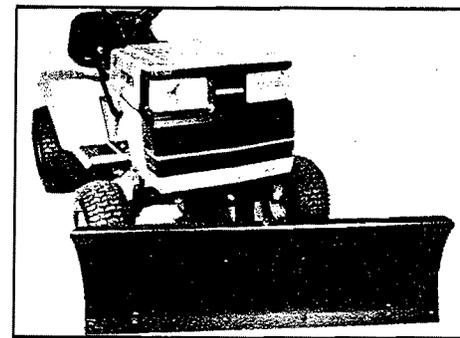


# SEARS

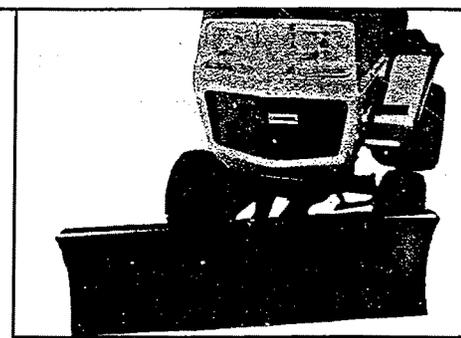
## owners manual

**Model No.  
486.254072**

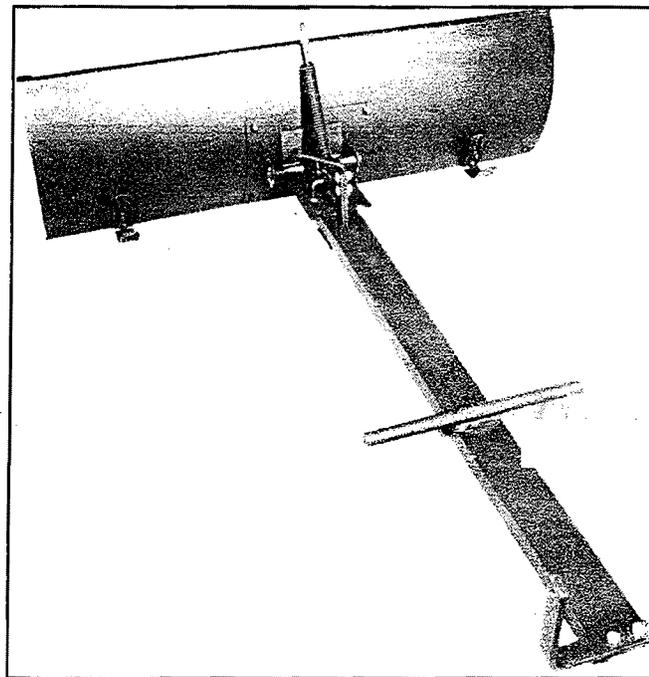
**CAUTION:**  
Read Rules for  
Safe Operation  
and Instructions  
Carefully



1985 MODELS & AFTER



1984 & PRIOR MODELS



## 42" SNOW BLADE

- Assembly
- Operation
- Maintenance
- Repair Parts

Sears, Roebuck and Co., Chicago, Ill. 60684 U.S.A.

# RULES FOR SAFE OPERATIONS

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.

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

## 42" SNOW BLADE CARTON CONTENTS (Also see page 4)

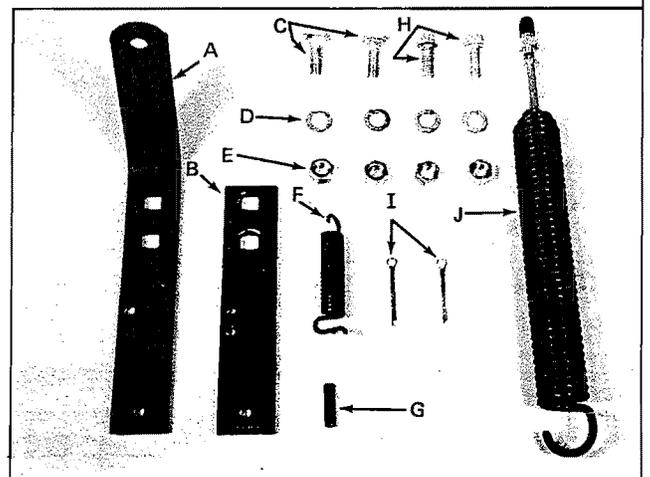
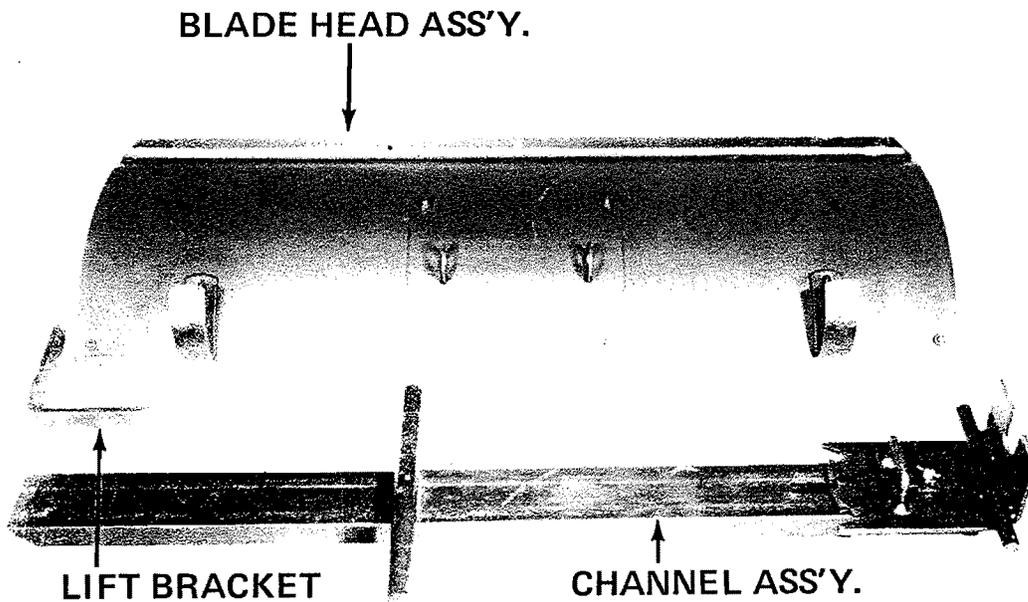


FIGURE 1

Key	Qty.	Description	Key	Qty.	Description
A	1	Angle Lock Bar (long)	F	1	Angle Lock Spring
B	1	Angle Lock Bar (short)	G	1	Roll Pin, 1/4" x 1.0"
C	2	Carriage Bolt, 3/8"-16 x 1.0"	H	2	Hex Head Bolt, 3/8"-16 x 1.0" (H.T.)
D	4	Lock washer, 3/8"	I	2	Cotter Pin, 1/8" x 1.0"
E	4	Hex Nut, 3/8"-16	J	1	Blade Adjust Spring Ass'y.

