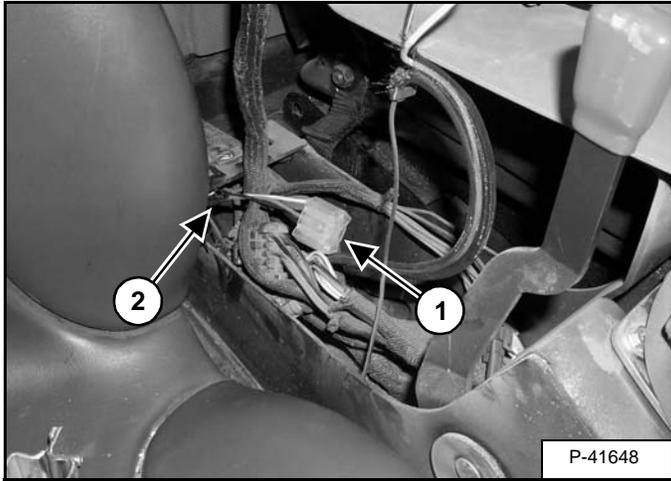
Remove switch plug (Item 1), then lift the center console (Item 2) [Figure 20-10-4] up.

WIRE HARNESS (UTILITY WORK MACHINE) (CONT'D)

Installation And Removal (Cont'd)

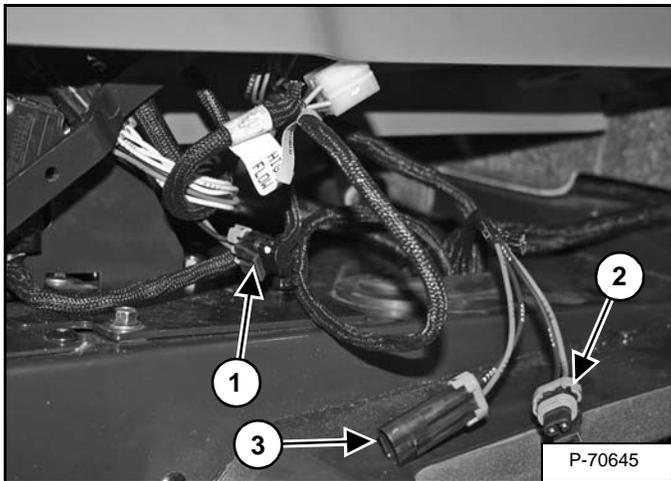
Sprayer Harness Installation and Routing (S/N A00211001 & Above, S/N A00311001 & Above) (Cont'd)

Figure 20-10-5



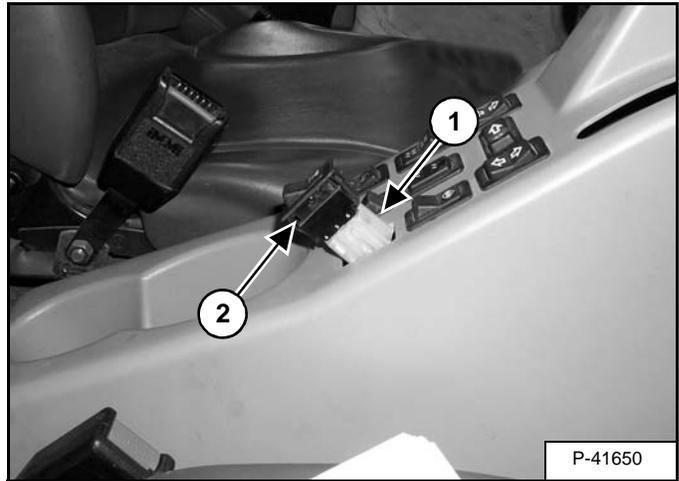
Install the switch harness (Item 1) under the rear mounting bracket (Item 2) [Figure 20-10-5] for the center console.

Figure 20-10-6



Remove cap from connector (Item 1) and install cap on connector (Item 2). Connect (Items 1 & 3) [Figure 20-10-6].

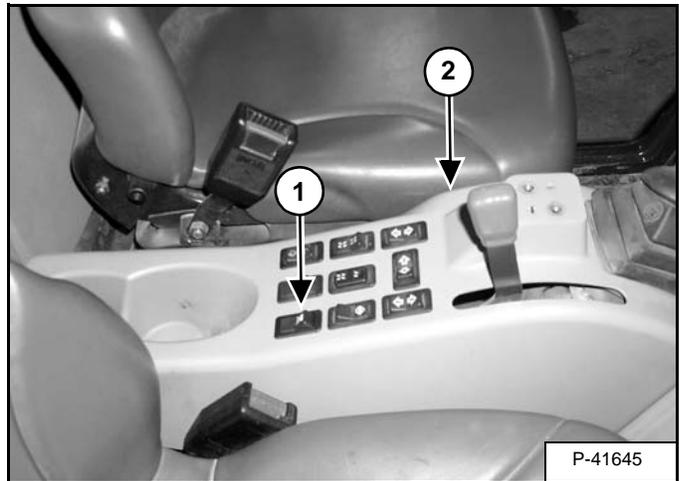
Figure 20-10-7



Install the connector (Item 1) [Figure 20-10-7] through the switch hole in the center console.

