OPERATOR'S MANUAL

48" SNOW BLADE

Model Number
45-0636-669

Husqvarna
547 53 77-01

IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY

FORM NO. 3-415 (03/03/25)

SAFETY RULES

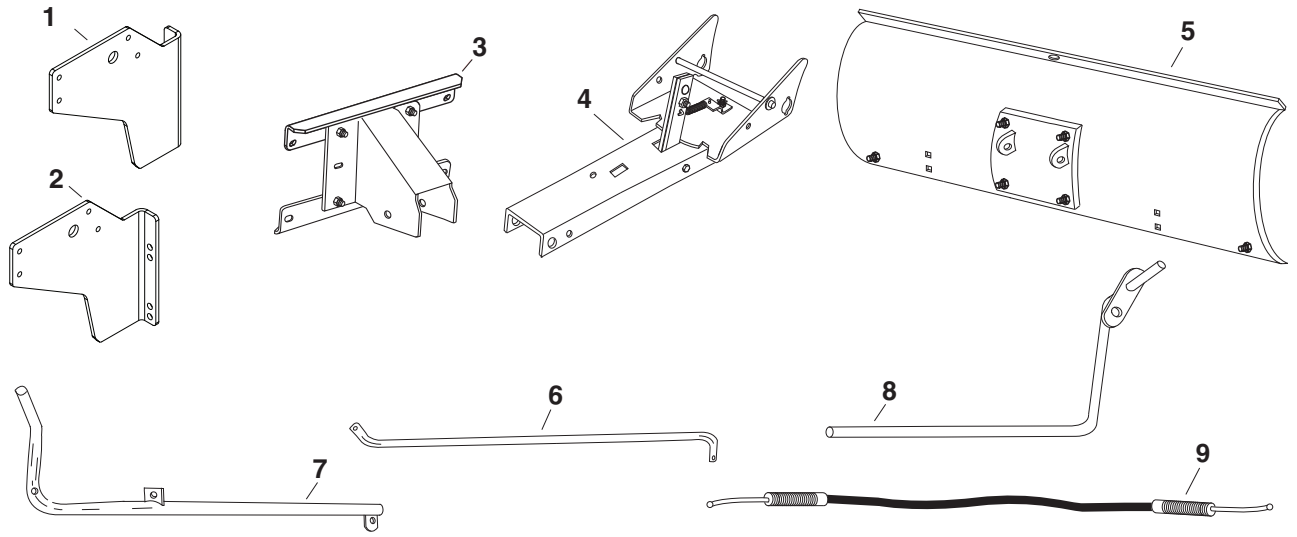
Remember, any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times when using power equipment.

LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS — ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.

CAUTION: VEHICLE BRAKING AND STABILITY MAY BE AFFECTED WITH THE ADDITION OF AN ACCESSORY OR AN ATTACHMENT. BE AWARE OF CHANGING CONDITIONS ON SLOPES.

1. Read the tractor and snow blade owner's manuals and know how to operate your tractor before using tractor with snow blade attachment.
2. Never operate tractor and snow blade without wearing proper clothing suited to weather conditions and operation of controls.
3. Never allow children to operate tractor and snow blade, and do not allow adults to operate without proper instructions.
4. Always begin with transmission in first (low) gear and gradually increase speed as required.

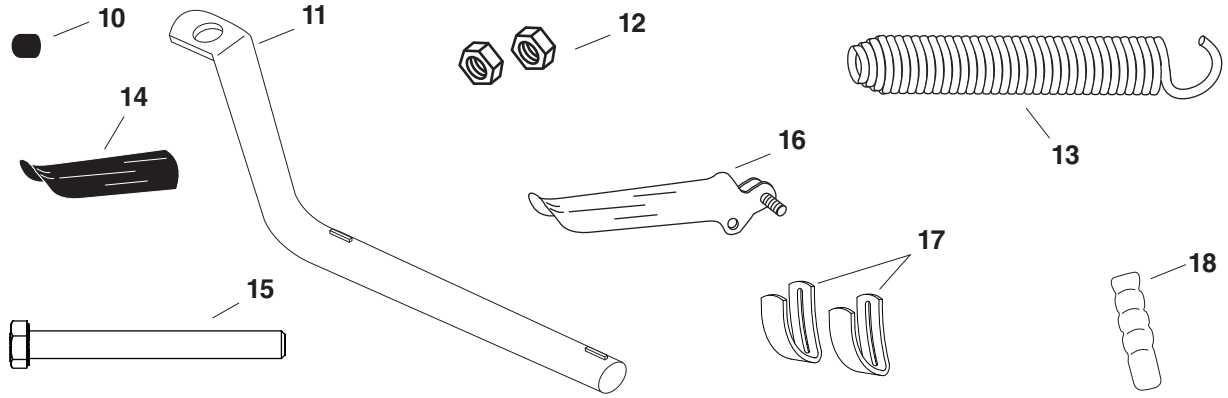
CARTON CONTENTS (Loose Parts in Carton)