# ASSEMBLY INSTRUCTIONS

## TOOLS REQUIRED FOR ASSEMBLY

- (1) Pliers
- (1) Small Hammer
- (2) 1/2" open or boxed end wrench
- (2) 9/16" open or boxed end wrench

Before attempting to assemble the blade, layout the blade head assembly, channel assembly and all other parts, as shown in figure 1.

1. Assemble long angle lock bar (A), and short angle lock bar (B) together using two 3/8" x 1.0" carriage bolts (C), 3/8" lock washers (D) and 3/8" hex nuts (E), Do Not Tighten. See figures 1 and 2.

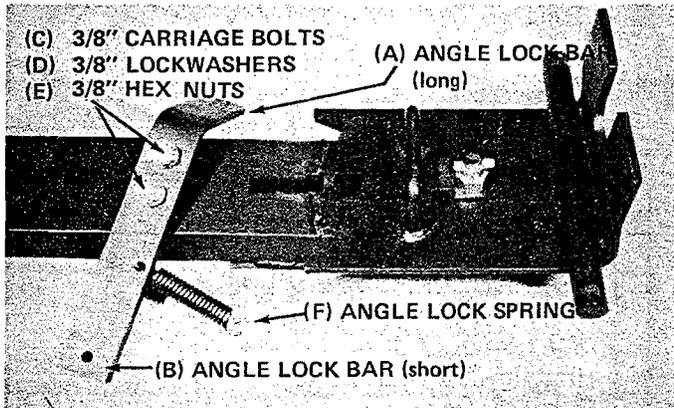


FIGURE 2

2. Assemble angle lock spring (F) through angle lock bars positioning end hook as shown. See Figures 1 and 2.
3. Assemble hook of angle lock spring into hole of bracket under pivot bolt. Pull lock bars up to extend spring just enough to allow assembly of angle lock bars down through slot in pivot bracket and channel. See figures 2 and 3.

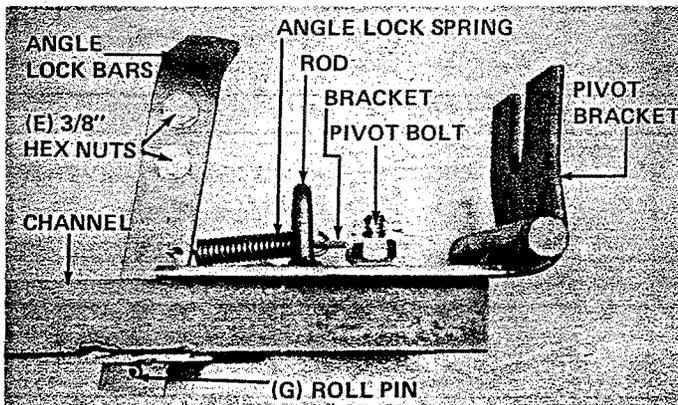


FIGURE 3

4. Assemble 1/4" x 1.0" roll pin (G) through slot in channel and hole in end of lock bars centering roll pin below channel. See figures 1 and 3.

5. Tighten the 3/8" hex nuts (E) holding the angle lock bars together. See figure 3.
6. Assemble channel assembly to blade head assembly by sliding one end of bar into bracket and then sliding back and secure with two 1/8" x 1.0" cotter pins (I). See figures 1 and 4.

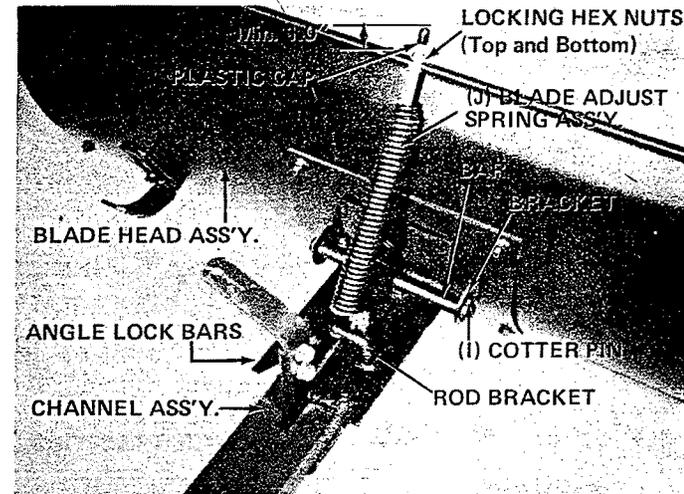


FIGURE 4

7. Assemble blade adjust spring (J) hook end in the middle of rod bracket located between pivot bolt and angle lock bars. Remove plastic cap and top hex nut and adjust bottom nut to approximately one inch or more down from end of adjusting bolt threads. Assemble adjusting bolt through hole in top of blade head and lock in position with top hex nut. Replace plastic cap over end of adjusting bolt threads. See figures 1 and 4.

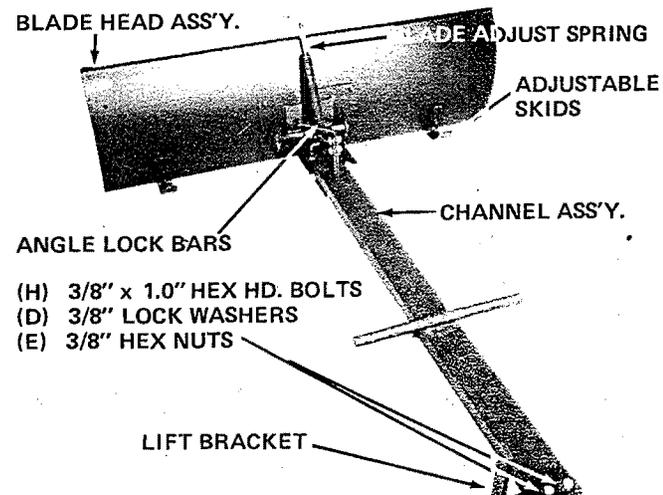


FIGURE 5

8. Assemble lift bracket to end of channel assembly using two 3/8" x 1.0" hex head bolts (H), 3/8" lock washers (D) and 3/8" hex nuts (E). See figures 1 and 5.
9. Check all fasteners for tightness.

