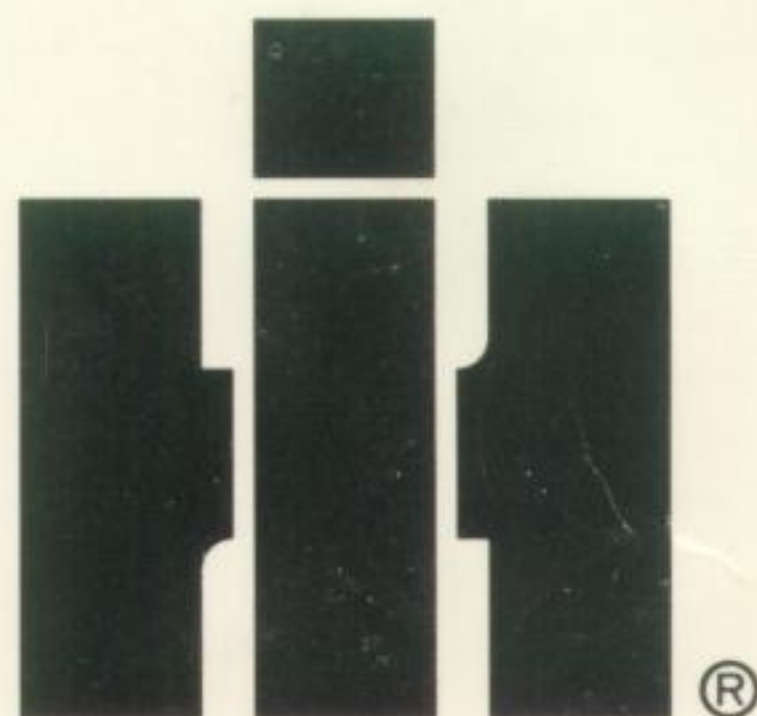


INTERNATIONAL[®]
Blade
(42 and 54-inch)
(1066.8 and 1371.6 mm)
with
Spring Trip
for
INTERNATIONAL
Cub Cadet[®] Tractors

SETTING UP INSTRUCTIONS

INTERNATIONAL[®]

OPERATOR'S MANUAL



To The Owner

Your new International Harvester implement is designed to meet today's exacting operating requirements. The ease of operation, and ability to adjust to field conditions lighten your work and shorten your hours on the job.

You are urged to consult your International Harvester dealer concerning unusual conditions or special applications. Let the experience of your dealer and the organization associated with him serve you.

Be sure to read the instructions for Adjusting and

Operating in this manual. Check each item referred to and acquaint yourself with the adjustments required to obtain efficient operation and maximum trouble-free service. Remember, an implement which is properly lubricated and adjusted saves time, labor, and fuel.

After the operating season, thoroughly clean your implement and inspect it. Preventive maintenance pays dividends. Your dealer has original-equipment parts which assure proper fit and best performance. He is able to recondition your equipment to a like new condition.

METRIC (SI) MEASUREMENTS

A standard of measurement known as International System of Units (SI) has been adopted for world-wide use. English Units followed by Metric Equivalents are used throughout this manual. (Metric Equivalents are given in parentheses)

DELIVERY SERVICE FOR INTERNATIONAL BLADE

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Delivered to _____ Dealer _____

Address _____ Town _____

Town _____ Serial No. _____

State _____ Zip _____ Engine Serial No. _____

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, and safe operation. The warranty policy provisions were also explained and reviewed.

DEALER'S SIGNATURE

Above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

DATE

OWNER'S SIGNATURE

FOLD BACK HERE AND ADD CARBON

CUT ALONG THIS LINE FIRST

DEALER'S COPY

DELIVERY SERVICE FOR INTERNATIONAL BLADE

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FOLD FORWARD HERE AND ADD CARBON

OWNER'S COPY

Delivered to _____ Dealer _____
 Address _____ Town _____
 Town _____ Serial No. _____
 State _____ Zip _____ Engine Serial No. _____
 Time of delivery _____
 This form must be filled out by the dealer and signed by both the dealer and the customer at the

DELIVERY SERVICE FOR INTERNATIONAL BLADE

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Delivered to _____ Dealer _____
 Address _____ Town _____
 Town _____ Serial No. _____
 State _____ Zip _____ Engine Serial No. _____

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DEALER'S SIGNATURE _____

Above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

DATE _____

OWNER'S SIGNATURE _____

REGIONAL OFFICE COPY

TECHNICAL PUBLICATIONS AVAILABLE

Your International Harvester Dealer and his factory trained servicemen are best qualified to service your equipment. Up-to-date instructions and adequate special tools are also a part of your Dealer's service facilities.

This Operator's Manual was prepared to instruct you in proper operation and maintenance of your equipment. If you desire additional information you may purchase Service Manuals and/or Parts Catalogs. Additional copies of the Operator's Manual are also available.

Fill out the order blank and forward together with your check or money order in the appropriate amount (U.S. Funds) to:

International Harvester Company

PRINTING AND
DISTRIBUTION SERVICES

807 Blackhawk Drive

Westmont, Illinois 60559

Attention: Cashier

Cut Along This Line

Title	Number	Qty.	Price Each
Operator's Manual			
Blade, International	1 084 564 R2		1.60
Parts Catalog			
Current Blades	CPE-2		6.30
Service Manual			
Not Available			

Cut Along This Line

TOTAL _____

Please Print

Name _____

Street Address _____

City _____

State _____

Zip Code _____

Date _____

Signed _____

Do not send cash or stamps

Prices subject to change without notice.

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INTRODUCTION

The International 42 or 54-inch (1066.8 or 1371.6 mm) blade can be installed on all International Cub Cadet Tractors.

When the proper sub frame has been installed on the tractor, then the installation of either of the two sized blades and their main frames are basically the same.

Use sub frame adapting package (**473 932 R92**) for International Cub Cadet Tractors serial numbers up to and including 65457 and International Cub Cadet models 70, 71, 72, 73, 100, 102, 104, 105, 106, 107, 122, 123, 124, 125, 126, 127 and 147 serial numbers 65458 up to and including 400,000.