REF	QTY	DESCRIPTION
1	1	Hanger Bracket, L.H.
2	1	Hanger Bracket, R.H.
3	1	Hanger Bracket Assembly
4	1	Channel Sub Assembly
5	1	Blade Assembly

REF	QTY	DESCRIPTION
6	1	Blade Pivot Rod
7	1	Lift Handle Tube
8	1	Lift Handle Rod
9	1	Cable

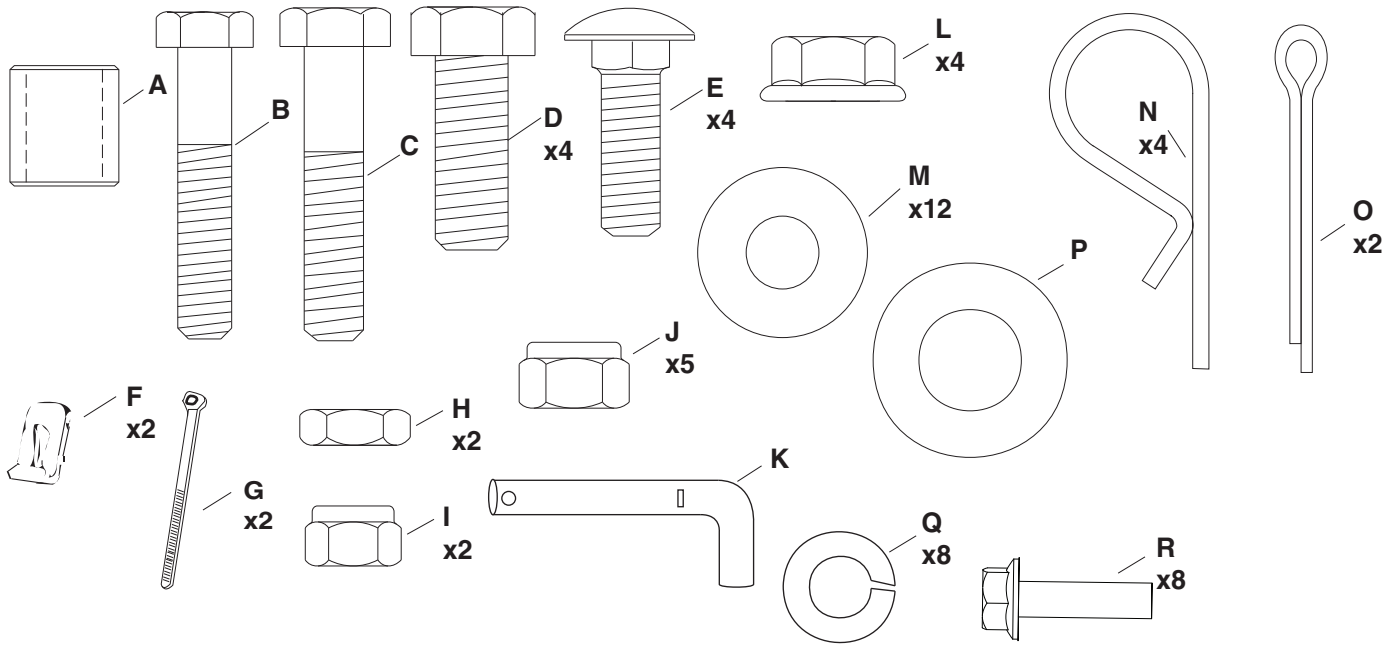
PARTS IN PACKAGES



REF	QTY	DESCRIPTION
10	1	Cap
11	1	Blade Pivot Shaft
12	2	3/8" Hex Nut
13	1	Trip Spring
14	1	Plastic Grip

REF	QTY	DESCRIPTION
15	1	Hex Bolt, 3/8 x 3-1/2"
16	1	Release Grip Assembly
17	2	Skid Shoe
18	1	Grip

HARDWARE



REF.	QTY.	DESCRIPTION
A	1	Spacer, 5/8" Long
B	1	Hex Bolt, 1/4-20 x 1-1/2"
C	1	Hex Bolt, 5/16-18 x 1-1/2"
D	4	Hex Bolt, 3/8-16 x 1"
E	4	Bolt, Carriage 5/16-18 x 1"
F	2	Clevis Lanyard Fitting
G	2	Plastic Tie
H	2	Hex Jam Nut, 5/16" Fine Thd.
I	2	1/4" Nylock Hex Nut
J	5	5/16" Nylock Hex Nut