(continued next page)

# 42" SNOW BLADE CARTON CONTENTS (Also see page 2)

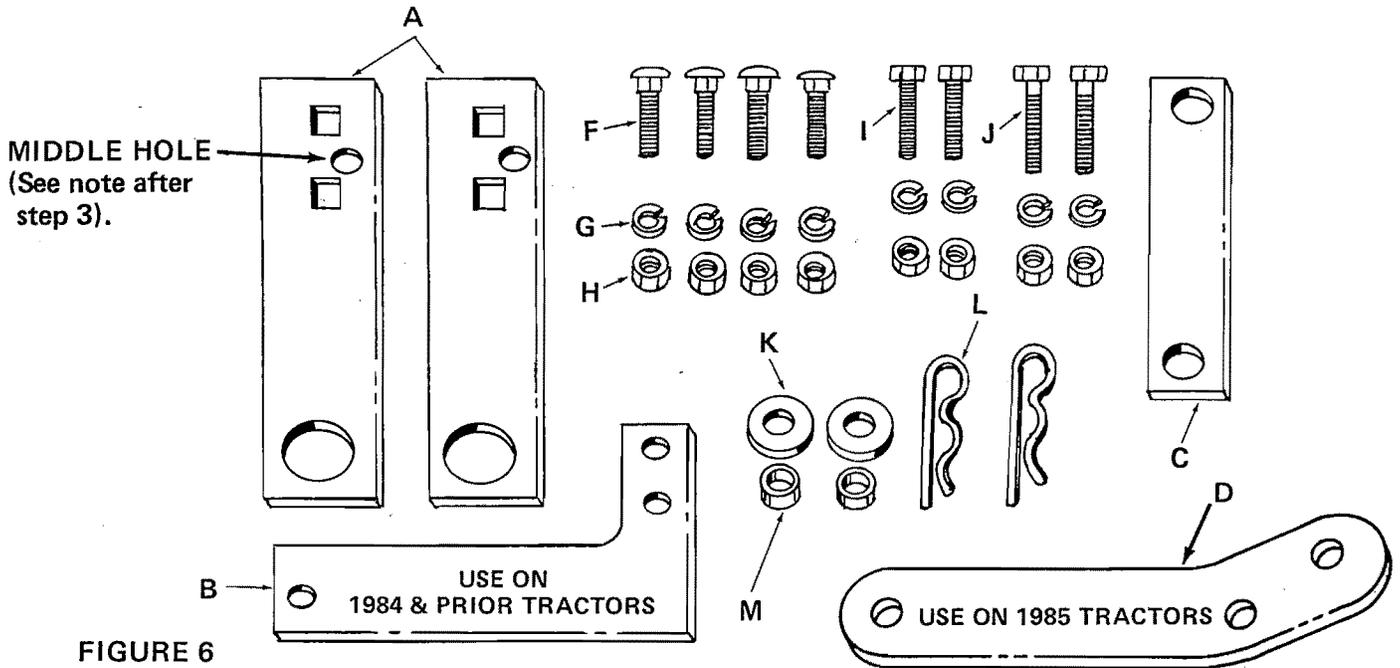


FIGURE 6

Key	Qty.	Description	Key	Qty.	Description
A	2	Mounting Bracket	H	8	Hex Nut, 3/8-16
B	1	Lift Arm (For 1984 & Prior Tractors)	I	2	Hex Head Bolt, 3/8-16 x 1.0"
C	1	Lift Link	J	2	Hex Head Bolt, 3/8-16 x 1.25"
D	1	Lift Arm (1985 Tractors)	K	2	Flat Washer, 3/8"
F	4	Carriage Bolt, 3/8"-16 x 1.0"	L	2	Hair Pin Cotter, 5/32"
G	8	Lock Washer, 3/8"	M	2	Pivot Bushing

## LAWN TRACTOR IDENTIFICATION

**IMPORTANT:** Before proceeding to read Owner's Manual and attempting to assemble blade to Lawn Tractor, match you tractor with figure 7A or 7B.

**FOLLOW ONLY** the assembly instructions given for the selected tractor, either 1984 and prior models or 1985 models. Before operating Lawn Tractor and Snow Blade, read the operation instructions and adjustments section on page 8.

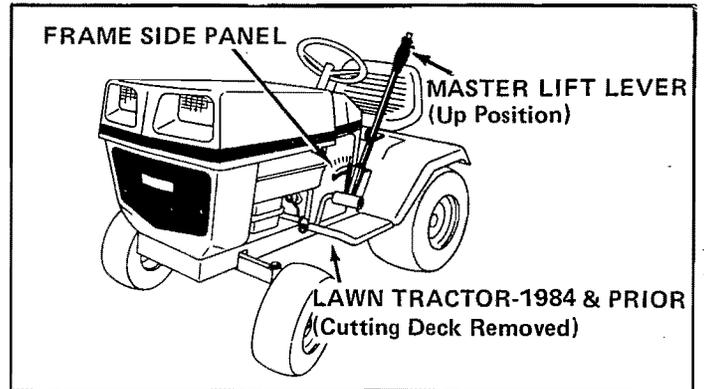


FIGURE 7A

## ASSEMBLY OF SNOW BLADE TO LAWN TRACTOR

**NOTE:** Mounting bracket kit (71-25408 or 71-25409) is required to complete blade assembly to tractor. See page 10.

1. Arrange carton contents as shown in figure 6.
2. Remove cutting deck and belt from lawn tractor. **1985 tractors require removal of mower deck link arms, R.H. & L.H. (See figure 7C) and belt guide (See figure 8B).** Mark all loose parts and save for re-assembly. Refer to Lawn Tractor Owners Manual for cutting deck removal. See figure 7A or B.