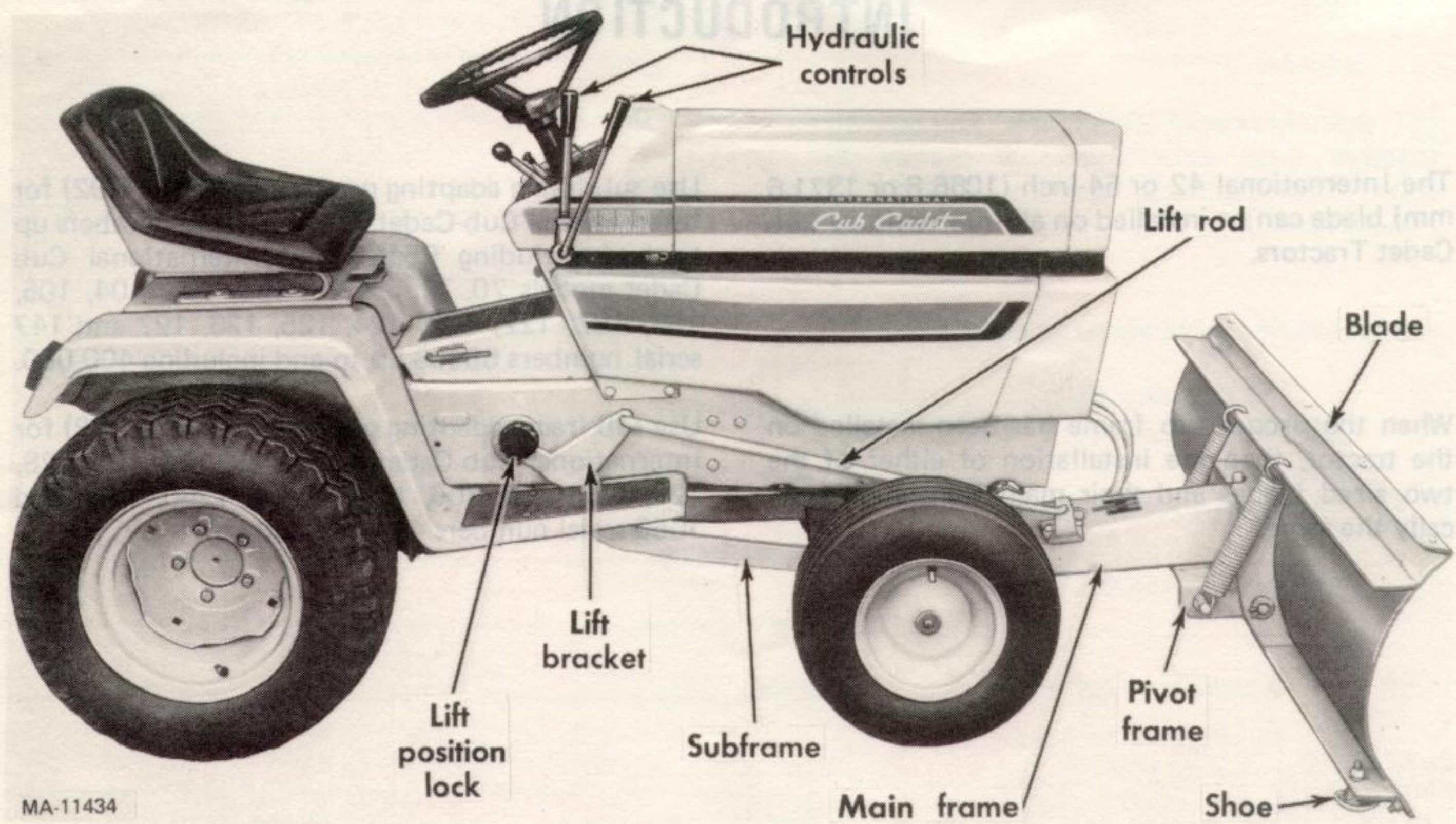
Use sub frame adapting package (**549 674 R92**) for International Cub Cadet models 86, 108, 109, 128, 129, 149, 169, 800, 1000, 1200, 1250, 1450 and 1650 serial numbers 400,001 and up.

INTRODUCTION



MA-11439

Manually operated blade.



MA-11434

Hydraulically operated blade.

WORK SAFELY – FOLLOW THESE RULES



This symbol is used to call your attention to instructions concerning your personal safety. Be sure to observe and following these instructions.

Disengage all clutches and shift into neutral before starting the engine.

To avoid injury, disengage power to any attachments and stop engine before leaving operator's seat or making any repairs or adjustments.

Know the controls and how to stop quickly. **READ THE OPERATOR'S MANUAL.**

To avoid an accident or injury, do not allow children or adults to operate the equipment without proper instruction.

Clear work area of objects which might be picked up and thrown.

Disengage power to any attachment when transporting or not in use.

To prevent injury, do not carry passengers or give rides. Keep children, pets, and by-standers a safe distance away.

To prevent an accident, always disengage the power take-off, shift transmission into neutral, set the parking brake, stop the engine, and remove ignition key when leaving the machine unattended.

Reduce speed on slopes and in sharp turns to prevent tipping or loss of control.

Stay alert for holes in terrain and other hidden hazards.

Do not stop or start suddenly when going uphill or downhill to prevent loss of control

Use care when pulling loads or using heavy equipment: - A. Use only approved hitch points. B. Limit loads to those you can safely control. C.

Don't turn too sharp, and use care when backing. D. Use counterweight or wheel weights when suggested in Operator's Manual.

Watch out for traffic when crossing or near roadways.

When using any attachments, never direct discharge of material toward by-standers nor allow anyone near the machine while in operation.

Handle gasoline with care - it is highly flammable: - A. Use approved gasoline container. B. Never remove the fuel tank cap or fill the fuel tank when the engine is running, is hot, or indoors. Also, do not smoke when working around flammable fuel. Wipe up spilled gasoline. C. Replace gasoline cap securely.

Do not run the engine in a confined area such as a storage building.

Keep machine in good operating condition and keep safety devices in place. Use guards or shields as instructed in Operator's Manual

It is recommended that the machine be stopped and inspected for damage after striking a foreign object and that any damage be repaired before restarting and operating the machine.

Always stop the engine, depress the brake pedal and set the brake pedal lock before working on the machine. Disengage all implements and shift the transmission into neutral.

REMEMBER - A careful operator is the best insurance against an accident.

ADJUSTING AND OPERATING

GENERAL

The blade is designed for use on International® Cub Cadet Lawn Tractors for clearing snow, leveling soft dirt or sand, and other lightweight dozer jobs. The spring trip release protects the blade, tractor, and operator from severe shock loads when the blade comes in contact with curbs and other obstacles, regardless of speed. The blade has a reversible cutting edge.

Snow Removal Operations

Set the blade in the "free to float" position as follows:

On the Model 72, 73, 86, 104, 105, 106, 107, 108, 109, 124, 125, 126, 127, 128, 129, 800, 1000, 1200, and 1250 Tractors with manual lift handle, depress the release button on top of the handle, and press in the lock button at the front of the handle.

To disengage the lift handle from the "Float" position, pull lift handle back slightly and depress top button.

On the Cub Cadet, and Model 70, 71, 100, 102, 122, and 123 Tractors with manual lift handle, depress the release button and move the wire bail over the top of the button.