REF.	QTY.	DESCRIPTION
K	1	Channel Pivot Pin
L	4	3/8" Flanged Lock Nut
M	12	5/16" Washer
N	4	Hairpin Cotter
O	2	Cotter Pin 1/8" x 1-1/4"
P	1	1/2" Washer
Q	8	5/16" Lock Washer
R	8	Bolt, Hex M8 x 30mm

ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED FOR ASSEMBLY

(1) Pliers
(1) Hammer
(1) Adjustable Wrench (or socket set)
(1) 9/16" Open End or Box End Wrench
(1) 7/16" Open End or Box End Wrench
(1) 1/2" Open End or Box End Wrench

Remove all parts and hardware packages from the carton. Lay out parts and hardware and identify using the illustrations on pages 2 and 3.

NOTE: Right hand (RH) and left hand (LH) are determined from the operator's position while seated on the tractor.

CAUTION: Do not begin assembling until the tractor engine, muffler and exhaust deflector have been allowed to cool off.

STEP 1: Remove any bolts found in the locations circled in figure 1. Save bolts for reinstalling when snow blade hanger brackets are removed from the tractor.

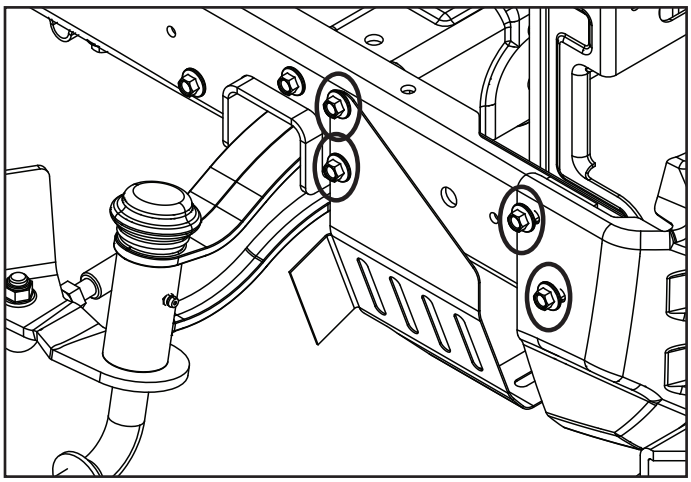


FIGURE 1

STEP 2: Attach the R.H. hanger bracket (2) to the front four holes in the right side of the tractor frame using an M8 hex bolt (R), 5/16" lock washer (Q), and 5/16" washer (M) as shown in figure 2. Repeat step for the L.H. hanger bracket.

NOTE: large hole in center of bracket is for cable management.

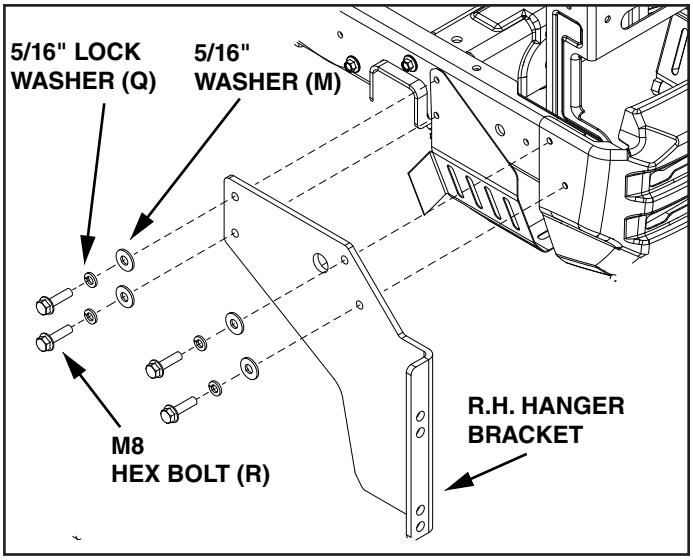


FIGURE 2

STEP 3: Attach the hanger bracket assembly (3) to the hanger brackets, using the upper holes. Use four 3/8" x 1" hex bolts (D) and 3/8" flanged lock nuts (L). See figure 3.

