

Power Equipment

Code No.: CC-147

Date: November 23, 1987

Subject: Garden Tractor Snow Throwers (190-450-100)

There were several improvements in the 1988 snow throwers that can cause difficulty in assembly if the current adapting kits (190-448-100 and 190-449-100) are used.

This bulletin will help you identify the year of manufacture and how to update any older adapting kits for new snow throwers.

Identifying your 45" Snow Thrower Model 190-450-100.

1987--White steel chute assembly.

Serial Numbers (located on the right side of the blower housing and on the outside of the carton.)
11-021-200 to 11-021-2560

1988--Black plastic chute assembly.

Serial Numbers (located on the right side of the blower housing and on the outside of the carton.)
41-030-0369 to 41-030-0400
41-030-0601 to 41-030-0700
41-030-1001 to 41-030-1100
41-030-1302 to 41-030-1400
41-030-1601 to 41-030-1700
41-030-1801 to 41-030-1900
41-030-2201 to 41-030-2400
41-030-2701 to 41-030-2800
41-030-2904 to 41-030-2978

Identifying your Carriage Brackets Extension Kit Model 190-448-100. (Used on models 1572, 1872, 2072, 1912, 1914 Super Garden Tractors)

1987--Contains two (2) lift links approximately 13 1/2" long.

1988--Contains NO lift links. The links are packed with the 190-450-100 (1987) snow thrower.

Identifying your Manual Lift Bracket and Helper Spring Kit Model 190-449-100. (Used on models 1204, 1210, 1810, 580, 582, 680, 682 Garden Tractors)

1987--Quick pins are used to attach the carriage brackets to the tractor frame.

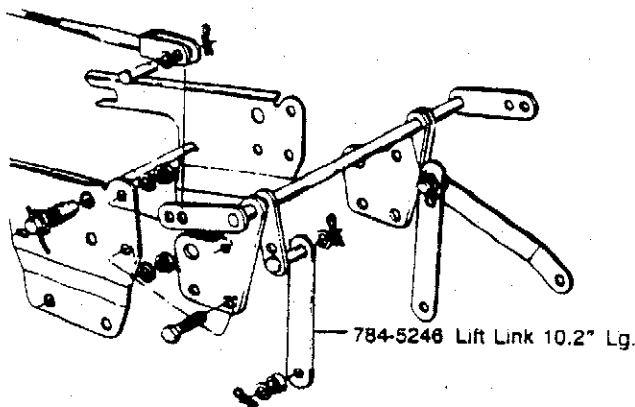


1988--Threaded pins are used to attach the carriage brackets to the tractor frame.

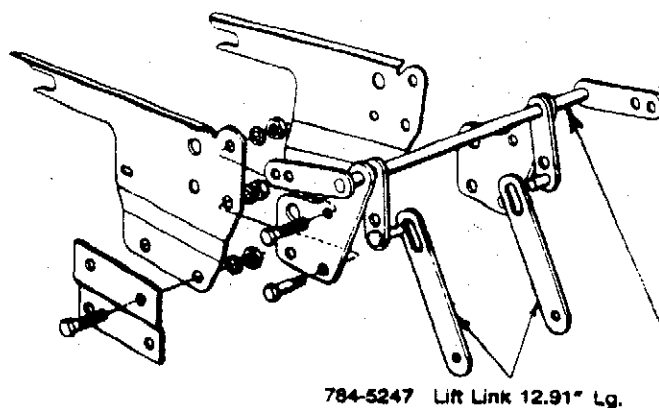


NOTE: If the year of manufacture of the kits (190-448-100 & 190-449-100) matches the year of manufacture of the snow thrower (190-450-100) no additional parts are needed.

If you have a 1987 model 190-450-100 snow thrower and a 1988 model 190-448-100 Carriage Bracket Extension Kit, disregard the links in the 190-448-100 kit and use the links packed with the 190-450-100 Snow Thrower.



If you have a 1988 model 190-450-100 snow thrower and a 1987 model 190-448-100 Carriage Bracket Extension Kit you must order (2) 784-5247 lift links from the Cub Cadet parts Department.



NOTE: On all large frame tractors you must cut off the end of the pivot axle assembly with a hacksaw so it will not interfere with the chute crank.

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CODE: 267

DATE: OCTOBER 20, 1993

SUBJECT: 451 SNOWBLOWER PIVOT ASSEMBLY INTERFERENCE WITH TRACTOR FRONT GRILL.