Connect the switch (Item 2) to the harness connector (Item 1) [Figure 20-10-7].

Figure 20-10-8



Press the switch (Item 1) [Figure 20-10-8] into the center console.

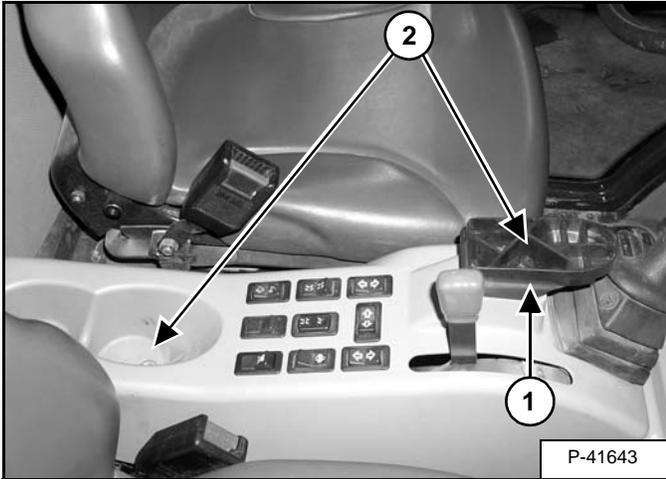
Install the center console (Item 2) [Figure 20-10-8].

WIRE HARNESS (UTILITY WORK MACHINE) (CONT'D)

Installation And Removal (Cont'd)

Sprayer Harness Installation and Routing (S/N A00211001 & Above, S/N A00311001 & Above) (Cont'd)

Figure 20-10-9



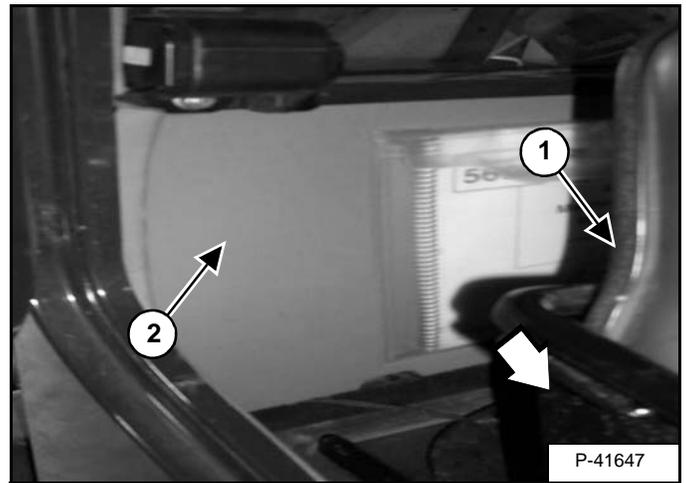
Install the arm rest (Item 1) and screws (Item 2) [Figure 20-10-9].

Figure 20-10-10



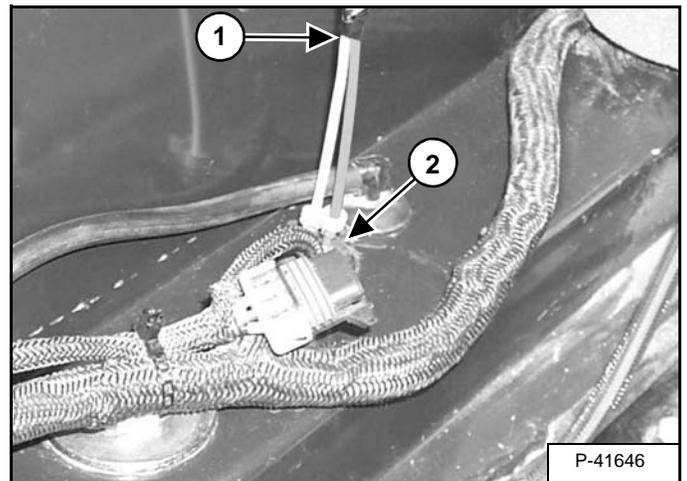
Install cover (Item 1) and rubber insert (Item 2) [Figure 20-10-10].

Figure 20-10-11



Move passenger seat (Item 1) forward, and remove the rear cab liner (Item 2) [Figure 20-10-11].