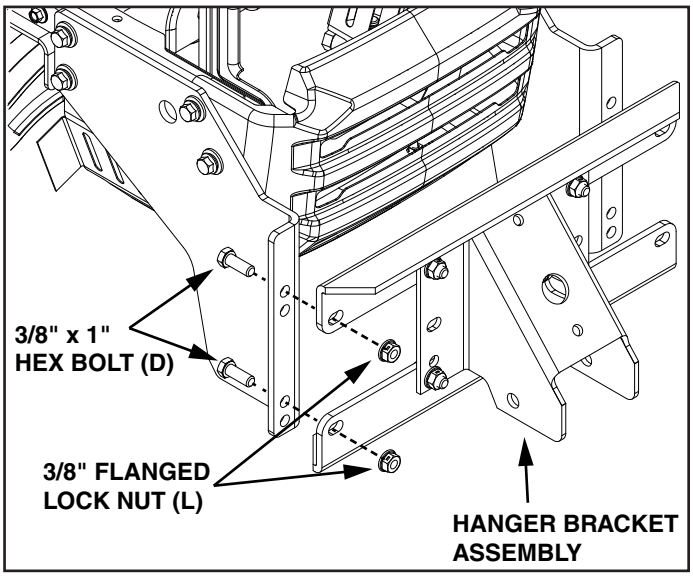


FIGURE 3

STEP 4: Center the channel sub assembly (4) between the tabs on the back of the blade assembly (5).

- Slide the blade pivot shaft (11) through the holes in the tabs and the holes in the channel sub assembly (4).
- Secure the blade pivot shaft (11) on both ends using two cotter pins (O) by bending the ends.

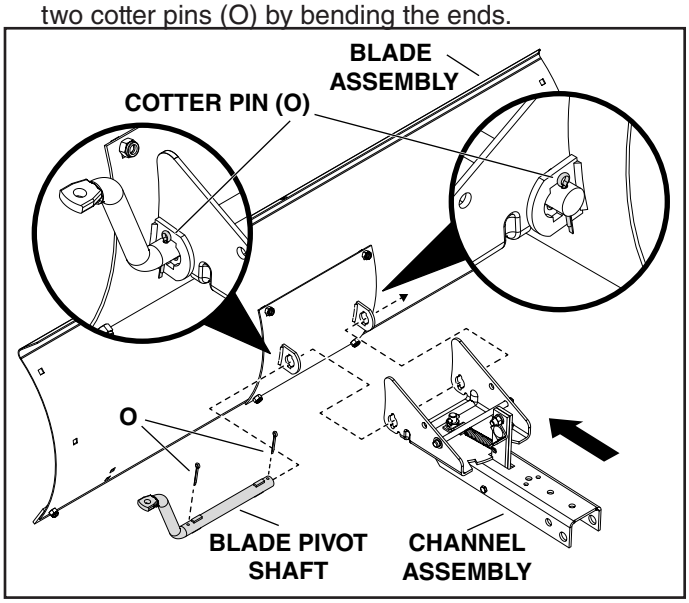


FIGURE 4

STEP 5: Insert a hex bolt (15) all the way through the trip spring (13) and place a hex nut (12) one inch onto the hex bolt as shown.

- Place the hook on the end of the trip spring (13) around the shaft of the channel sub assembly (4) with the hook opening facing the blade assembly (5).
- Insert the bolt end of the spring trip (13) into the hole at the center of the blade assembly (5) and tighten the hex nut (12); then secure with another hex nut (12) and tighten.
- Place the vinyl cap (10) on the end of the hex bolt (15).

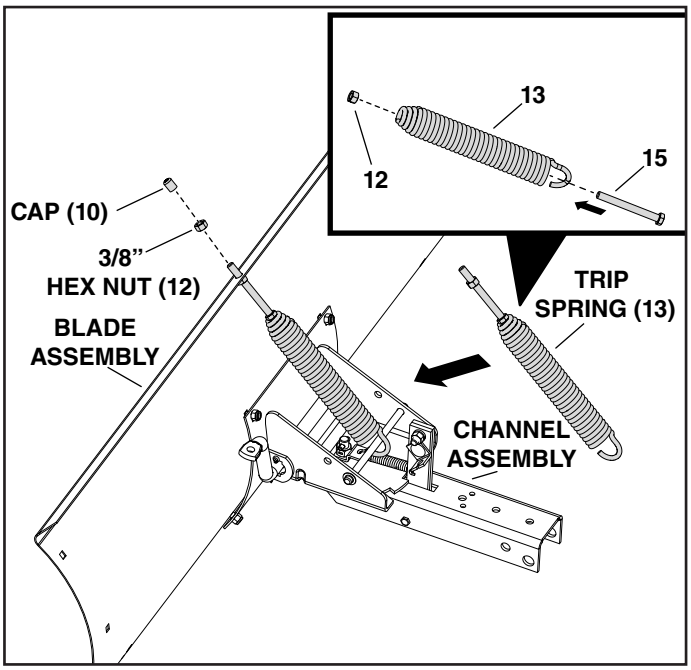


FIGURE 5

STEP 6: Install one 5/16" jam nut (H) approximately 3/4" onto the threaded end of the control cable that has no rubber cap or preassembled nuts. Then install another 5/16" jam nut (H) approximately 1/4".