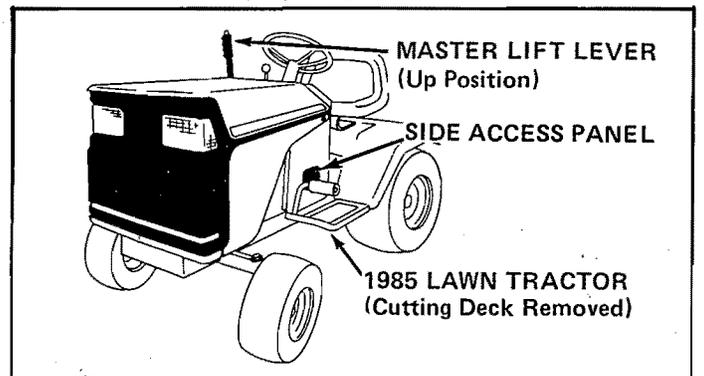


FIGURE 7B

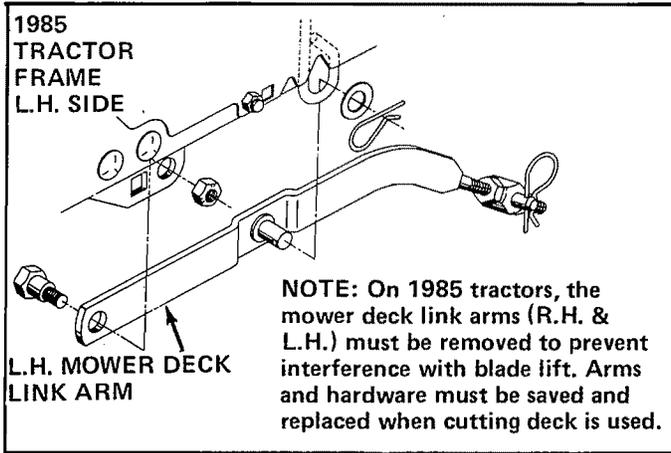


FIGURE 7C

3. Assemble mounting brackets (A) to each side of lawn tractor frame using four (\*) 3/8" x 1.0 carriage bolts (F), 3/8" lock washers (G) and 3/8" hex nuts (H). See figure 8A or B.

\*NOTE: 1984 and prior tractors may require only three 3/8" x 1.0" carriage bolts. A hex bolt can be removed from right hand side of tractor frame and reassembled through middle hole in mounting bracket (A). See figure 6. Some older style tractors use four 3/8" x 1.00" carriage bolts (F) to complete assembly.

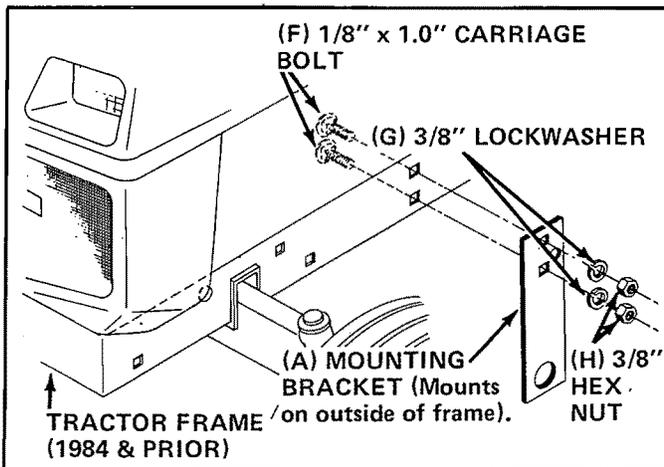


FIGURE 8A

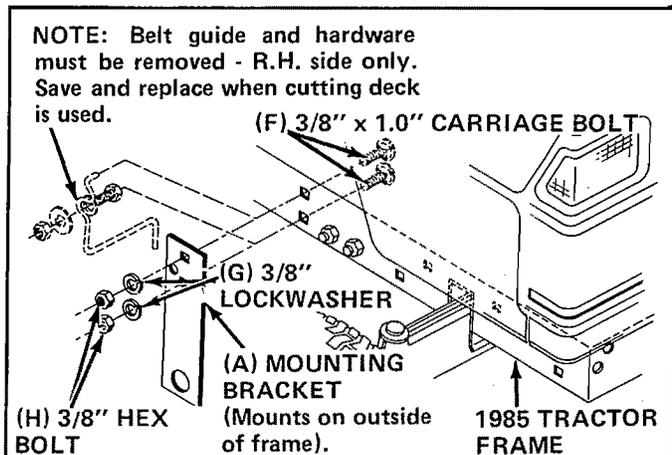


FIGURE 8B

4. 1984 & PRIOR TRACTORS:

Assemble lift arm (B) to lift link (C) using one 3/8" x 1.25" hex head bolt (J), 3/8" flat washer (K), pivot bushing (M), 3/8" lock washer (G) and 3/8" hex nut (H) as shown in figure 9A. See figures 6 and 9A.

1985 & AFTER TRACTORS:

Same as above except use lift arm (D). See figures 6 and 9B.