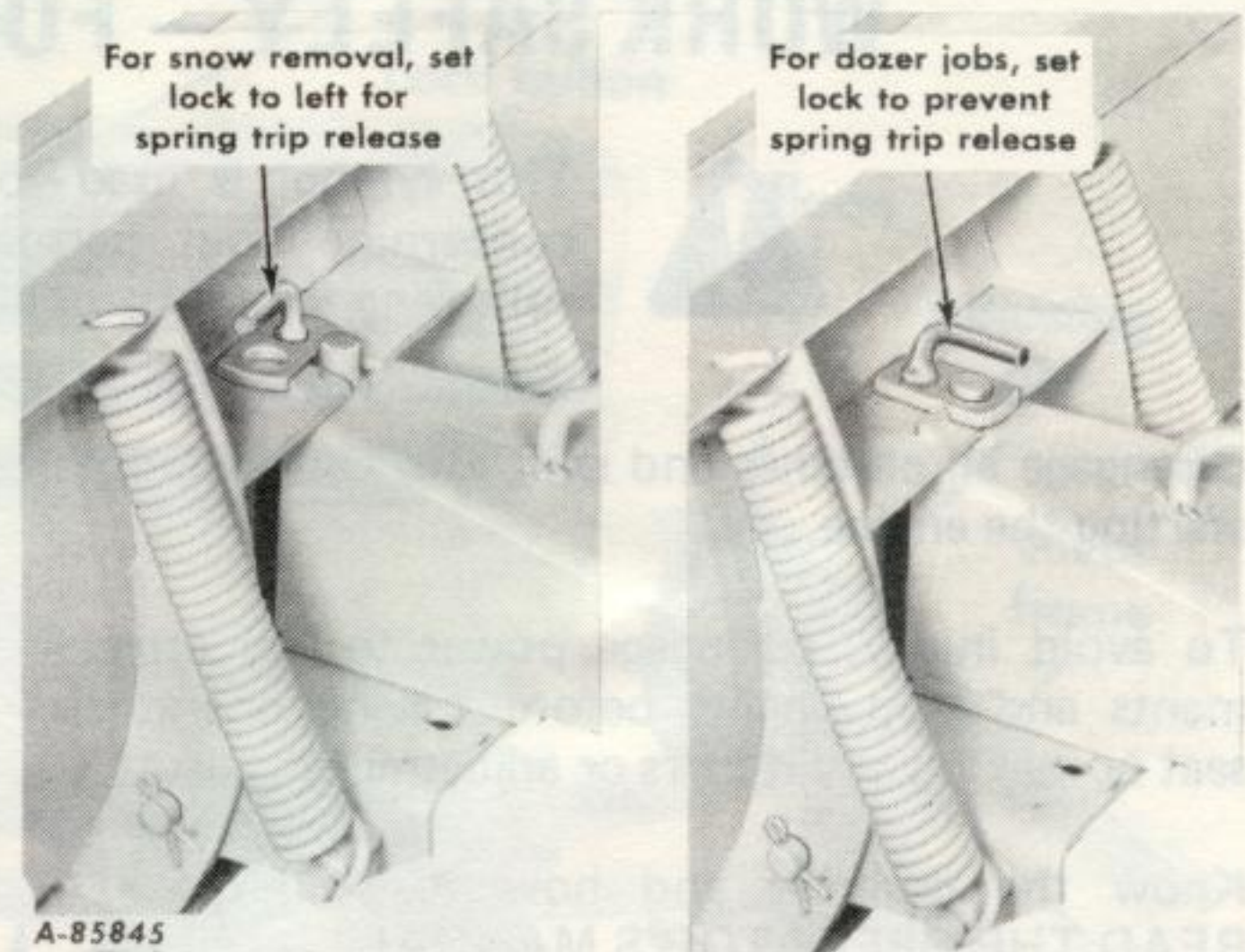
To disengage the lift handle from the "Float" position, pull lift handle back slightly and move wire bail from top of handle.

Blade should always be unlocked so that the spring trip release is in operation.

For tractors equipped with either a hydraulic lift unit or an electric lift refer to the Operator's Manual for your specific tractor.

Adjust the shoes so that the blade cutting edge clears the pavement.

For Grading: The blade may be locked in the stationary position or unlocked for spring trip release.



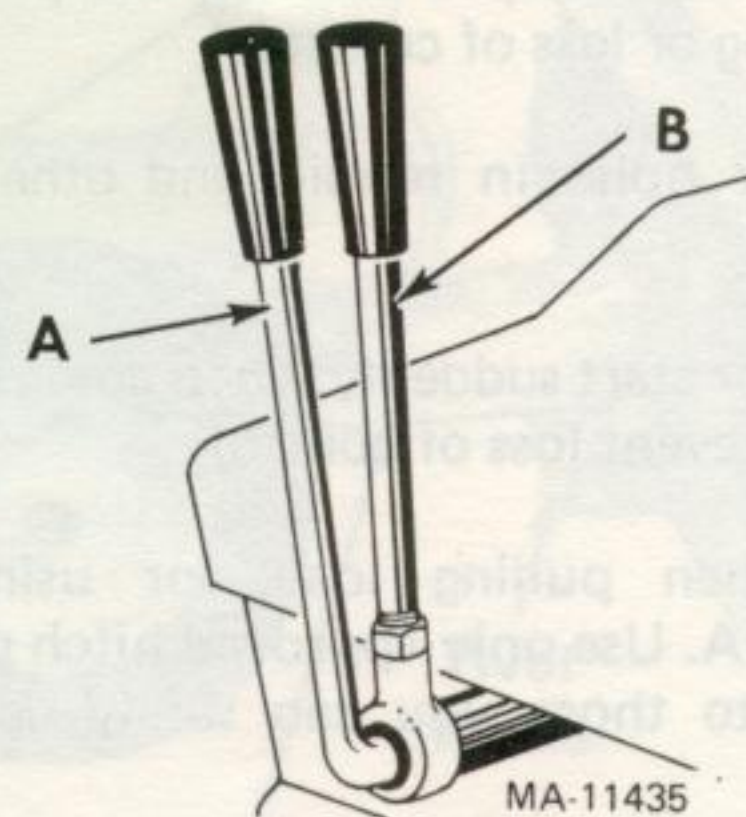
Left side of frame shown.
Right side is similar.



CAUTION! Never operate the tractor at high speeds with the blade locked in the stationary position. A collision with a hidden obstacle may damage the blade cutting edge and unseat the driver.

The manually operated blade has five angular positions. The blade is controlled by the adjusting pin. Raise the pin and angle the blade as desired, then lock in place by lowering the pin. The hydraulic levers, located on the right side of the tractor, angle and lift the blade.

OPERATING THE HYDRAULIC BLADE



To angle the blade, activate lever "A". To raise and lower the blade, activate lever "B".