- Insert the ball end of the control cable (9) into the bottom of the clevis lanyard fitting (F) and place the cable into the groove as shown.
- Place a spacer (A) onto the hole on the channel sub assembly (4) as shown; then place the clevis lanyard fitting (F) on top of the spacer (A) and secure both parts to the channel sub assembly (4) with a hex bolt (B) and hex nut (I). Tighten hardware.
- Insert the control cable (9) into the tab (9a). Tighten both jam nuts (H).

NOTE: Some adjustment of jam nuts may be required after blade assembly is completed

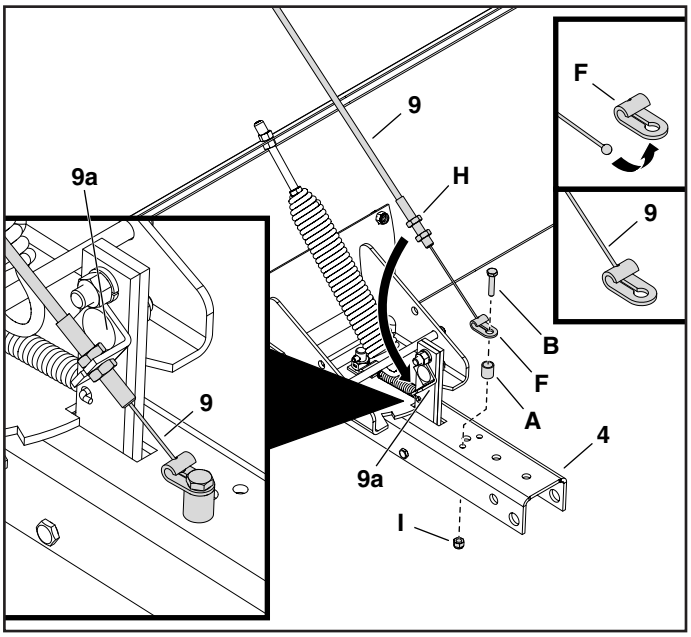


FIGURE 6

STEP 7: Assemble the 1/2" washer (P) onto the channel pivot pin (K). See figure 7.

- Attach the channel assembly to the tractor by placing the end of the channel assembly up inside the pivot support bracket on the tractor. Align hole (a) in the channel assembly with the hole in the pivot support bracket. Insert the channel pivot pin through the aligned holes from the left side, and secure it with a hairpin cotter (N).

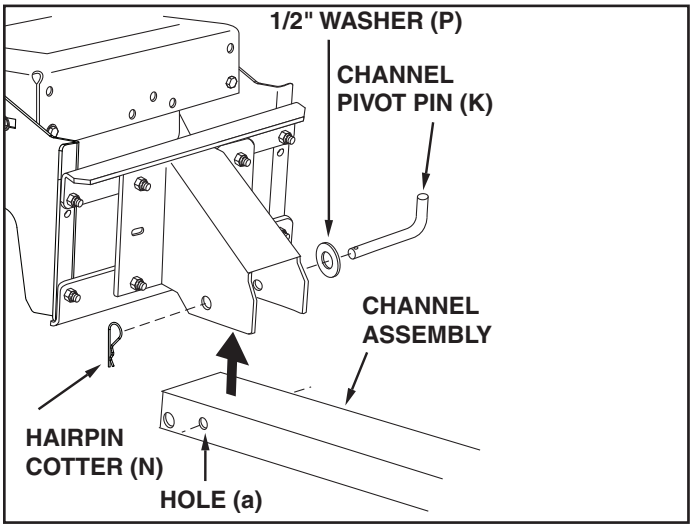


FIGURE 7

STEP 8: From the left side, insert the welded end of the lift handle rod (8) through the hole in the end of the channel assembly (Figure 8). Next, insert the lift link pin through the hole in the bracket that is welded to the lift handle rod. (The lift link is pre-assembled to the pivot support assembly). Secure the bracket with a hairpin cotter (N) inserted up through the lift link pin.

- Apply a light coat of oil to the straight upper portion of the lift handle rod. Slide the lift handle tube (7) onto the rod.