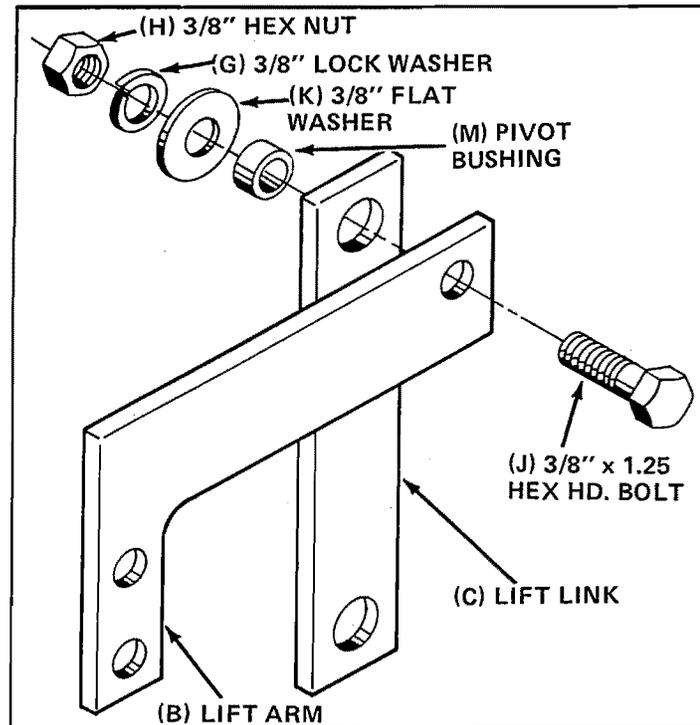


FIGURE 9A

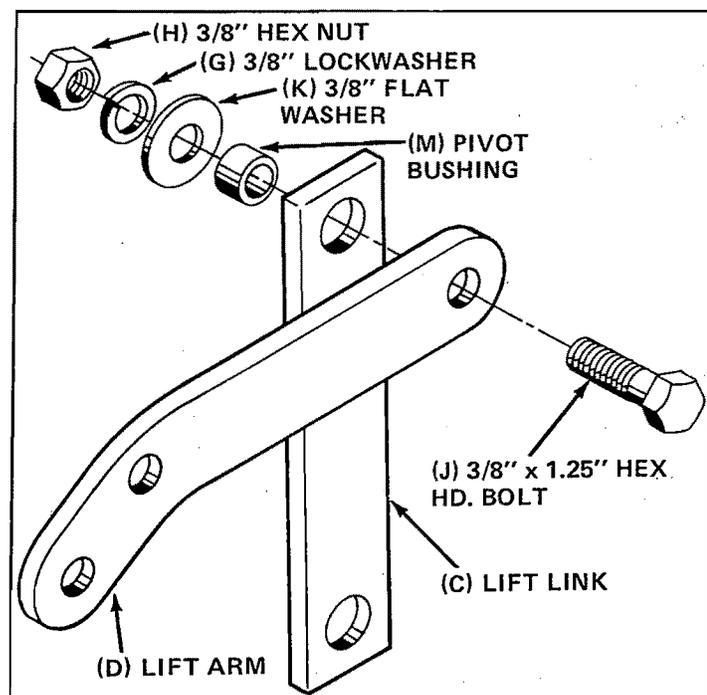


FIGURE 9B

**5. 1984 & PRIOR TRACTORS:**

Remove master lift lever by loosening two set screws and then remove frame side panel. See figures 7A and 10A.

**NOTE:** Position master lift lever in forward (down) position before removing.

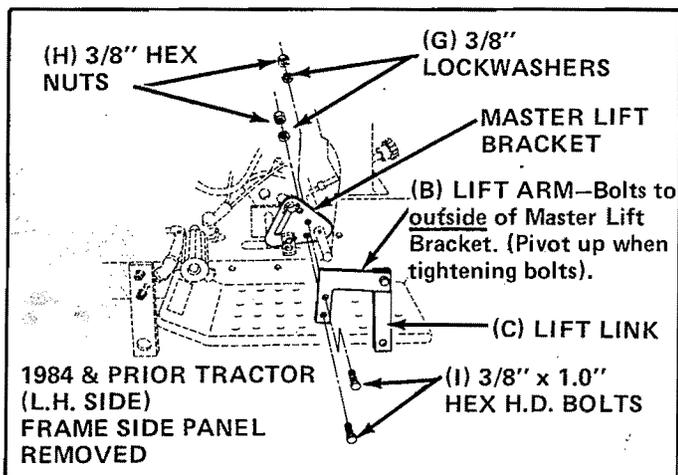
**1985 TRACTORS:**

Remove Side Access Panel. See figures 7B and 10B.

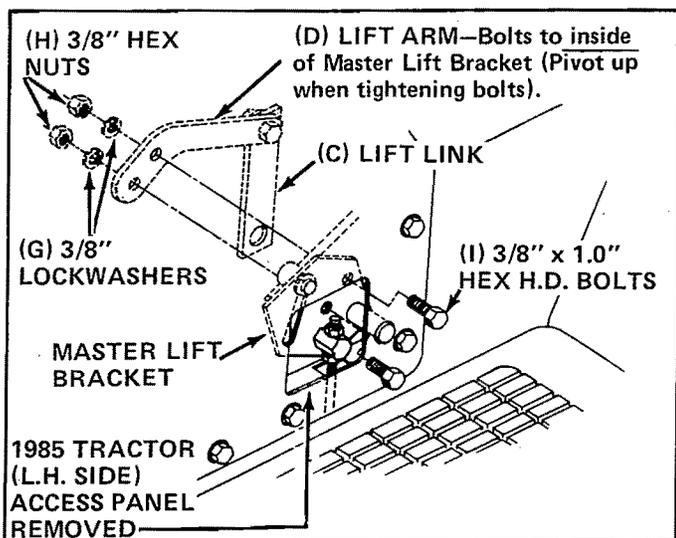
**NOTE:** Position master lift lever in forward (down) position.

6. Assemble lift arm and lift link, sub-assembled in step 4, to master lift bracket using two 3/8" x 1.0" hex head bolts (I), 3/8" lock washers (G) and 3/8" hex nuts (H) as shown in figure 10A or B. See figures 6 and 10A or B.

**NOTE:** Pivot lift arm assembly upward and hold when tightening. See figure 10A or B. The lift arm (B) or (D) does not require removal to re-install cutting deck. The lift link (C) should be removed when re-installing cutting deck.



**FIGURE 10A**



**FIGURE 10B**

**NOTE:** When assembling lift arm and lift link sub-assembly, position the fuel line and battery drain tube (when equipped) to prevent pinching with movement of lift system.

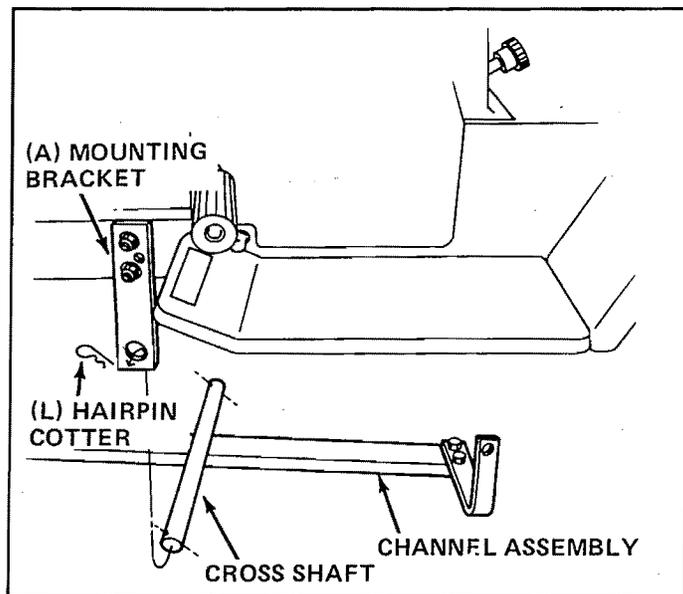
**7. 1984 & PRIOR TRACTORS:**

Re-assemble frame side panel and master lift lever removed in step 5 and return master lift lever to the up (back) position as shown in figure 7A.

**1985 TRACTORS:**

Replace Side Access Panel. Return master lift lever to the up (back) position.