SETTING UP

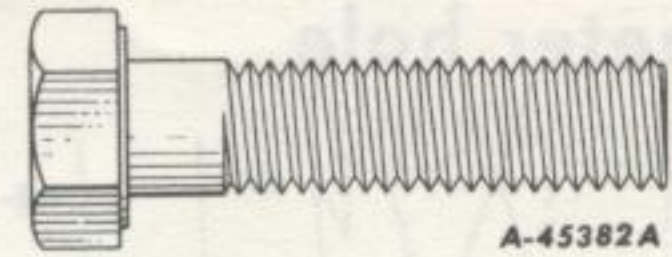
Remove all wires or other packaging material. Sort out all hardware by sizes and types in a convenient and orderly manner.

Bolts must be used in the holes in which they are found, or in the parts to which they are attached unless otherwise shown.

Lubricate all working parts as you proceed, and see that they work freely.

Whenever the terms "left" and "right" are used, it should be understood to mean from a position behind and facing the machine.

Bolts furnished with the blade are identified by three radial lines on the head. Bolts without radial lines are type 1.



CAUTION

Read the Operator's Manual.

Learn to operate this machine SAFELY.

Be alert. Observe ALL Safety Practices.

Machines can be hazardous in the hands of an UNFAMILIAR, UNTRAINED or COMPLACENT operator.

Don't risk INJURY or DEATH.

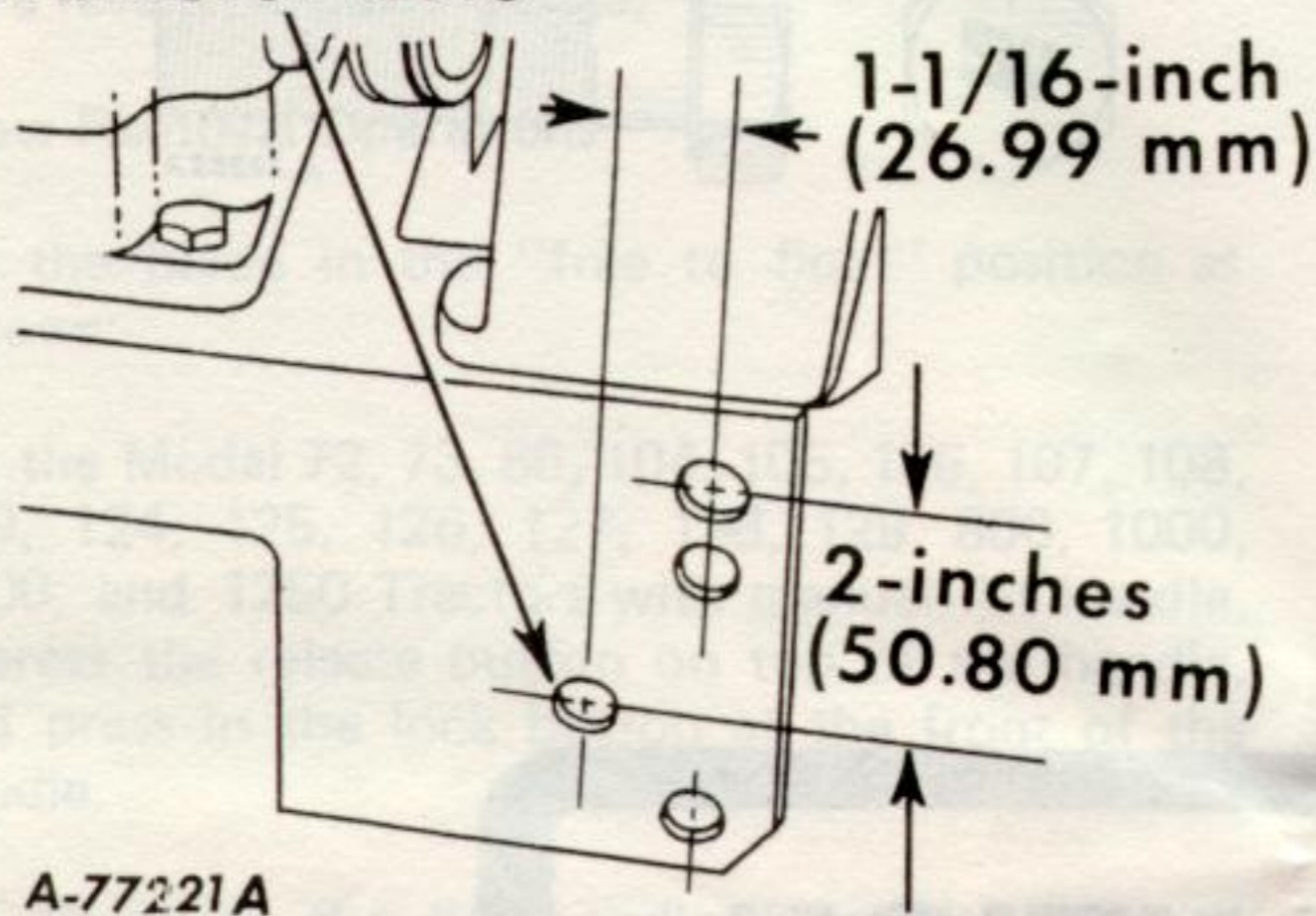
MA-10034

SETTING UP

Subframe Adapter Package (473 932 R92)

TRACTOR MODIFICATION

Drill one 17/32-inch (13.49 mm) diameter hole



To attach the blade subframe to International Cub Cadet Tractors with serial numbers up to and including 65457, drill holes in tractor frame on left and right sides as shown.

The above step is not required on the following tractors: Tractors with serial number 65458 up to and including 400,000. Models 70, 71, 72, 73, 100, 102, 104, 105, 106, 107, 122, 123, 124, 125, 126, 127, and 147.

Cub Cadet 70, 71, 100, 102, 122 and 123 Tractors with mower mounting brackets: Remove the mounting brackets before attaching the blade subframe.

For tractors equipped with either a hydraulic lift unit or an electric lift refer to the Operator's Manual for your specific tractor.