Figure 20-10-12



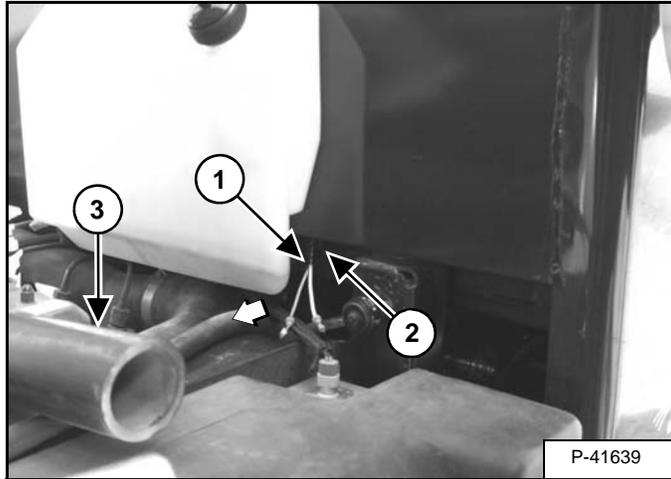
Route the switch harness (Item 1) through the grommet (Item 2) [Figure 20-10-12] (located towards the back of the cab, behind the passenger seat) and out the bottom of the cab.

**WIRE HARNESS (UTILITY WORK MACHINE)
(CONT'D)**

Installation And Removal (Cont'd)

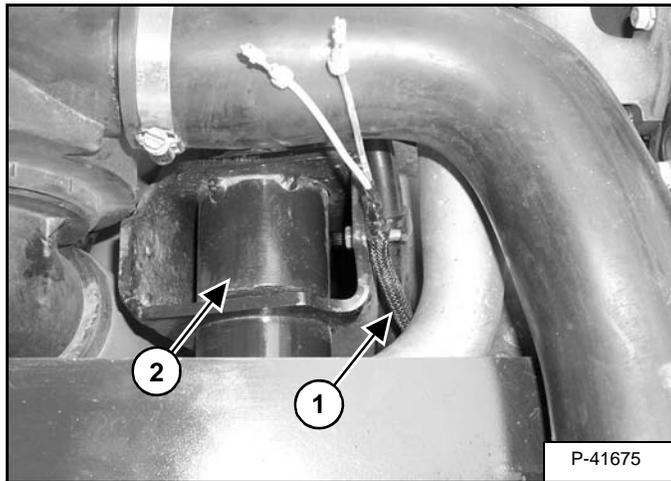
Sprayer Harness Installation and Routing (S/N A00211001 & Above, S/N A00311001 & Above) (Cont'd)

Figure 20-10-13



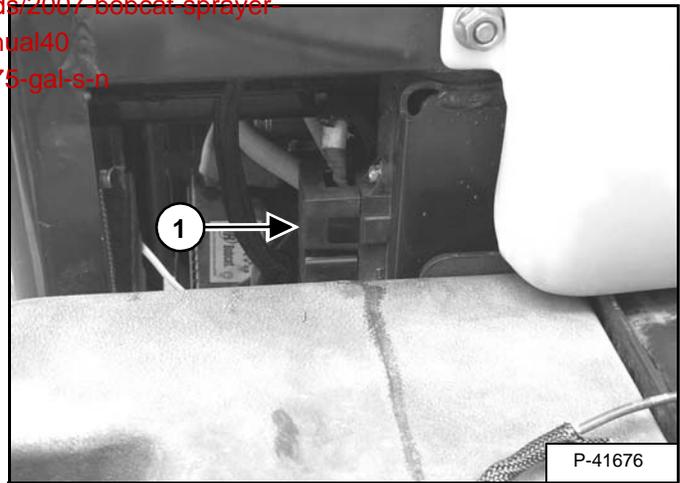
Pull the switch harness (Item 1) through the grommet and out the bottom of the cab (Item 2), then route the switch harness along the inside of utility work machine frame and under the air filter inlet hose (Item 3) [Figure 20-10-13].

Figure 20-10-14



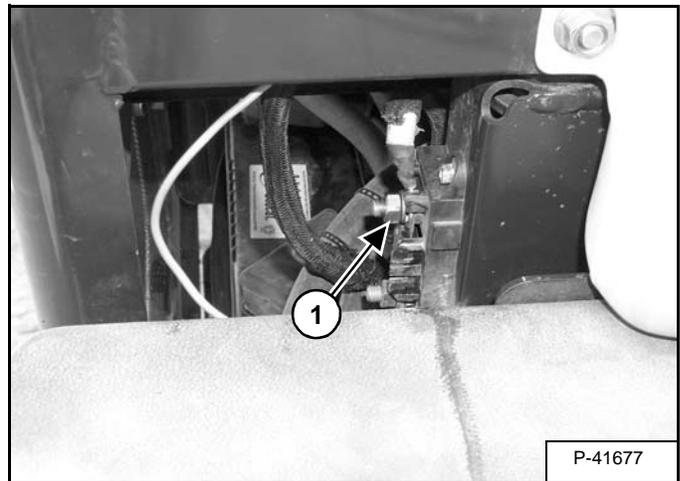
Route the switch harness (Item 1) under the air intake and up in front of the frame cross member (Item 2) [Figure 20-10-14].

Figure 20-15



Remove cover (Item 1) [Figure 20-15].

Figure 20-10-16



Remove nut (Item 1) [Figure 20-10-16].