8. Position snow blade assembly in front of lawn tractor and roll lawn tractor forward over the channel until the cross shaft is centered below mounting brackets (A). See figures 5 and 11.



**FIGURE 11**

9. Assemble channel cross shaft to mounting brackets by tilting channel and sliding one end of cross shaft through hole and pulling opposite end back. Secure with two hair pin cotters (L). See figures 6 and 11.

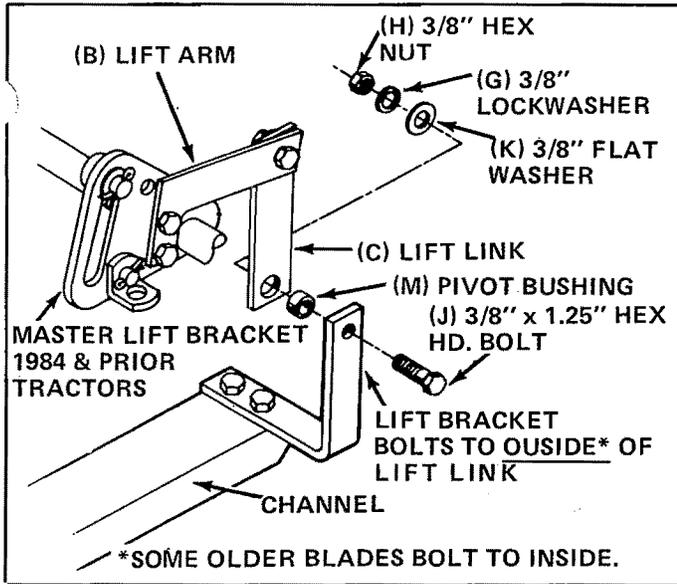


FIGURE 12A

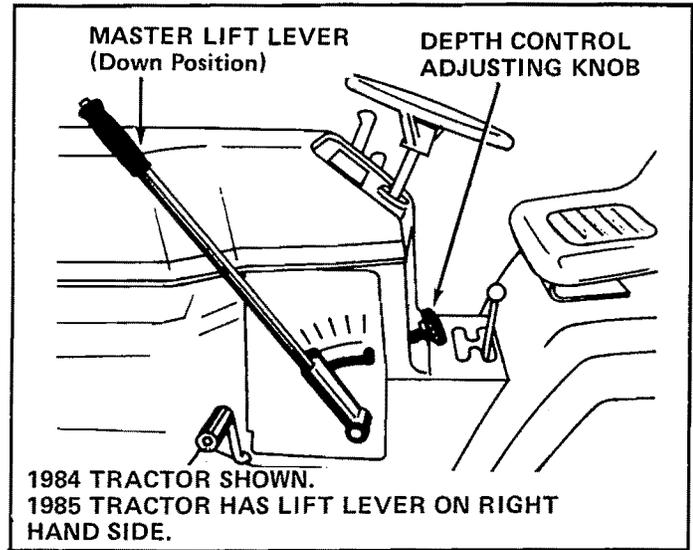


FIGURE 13

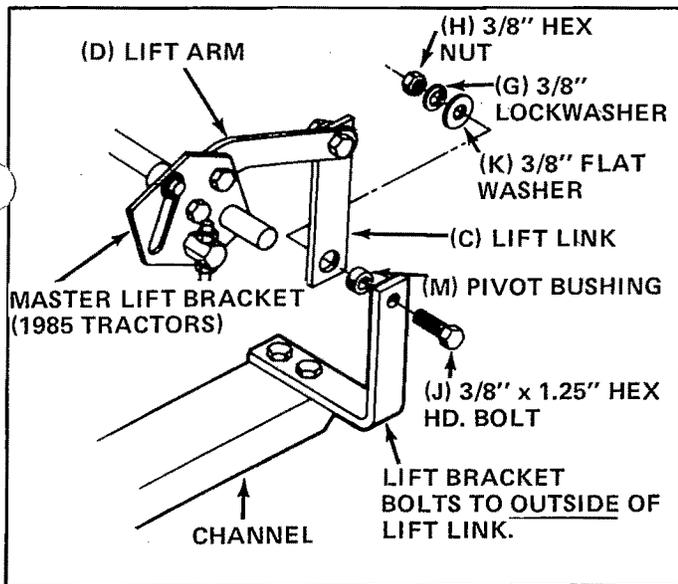


FIGURE 12B

10. Connect lift link (C) to lift bracket at end of channel using one 3/8" x 1.25" hex head bolt (J) 3/8" flat washer (K), pivot bushing (M), 3/8" lock washer (G) and 3/8" hex nut (H) as shown in figure 12A or B. See figures 6 and 12A or B.

**NOTE:** Position master lift lever in down position or block blade in raised position to line up holes in lift link and lift bracket.

11. Adjust master lift lever movement with depth control adjusting knob for maximum movement and to prevent lever from locking in the down lock notch. See figure 13.

(continued on next page)

# OPERATION INSTRUCTIONS and ADJUSTMENTS

The snow blade attachment is designed to move new loose snow in depths up to 6" – 8". **DO NOT OPERATE** lawn tractor with snow blade before reading complete Owners Manual.



**CAUTION**

Hidden objects can cause sudden stops or change in direction.

1. Prepare the lawn tractor engine for cold weather use, following instructions furnished with lawn tractor.
2. Always begin with transmission in first (low) gear and engine at slow speed and gradually increase speed as required.
3. To lift blade and lock for transport pull master lift lever back and lock in notch. See figure 14.

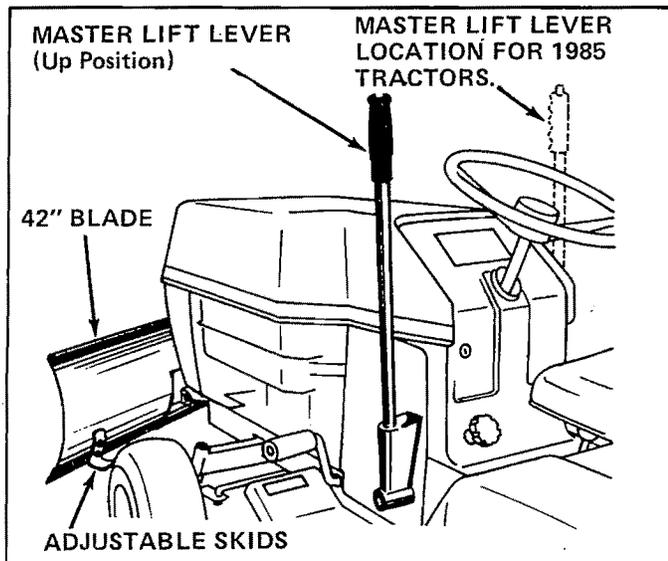


FIGURE 14

4. Blade angle can be adjusted at blade pivot in front of tractor to the right, center or left by pulling back on angle lock bars and pivoting the blade head. See figure 15.
5. Blade adjust spring tension is adjustable to permit blade to tilt forward to by pass solid obstructions.
6. Skid shoes may be adjusted by loosening two nuts and re-positioning to desired height. See figure 14.
7. **DO NOT** always push snow in the same direction causing excessive build up with each successive pass.
8. If blade is stored in heated area, allow lawn tractor and blade to adjust to outdoor temperature before operating to reduce snow build up and icing on the metal surfaces.