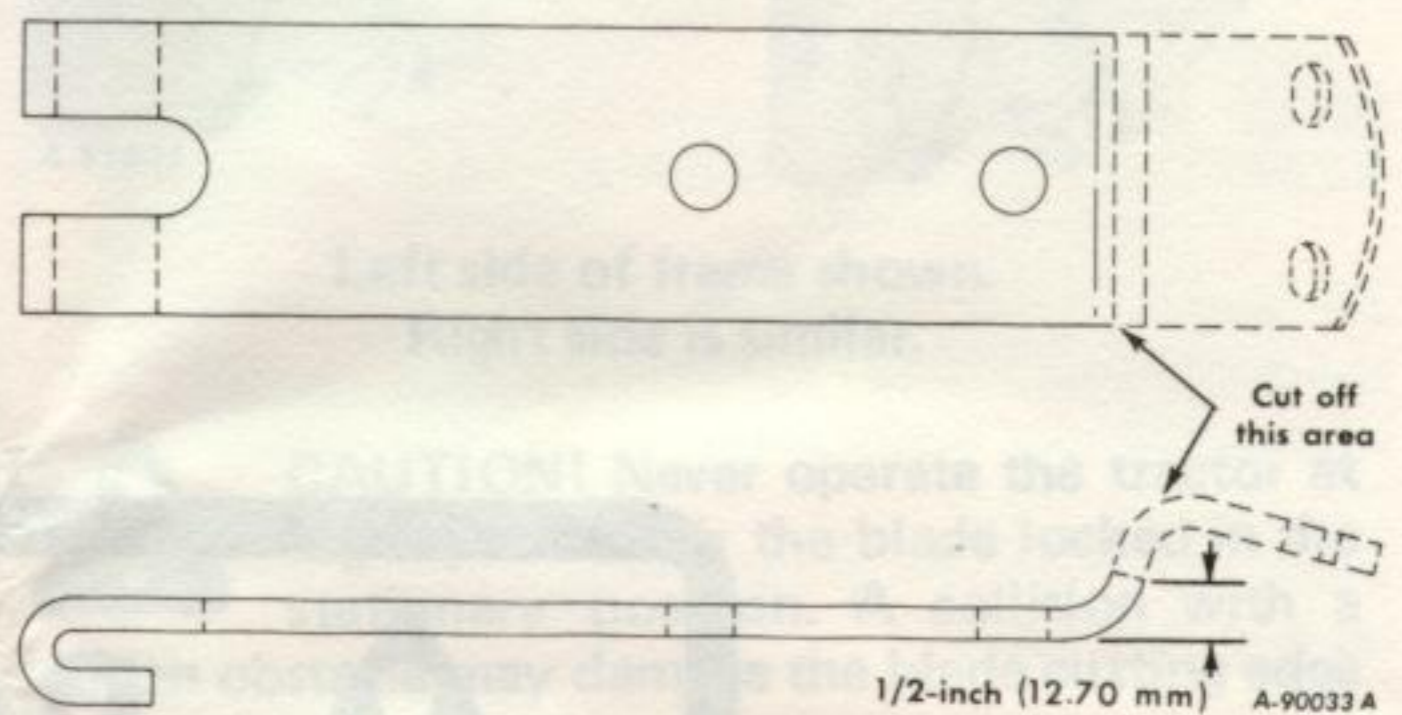
Adjust the shoes so that the blade cutting edge clears the pavement.

For Grading: The blade may be locked in the stationary position or unlocked for spring trip release.

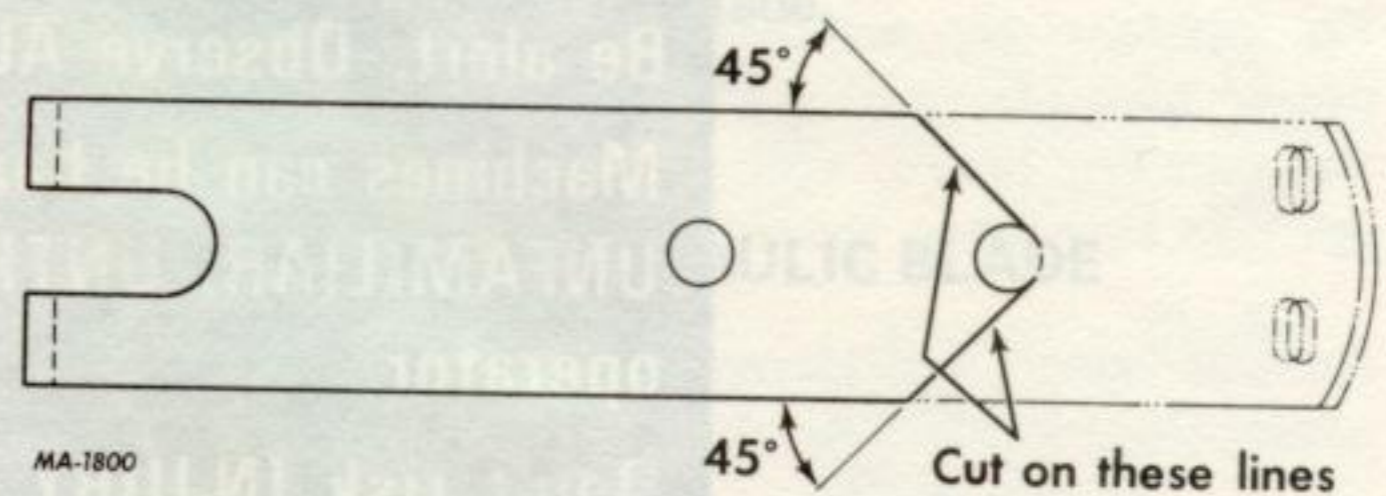
BLADE MODIFICATION

Tractors with Hydraulic Lift Unit: Order the following parts from parts stock; one 27 934A, spacer (1/2 x 1-1/32-inch (12.70 x 26.19 mm) pipe), one 1/2 x 1-7/8-inch hex. head bolt, and one 1/2-inch medium lock washer. Rework the lift bracket as shown.

Tractors with Electric Lift: Order one 1/2 x 1-inch hex. head cap screw. Rework lift bracket as shown.



Reworking diagram for lift bracket for tractors equipped with hydraulic lift.