During the production process of the above snowblowers the factory inadvertently missed a grinding operation.

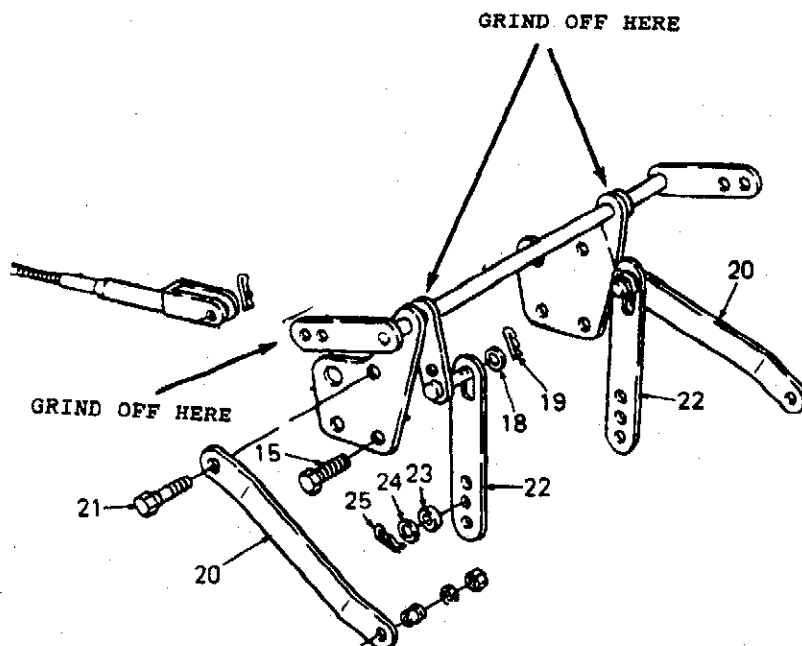
The arms that make up the lift pivot assembly, see illustration, did not have the corners ground off after the shearing operation. Because of this missed operation the lift arms may come in contact with the tractor front grill and cause damage to the grill. Before assembling the lift mechanism to the tractor the following should be done to prevent damage to the front grill of the tractor.

1) Grind off the corners of the pivot lift arms and repaint. Check for proper clearance when installed on tractor.

2) Grind off corners of the pivot lift arm, see illustration, to allow for clearance between arm and lift yoke.

3) Submit a warranty claim for 1.0 hours per snowblower. Up to 4 snowblowers may be submitted on one claim.

NOTE: Make sure serial numbers are present on each claim, one serial number per unit.



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Power Equipment

CODE NO: CC-268

DATE: NOVEMBER 10, 1993

SUBJECT: 451 SNOWBLOWER NOT GOING ALL THE WAY TO THE GROUND WHEN MOUNTED ON G. T. TRACTORS.

Reports from the field indicate dealers are having difficulty with some of the new 451 snowblowers when the units are installed on garden tractors. When installed some units may not go all the way to the ground.

If you are experiencing the above difficulties the following should be done.

1) Check all tire air pressures and lift linkages for proper pressures and linkage adjustment.

2) Put two inch blocks under all four wheels and check the dimension between the cutting edge of the snowblower and the floor when the snowblower is in its lowest position. If the dimension is less than one inch then everything is adjusted properly and nothing else needs to be done. If the dimension is more than one inch the following should be done.

3) Set the park brakes on the tractor and raise the snowblower to its highest position.

4) Block the snowblower up using wooden blocks. Make certain the snowblower is blocked securely.

5) Remove the rod (item 1 fig.1) from the square tubing (item 3 fig.1) that attaches to the lower portion of the snowblower housing.

6) Remove the pivot bracket (item 2 fig.1) from the lower part of the snowblower housing by removing the two 1/2 diameter retaining bolts and nuts. (item 4 fig.1)

7) Install two part no.736-0179 (.531 I.D. X 1.250 O.D. X .100 thick flat washers) at each bolt hole location, between the pivot bracket and the snowblower housing and reassemble pivot bracket back on to housing.

8) Reassemble square tubing back on to pivot bracket by using the rod removed in step five and secure in place using the proper hardware.

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9) Start the tractor and raise the snowblower off of the blocks and lower snowblower all the way to the down position. The snowblower should now be less then one inch from the ground when measured as outlined above. If it is not close to the ground then recheck all adjustments.