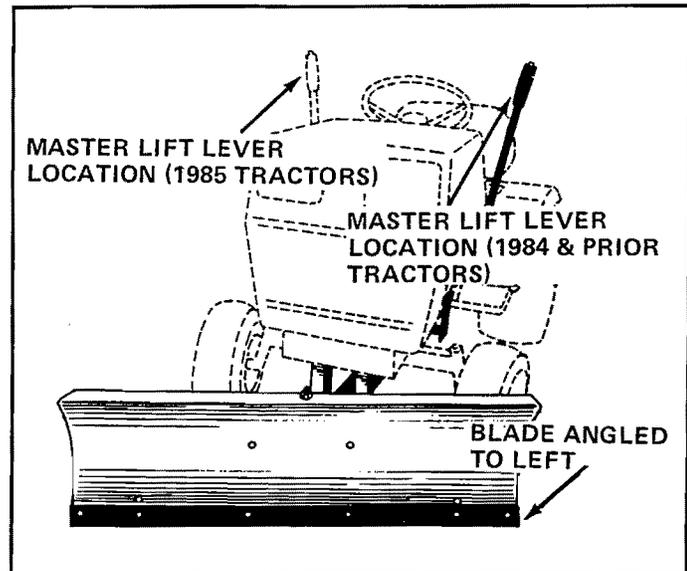


FIGURE 15

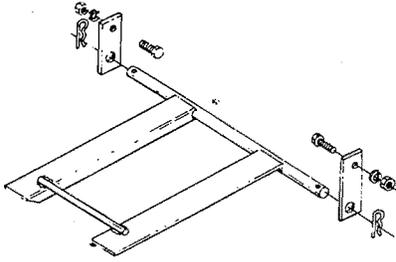
## MAINTENANCE

1. Check bolts and nuts for looseness occasionally and re-tighten if necessary.
2. Keep pivot points oiled to prevent locking from rust.
3. Keep front side of blade head clean and waxed for most efficient operation.
4. When removing blade for storage make sure to secure all loose parts and hardware to prevent loss.

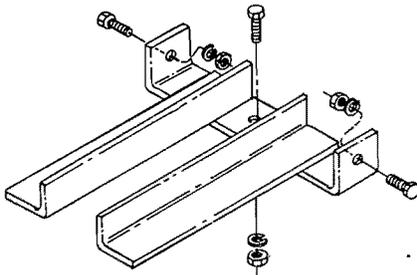
# NOTES

# 42" Snow Blade Model No. 486.254072

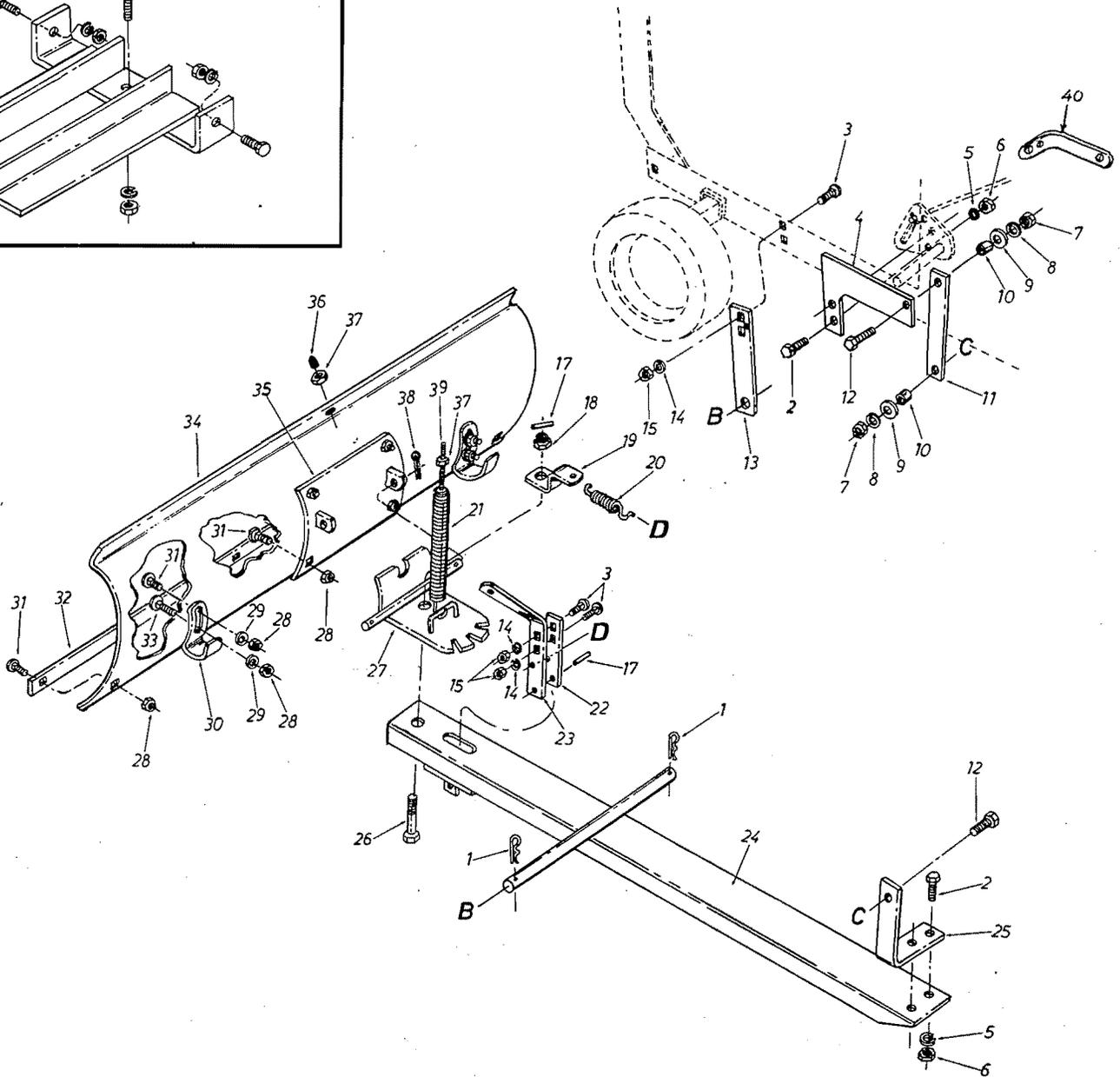
GUIDE MOUNTING BRACKET  
STOCK No. 71-25408