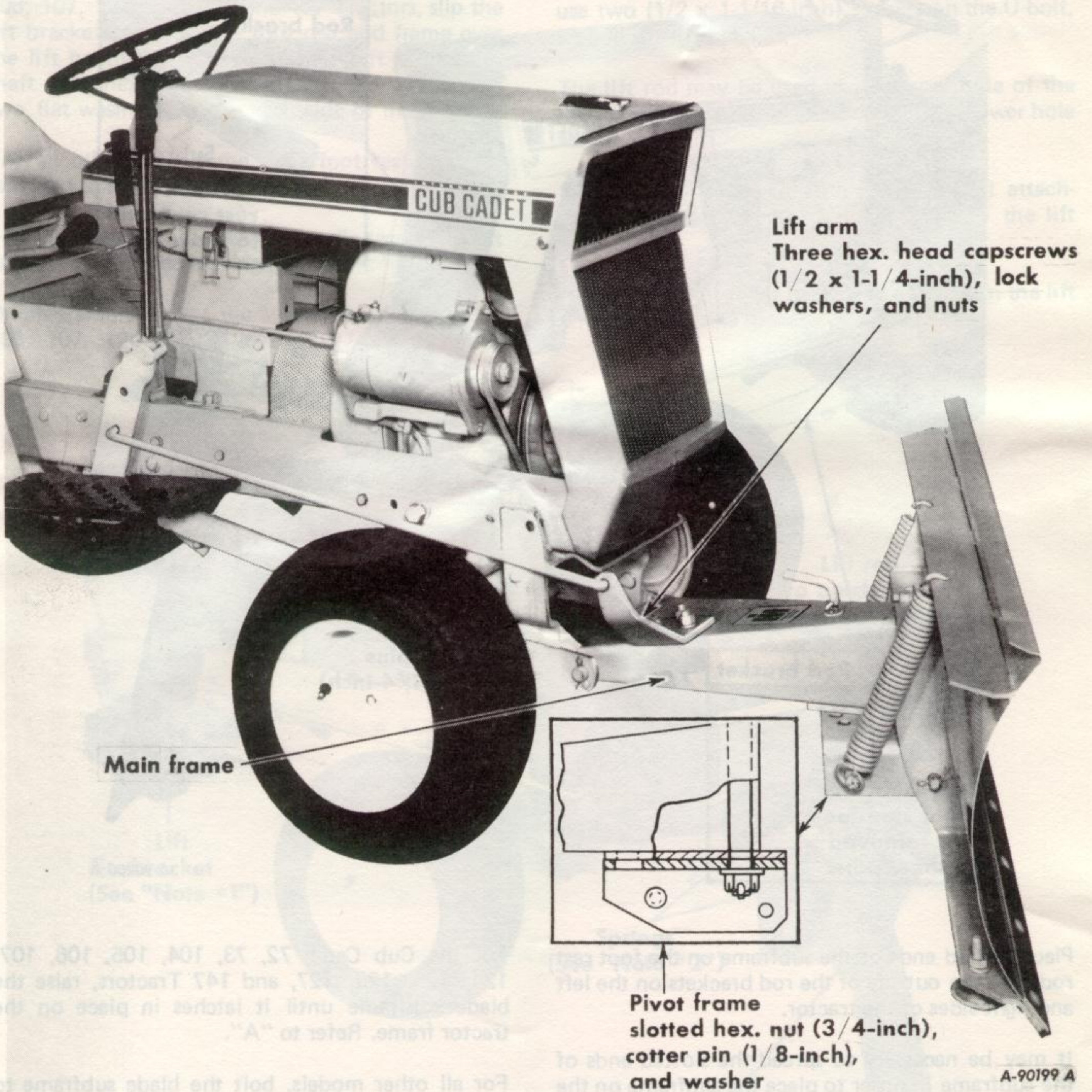


Reworking diagram for tractors equipped with electric lift.

SETTING UP

Subframe Adapter Package (473 932 R92)

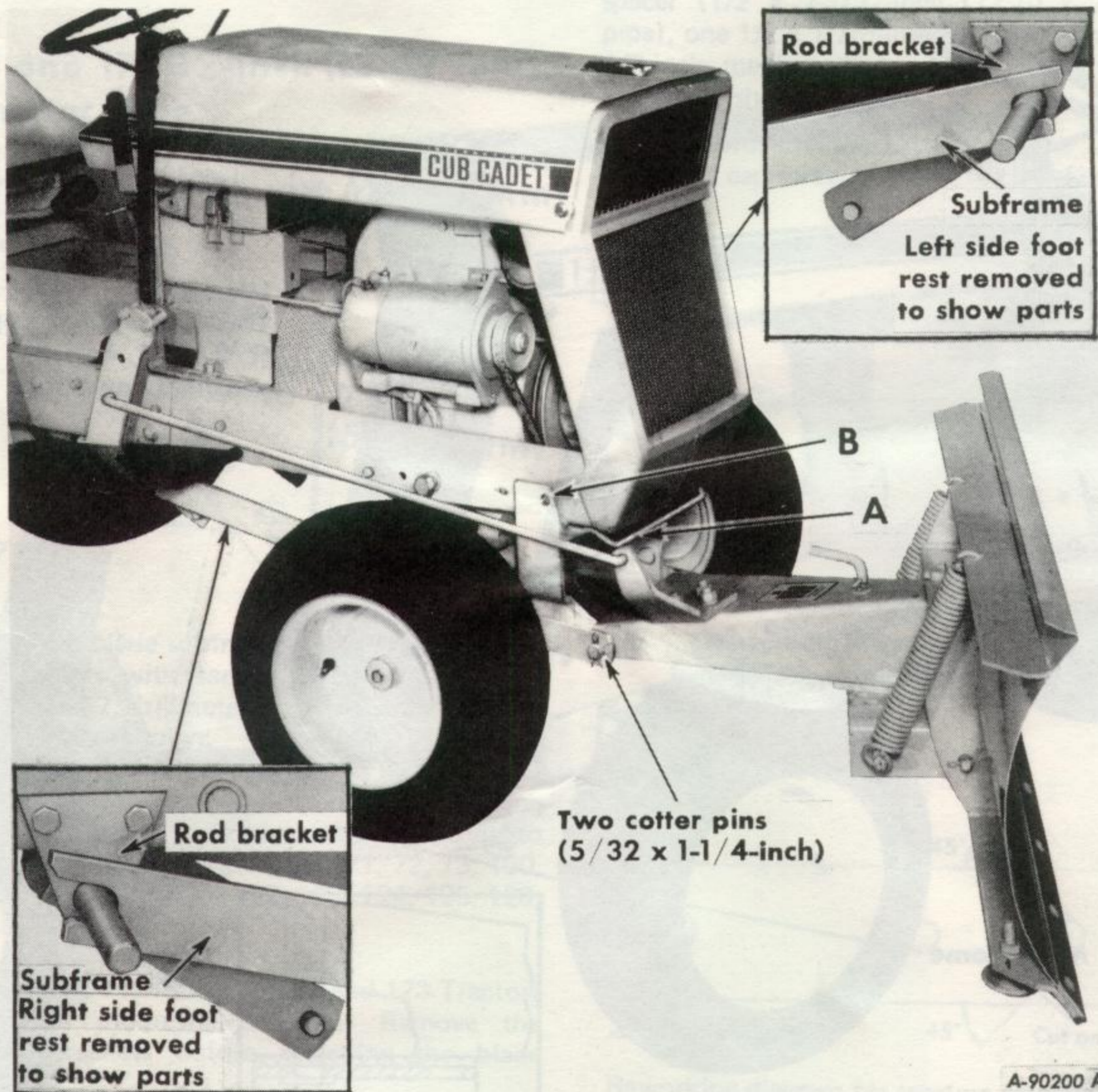
STEP 1. PIVOT FRAME, MAIN FRAME AND LIFT ARM



SETTING UP

Subframe Adapter Package (473 932 R92)

STEP 2. MAIN FRAME AND SUBFRAME



Place slotted ends of the subframe on the foot rest rods, on the outside of the rod brackets on the left and right sides of the tractor.

It may be necessary to spread the slotted ends of the subframe in order to place the subframe on the foot rest rods.

For the Cub Cadet 72, 73, 104, 105, 106, 107, 124, 125, 126, 127, and 147 Tractors, raise the blade subframe until it latches in place on the tractor frame. Refer to "A".