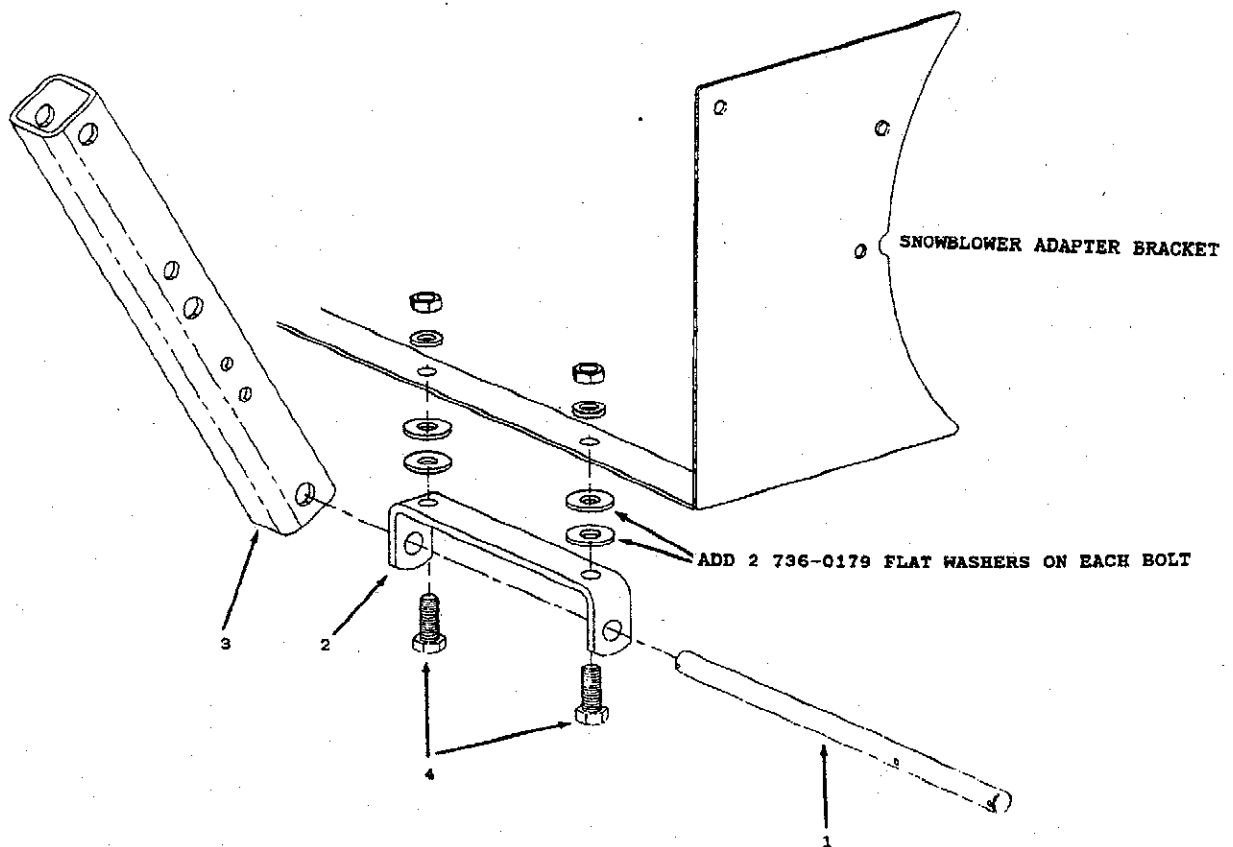


fig.1

Power Equipment

CODE: CC-159

DATE: SEPTEMBER 14, 1988

SUBJECT: 45" SNOW THROWER UPPER CHUTE CRANK

PROBLEM:

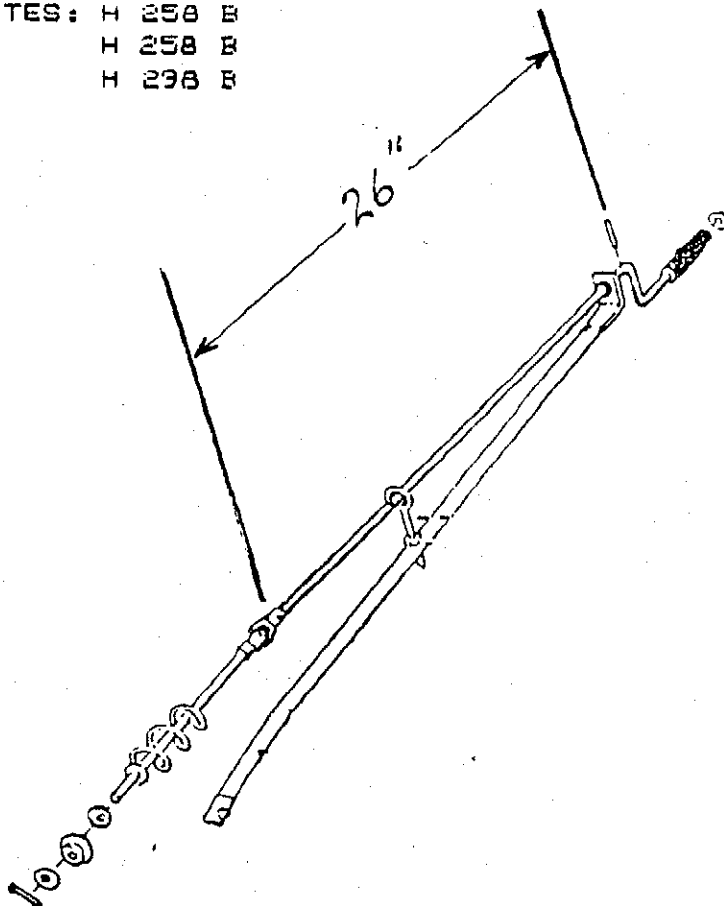
SOME OF THE UPPER CHUTE HANDLES MAY BE 8" TOO LONG WHICH WILL MAKE OPERATING THE CRANK DIFFICULT. THE CORRECT LENGTH IS 26" FROM THE END TO THE FIRST BEND.

SOLUTION: REPLACE PART NUMBER 747-0551 UPPER CHUTE CRANK.

MODEL NUMBER 190-450-100 45" SNOW THROWER ATTACHMENT

SERIAL NUMBERS D334617 TO D334712

MANUFACTURING DATES: H 258 B
H 258 B
H 298 B



SUPPLEMENT SHEET

Code No.: CC-185

Date: August 25, 1989

Subject: Engineering Change-Model 190-450-100 Snow Thrower Attachment

USE THIS SUPPLEMENT SHEET INSTEAD OF YOUR OWNER'S MANUAL WHEN ATTACHING THE UNDERCARRIAGE TO THE TRACTOR FRAME (STEP 10 ON PAGE 6).

- Your snow thrower attachment is equipped with a bolt, washer and nut instead of the threaded pins shown (Ref. 30 on page 14).

Step 10: Attach the undercarriage to the tractor frame as follows.

- Roll the tractor in position over the snow thrower attachment.
- Slide the slotted end of the undercarriage brackets over the 5/8" bolts on the tractor. Slide the rod into the front quick attach on tractor.
- Attach the undercarriage brackets to the tractor frame using the hardware included in screw pack. Note: Weld nuts in the frame will be used on some models instead of the hex nuts.
- Tighten the bolts loosened in step A.

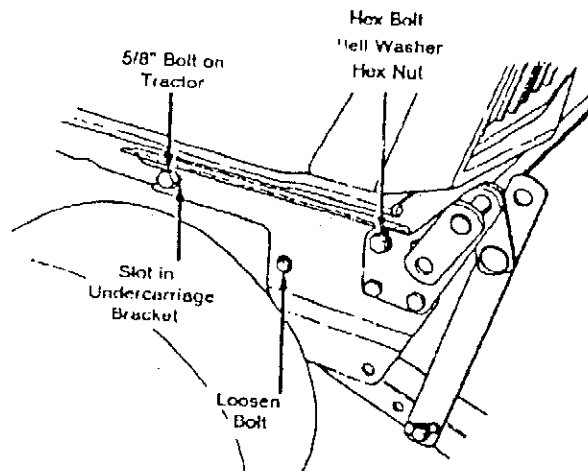


FIGURE 9.

Replacement Parts:

- **Part no. Description**

710-3032 Hex Bolt 1/2-13 x 1.25" Lg. - Gr. 5

712-0231 Hex Nut 1/2-13 Thd. - Gr. 5

736-0290 Bell-Washer

Cub Cadet**Power Equipment****Service Bulletin****Attachments****CC-337**

Model: Snow Thrower 190-551-100 for Garden & Super Garden Tractor

Date: October 21, 1996

Subject: Snow Thrower Installation

Since this is the first year for the above model Snow Thrower, this Service Bulletin will zero in on several issues during installation.