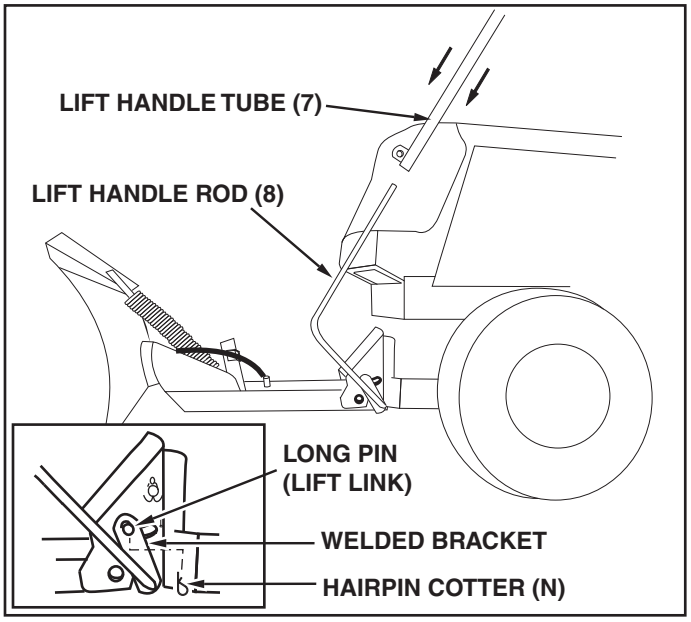


FIGURE 8

STEP 9: Remove the rubber cap and the first jam nut from the threaded end of the control cable and slide them onto the control cable wire. Adjust the second jam nut on the threads so that it is approximately 3/4" from end. Assemble threaded end of cable through the cable mount bracket and secure it with the first jam nut. Reinstall the rubber cap onto the threaded cable end. See figure 9.

- Install grip (18) onto the end of the lift handle tube.

NOTE: Some adjustment of jam nuts may be required after blade assembly is completed.

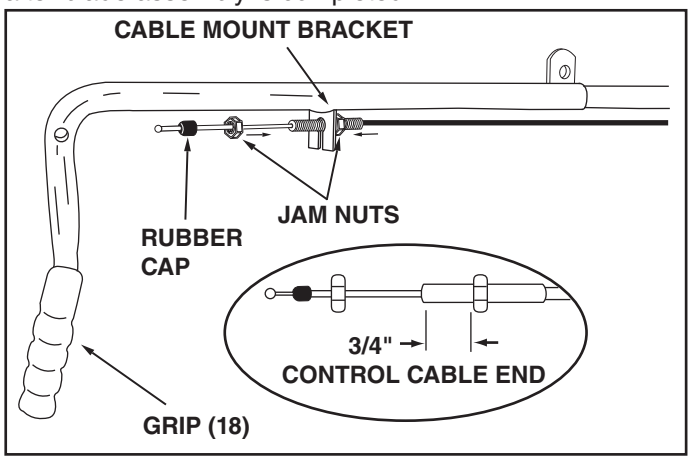


FIGURE 9

STEP 10: Assemble plastic grip (14) onto lock release grip assembly. See figure 10.

- Attach lock release grip assembly to lift handle tube using one 5/16" x 1-1/2" hex bolt (C) and one 5/16" nylock nut (J). Do not overtighten the nut. The grip assembly must pivot freely. See figure 10.
- Assemble the ball end of the cable to a cable end fitting (F) as you did to the other end of the cable. Secure the cable end fitting (F) to the weld bolt on the lock release grip (16) with a 1/4" nylock nut (I). Do not overtighten the lock nut. The cable fitting must pivot freely. See figure 10.

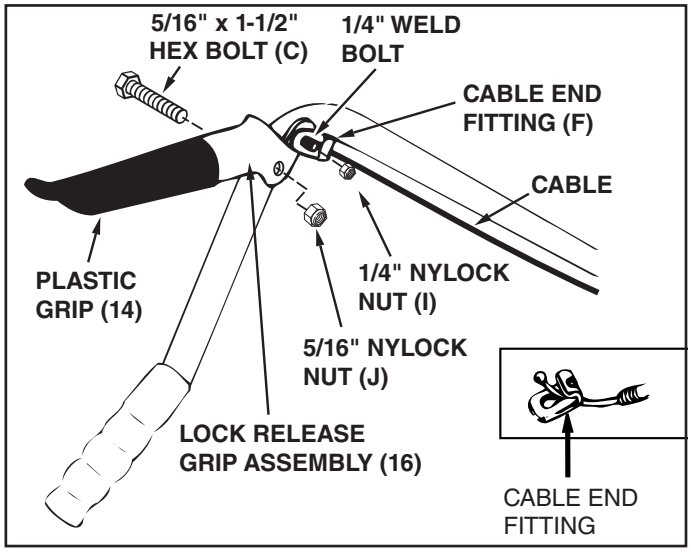


FIGURE 10

STEP 11: Place the end of the blade pivot rod (6) down through the blade pivot shaft (11). Attach the other end of the blade pivot rod (6) to the lift handle tube (7). Secure both ends with a hairpin cotter (N). See figure 11.

- Use two plastic ties (G) to hold the cable securely to the outside of the handle tube, away from the tractor to avoid direct heat from the tractor muffler. See figure 11.
- Squeeze the grip assembly to check if blade unlocks and pivots. To adjust locking mechanism, see Adjustments section on page 9.