For all other models, bolt the blade subframe to the tractor frame using two hex. head cap screws, (1/2 x 1-inch) and two (1/2-inch) medium lock-washers. Refer to "B".

SETTING UP

Subframe Adapter Package (473 932 R92)

STEP 3. LIFT BRACKET, LIFT ROD, SPRINGS AND BLADE

NOTE #1. On the Cub Cadet 72, 73, 104, 105, 106, 107, 124, 125, 126 and 127 Tractors, slip the lift bracket between the foot rest and frame over the lift handle pivot shaft. Secure lift bracket to shaft using hex. head bolt (5/16 x 2-3/4-inch) and two flat washers, one on each side of lift bracket.

For all other models the right foot rest must be removed to install the lift bracket.

For tractors with manual lift handle secure the lift bracket to the handle using the U-bolt.

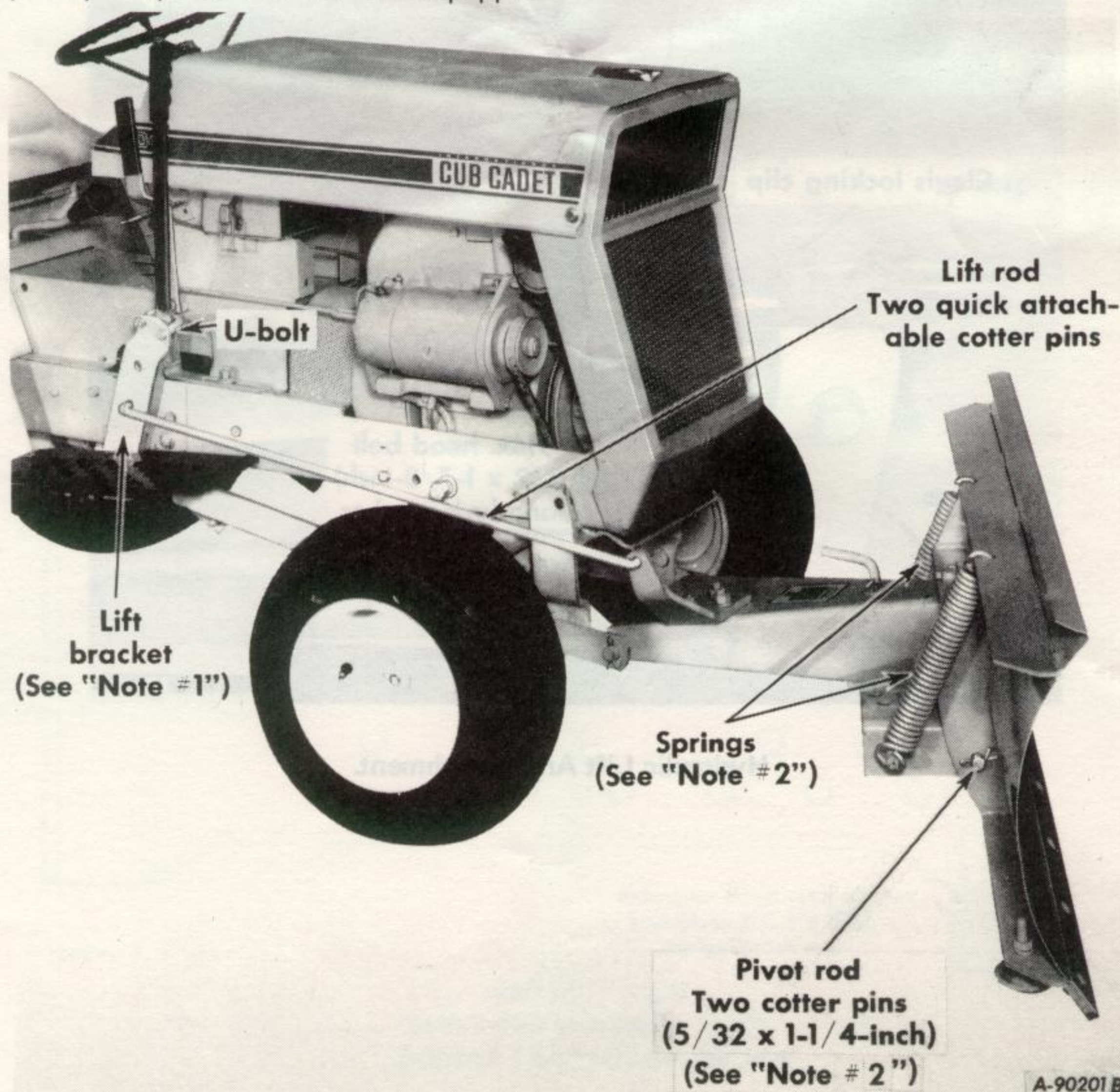
On all tractors except the Model 72, 73, 104, 105, 106, 107, 124, 125, 126 and 127 not equipped

with a shield on the lower end of the lift handle, use two (1/2 x 1-1/16-inch) spacers on the U-bolt, behind the lift bracket.

The lift rod may be used in the upper hole of the lift bracket for a higher lift, and in the lower hole for an easier lift.

For tractors equipped with hydraulic lift attachment, bolt the reworked lift bracket to the lift arm.

The lift bracket must be spaced away from the lift arm with the pipe spacer.