1. When installed onto the tractor, the snow thrower may not go all the way to the ground.

a. Check the two upper links where they attach to the blower housing. The upper links must be positioned with the bend toward the inside of the blower housing. The shoulder bolt will go through the upper link secured with the lock nut on the outside of the blower housing. Do not over tighten. (refer to illustrations on back of this bulletin) NOTE: If the left link is installed incorrectly, it will be necessary to remove the chute adapter.

b. The tractor lift system must be placed in its lowest height position.

c. The lift tube/adjustment clevis assembly must be installed with the form (bend) of the lift tube facing upward. NOTE: Remember to tighten the 3/4" hex jam nut (712-0301) against the clevis after final adjustment.

2. The Manual Lift Bracket and Helper Spring Kit (190-528-100 or 759-3855) is required to install the Model 551 snow thrower on a Model 1440 Garden Tractor.

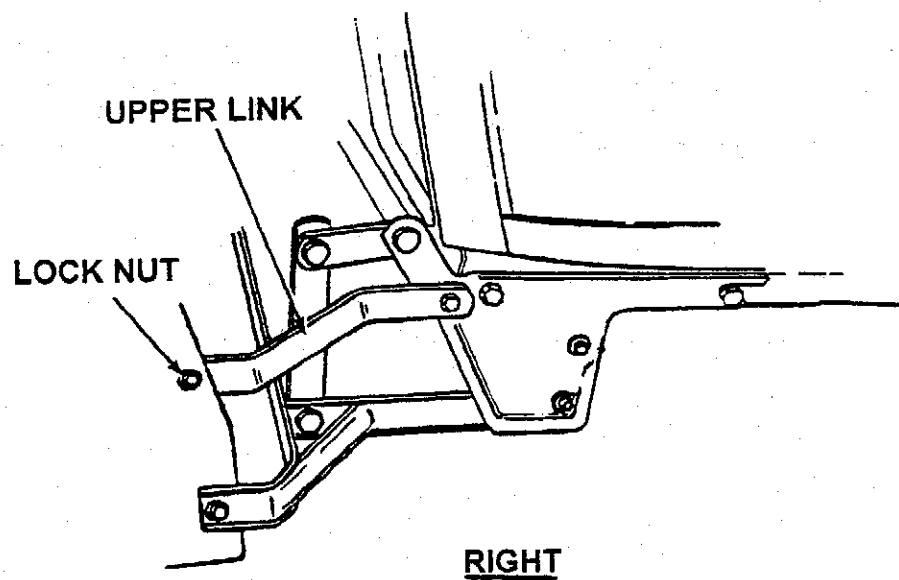
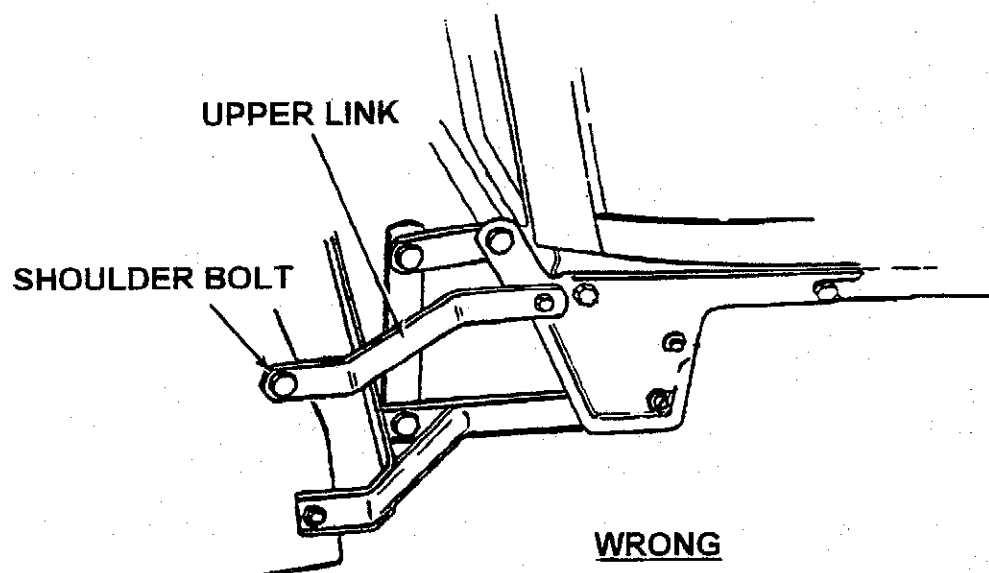
a. When using the discontinued kit (number 190-528-100), order part number 603-0420 bracket and 710-3251 roll pin to allow for the installation of this kit.

b. Current kit (part number 759-3855 ordered through Shelby Parts Depot) contains all the necessary parts needed.