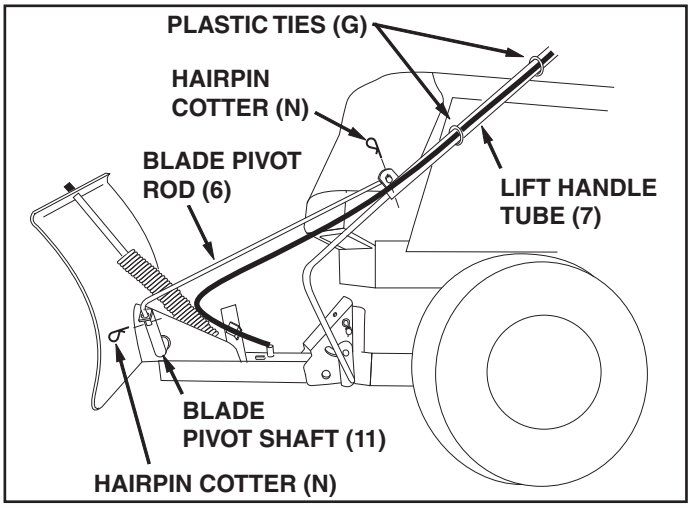


FIGURE 11

STEP 12: Pivot the blade to the center position and lower it to the ground. Place shims under the blade to create the amount of ground clearance you want. The more uneven the surface the more clearance you will need.

- Attach the skid shoes (17) to the blade using two 5/16" x 5/16" x 1" carriage bolts (E), 5/16" washers (M) and 5/16" nylock nuts (J). Tighten the bolts with the skid shoes resting on the ground. See figure 12.

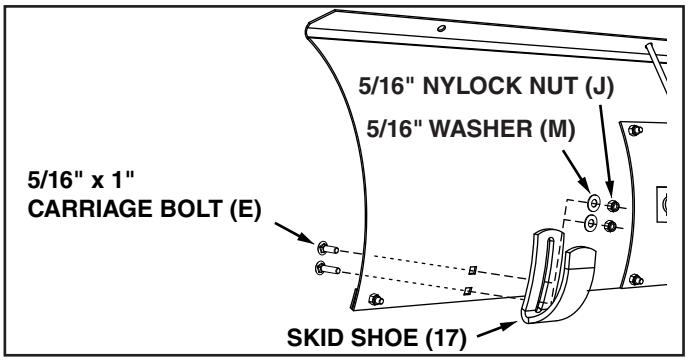


FIGURE 12

SECTION 2: OPERATING THE BLADE

1. To raise the blade, use the handle grip located on the end of the handle tube. Pull back while pushing down on the handle grip. To lower blade, pull back while lifting up on handle grip. See figure 13.

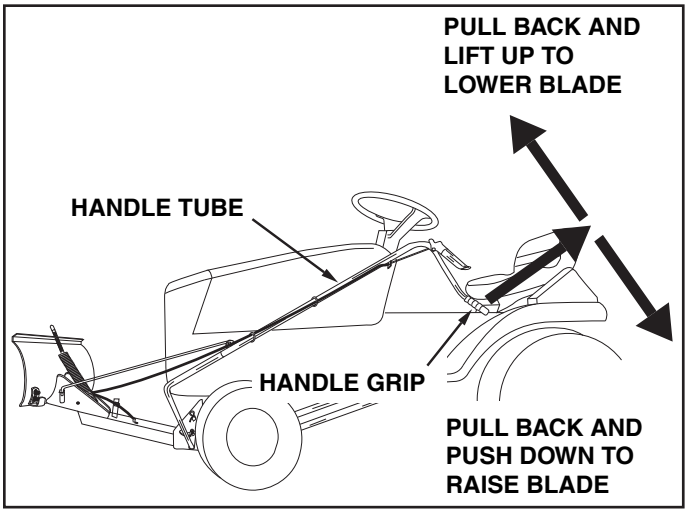


FIGURE 13

2. To unlock the blade, raise the blade to transport position. Push the lock release grip down against the handle tube to pivot the blade. Keep the grip depressed and push forward or pull back on the handle tube, sliding it along the lift rod. Release the grip to lock the blade when it is in either the right hand, the left hand or the straight ahead position. See figure 14.