GUIDE MOUNTING BRACKET  
STOCK No. 71-25409



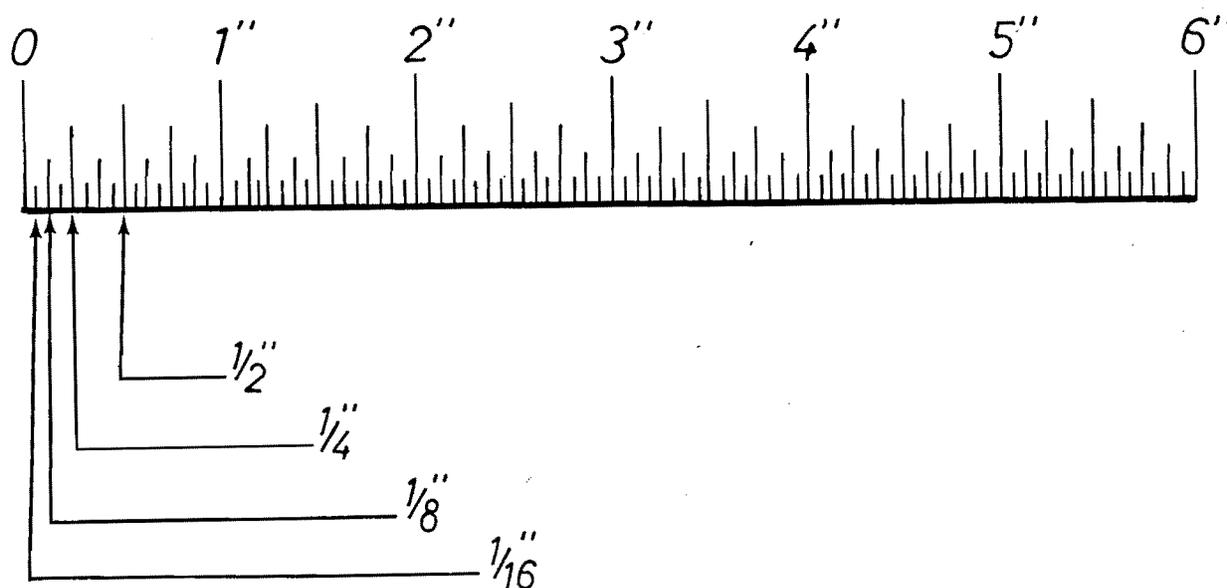
NOTE: Guide mounting bracket 71-25408 or 71-25409 is required to complete blade assembly.



REPAIR PARTS FOR 42" SNOW BLADE, MODEL 486.254072

Ref. No.	PART No.	Qty	DESCRIPTION	Ref. No.	PART No.	Qty	DESCRIPTION
1	43343	2	Hair Pin Cotter, 5/32"	22	23151	1	Bar, Angle Lock (short)
2	43001	4	Bolt, Hex 3/8-16 x 1.0" lg. (H.T.)	23	23129	1	Bar, Angle Lock (long)
3	43350	6	Bolt, Carriage 3/8-16 x 1.0" lg.	24	62285	1	Channel Assembly
4	23217	1	Arm, Lift (1984 & Prior Tractors)	25	23414	1	Bracket, Lift
5	43003	4	Lock Washer, Spring 3/8"	26	23131	1	Bolt, Hex (Special) Pivot (H.T.)
6	43015	4	Nut, Hex 3/8-16 Thread	27	62143	1	Pivot Plate Assembly
7	43015	2	Nut, Hex 3/8-16 Thread	28	43064	10	Nut, Hex Lock 5/16-18 Thd.
8	43003	2	Lock Washer, Spring 3/8"	29	43081	4	Washer, Flat 5/16"
9	43070	2	Washer, Flat 3/8"	30	23070	2	Shoe, Skid
10	23137	2	Pivot Bushing	31	43080	8	Bolt, Carriage 5/16-18 x .75" lg.
11	23216	1	Link, Lift	32	23117	1	Wear Strip - .42"
12	43087	2	Bolt, Hex 3/8-16 x 1.25" lg.	33	43079	2	Bolt, Carriage 5/16-18 x 1.0" lg.
13	23318	2	Plate, Mount	34	23118	1	Blade Head, 42"
14	43003	6	Lock Washer, Spring 3/8"	35	62142	1	Plate, Reinforcement Assembly
15	43015	6	Nut, Hex 3/8-16 Thread	36	43331	1	Cap, Plastic
17	43349	2	Roll Pin, 1/4" x 1.0" lg.	37	43083	2	Nut, Hex, 5/16-18 Thread
18	43262	1	Nut, Hex Lock 1/2-13 Thread	38	43010	2	Cotter Pin, 1/8" x 1.0" lg.
19	23130	1	Bracket, Spring Mount	39	43264	1	Bolt, Hex 5-16-18 x 3.0" Full Thd.
20	43348	1	Spring, Angle Lock	40	23433	1	Arm, Lift (1985 Tractors)
21	43263	1	Spring, Blade Adjust	---	43771	---	Owners Manual

**FULL SIZE SCALE IN INCHES FOR REFERENCE:**



# **SEARS**

## **owners manual**

### **Model No. 486.254072**

### **How to Order Repair Parts**

Always mention the Model Number when requesting service or repair parts for your Snow Blade.

All parts listed herein may be ordered from any Sears Service Center and most Sears stores.

**WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:**

- THE PART NUMBER
- THE PART DESCRIPTION
- THE MODEL NUMBER
- THE NAME OF MERCHANDISE

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".

**Sears, Roebuck and Co., Chicago, Ill. 60684 U.S.A.**