This is being released as a bulletin for informational purposes only.

Service Manager	Parts Manager	Service Tech.	Service Tech.	Service Tech.

Circulate And Initial



Code No.: CC-103

Date: December 1, 1986

Subject: Installation and Adjustment Instructions for 190-450-100
45" Two-Stage Snow Thrower

NOTE: THESE INSTRUCTIONS REPLACE STEPS 16, 17 AND 18 ON PAGE 8, AND
STEP 26 ON PAGE 9 OF THE OWNER'S MANUAL (Form No. 772-3852).

A COPY OF THESE INSTRUCTIONS MUST BE GIVEN TO EACH CUSTOMER
PURCHASING A 190-450-100 SNOW THROWER.

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE THE LIFT HANDLE ROD
TO BEND DURING USE.

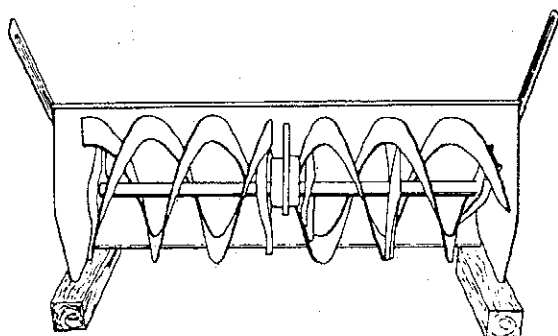


Figure A.

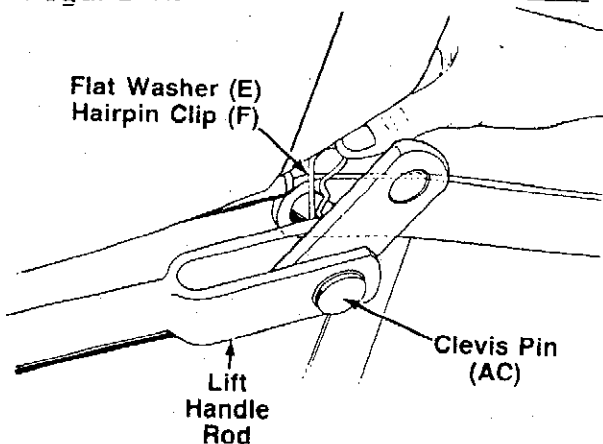


Figure B.

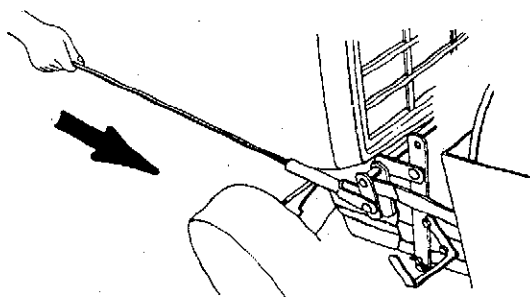


Figure C.

Assemble the snow thrower as instructed in the owner's manual through step 15 (page 8). Then proceed as follows.

- Lift the snow thrower housing and block it up with two 6" blocks. See figure A.
- Raise the tractor lift to its highest position.
- Install a hex jam nut 5/8-11 thread (part no. 712-0242) on the threaded portion of the lift handle rod (part no. 747-0546).
Note: This nut was NOT included with early production snow throwers.
- Install the adjustable clevis assembly (part no. 10991) onto the lift handle rod.
- Attach the forked end of the adjustable clevis to the pivot axle assembly (part no. 784-5405), using the hole closest to the pivot axle. Secure with clevis pin (AC), 5/8" flat washer (E) and hairpin clip (F). See figure B.
- After securing the lift handle rod assembly to the pivot axle assembly, push the lift handle rod forward (toward the snow thrower) to remove all the slack in the snow thrower lift linkage. See figure C.
- Thread the lift handle rod into or out of the adjustable clevis as necessary to align the hole in the rod with the pin on tractor lift handle. Secure with flat washer and hairpin clip.

Continue assembly of the snow thrower following step 19 on page 9 of your owner's manual. Disregard step 26