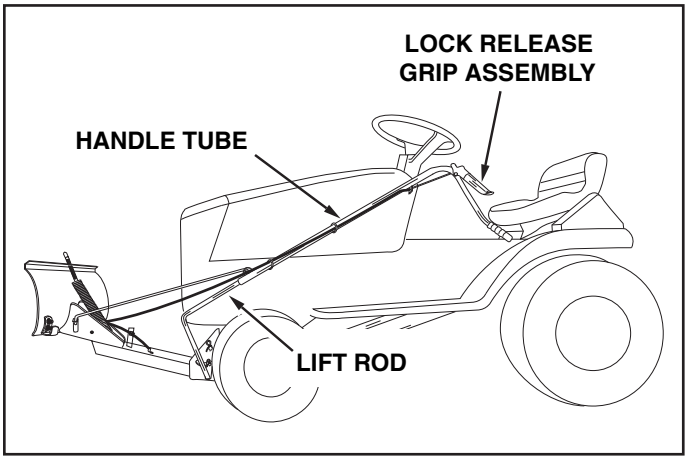


FIGURE 14

USING THE SNOW BLADE

3. Prepare the lawn tractor engine for cold weather using instructions furnished with the lawn tractor.

4. Always begin with the transmission in first (low) gear and gradually increase speed as required.

5. Do not repeatedly push snow in the same direction. This causes excessive build up with each successive pass.

6. To reduce icing on the blade, allow the lawn tractor and blade to adjust to outdoor temperature before operating.

7. For improved snow removal performance, coat the blade with automotive type paste wax.

CAUTION: Carefully inspect the area to be worked before operating the snow blade. Avoid pipes, roots, curbs or other heavy obstructions.

CAUTION: Know the terrain. Avoid exceptionally steep slopes or drop-offs which may be hidden by the snow. Never run the snow blade into heavy material at high speed.

CAUTION: Always lower the blade to the ground before leaving the tractor.

SECTION 3: MAINTENANCE

1. During the operating season, check all bolts, nuts and hairpin cotters to be sure they are secure.

2. Lubricate all pivot points to help maintain proper operation of blade.

3. Apply a light coating of oil to the upper portion of the lift handle rod if the lift handle tube becomes difficult to slide on the rod.

SECTION 4: ADJUSTMENTS

To Adjust Blade Spring

1. The tension of the blade adjust spring may be altered to permit the blade to tilt forward to bypass solid obstructions. To change the spring tension, adjust the nuts at upper end of the spring bolt. Standing in front of blade, turn the nuts counterclockwise to relieve tension and clockwise to increase tension. Refer to figure 5 on page 5.

To Adjust Blade Shoes

2. The blade shoes at the ends of blade may be raised for close work on smooth surfaces or lowered to raise the blade to work on rough or uneven areas. Make sure both shoes are set evenly and that the nuts are tightened securely. Refer to figure 12 on page 7.

To Adjust the Blade Pivot Lock Mechanism

3. If the blade will not unlock and pivot, the angle lock bars are not disengaging from the slots in the pivot plate. To correct, adjust the 5/16" hex jam nuts to draw the end of the control cable back towards the cable mount bracket. The less the threaded end of the cable extends through the bracket, the more the angle lock bars can retract to disengage from the slots in the pivot plate. See figure 15.

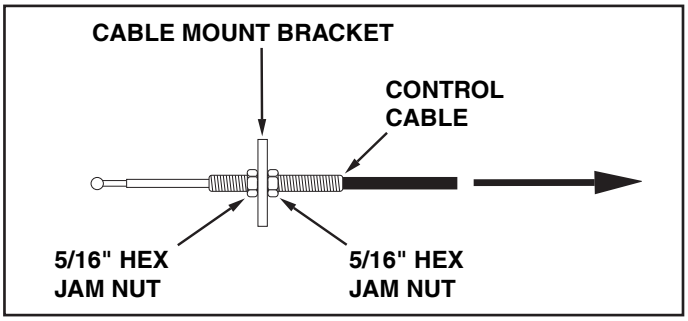


FIGURE 15

SECTION 5: STORING THE BLADE

Recommendations When Storing

1. Keep the snow blade clean when not in use.

2. Touch up bare metal with paint or apply a light coat of grease or rust preventive.

3. Lubricate all pivot points as instructed in the maintenance section.

4. Store in a dry area, protected from weather.

To Remove Blade From Tractor

5. Lower the blade to the ground with the blade in the center (straight ahead) position.

6. Remove the hairpin cotter which fastens the blade pivot rod to the blade pivot shaft. See figure 11 on page 7.

7. Remove the hairpin cotter which fastens the lift handle rod to the lift link pin. See figure 8, page 6.

8. Remove the hairpin cotter from the channel pivot pin and remove the pivot pin from the channel assembly. See figure 7 on page 6.

9. Remove the blade, the channel assembly and the lift handle assembly from the tractor. The brackets assembled to the tractor frame may be left in place.

10. To remove the brackets assembled to the tractor frame (hanger brackets and hanger bracket assembly) refer to figures 2 and 3 on page 4.

11. If the side plates are removed from the tractor frame, be sure to reassemble any bolts that were removed from the frame. Refer figure 1 on page 4.

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