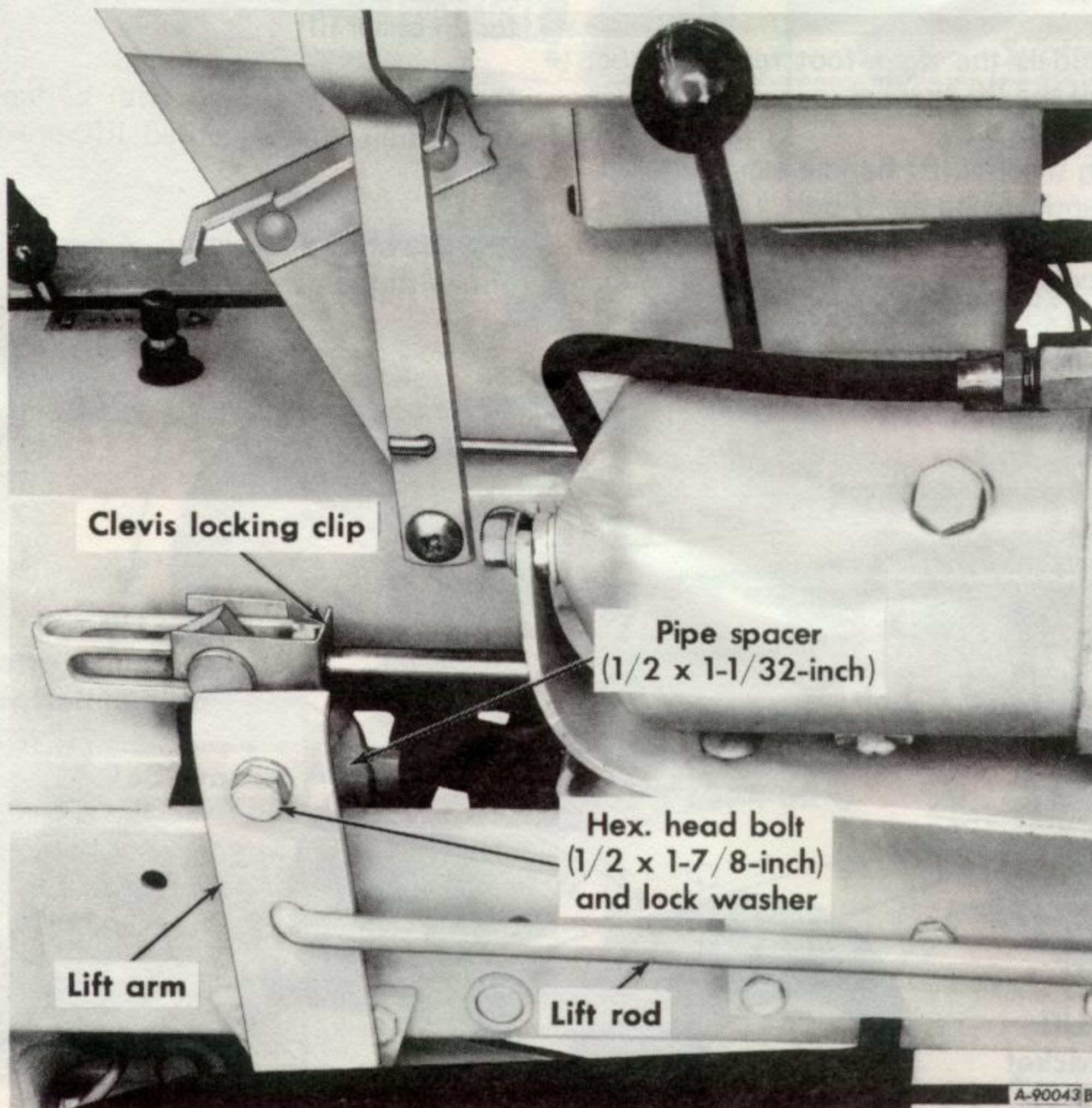
SETTING UP

Subframe Adapter Package (473 932 R92)

STEP 3. LIFT BRACKET, LIFT ROD, SPRINGS AND BLADE – Continued

For tractors equipped with electric lift attachment, bolt the reworked lift bracket to the lift arm, inside the tractor frame.

NOTE #2. Pitch blade rearward and connect the springs. Pitch blade forward and down to attach pivot frame to blade, using pivot rod and cotter pins.

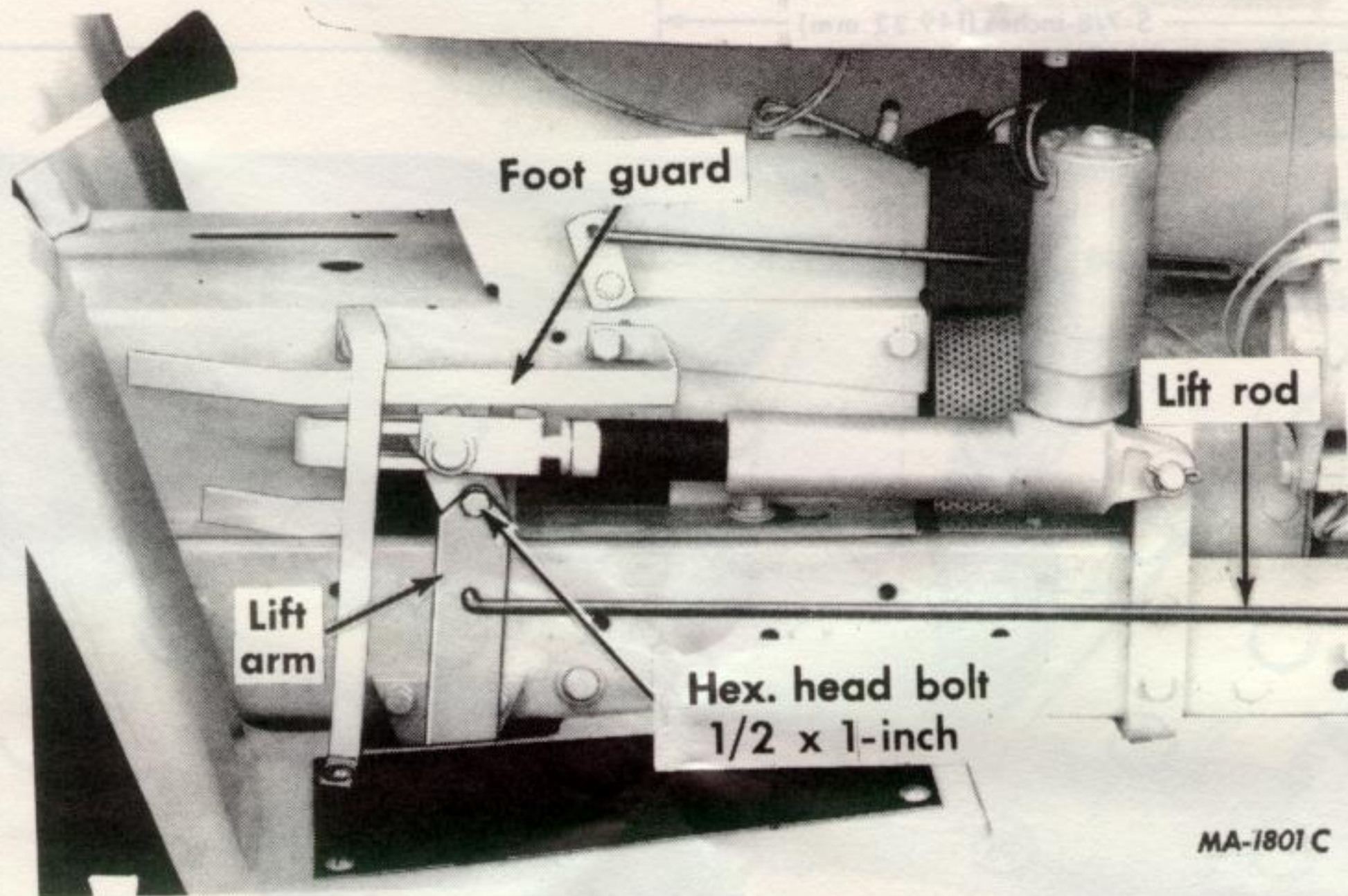


Hydraulic Lift Arm Attachment.

SETTING UP

Subframe Adapter Package (473 932 R92)

STEP 3. LIFT BRACKET, LIFT ROD, SPRINGS AND BLADE – Continued

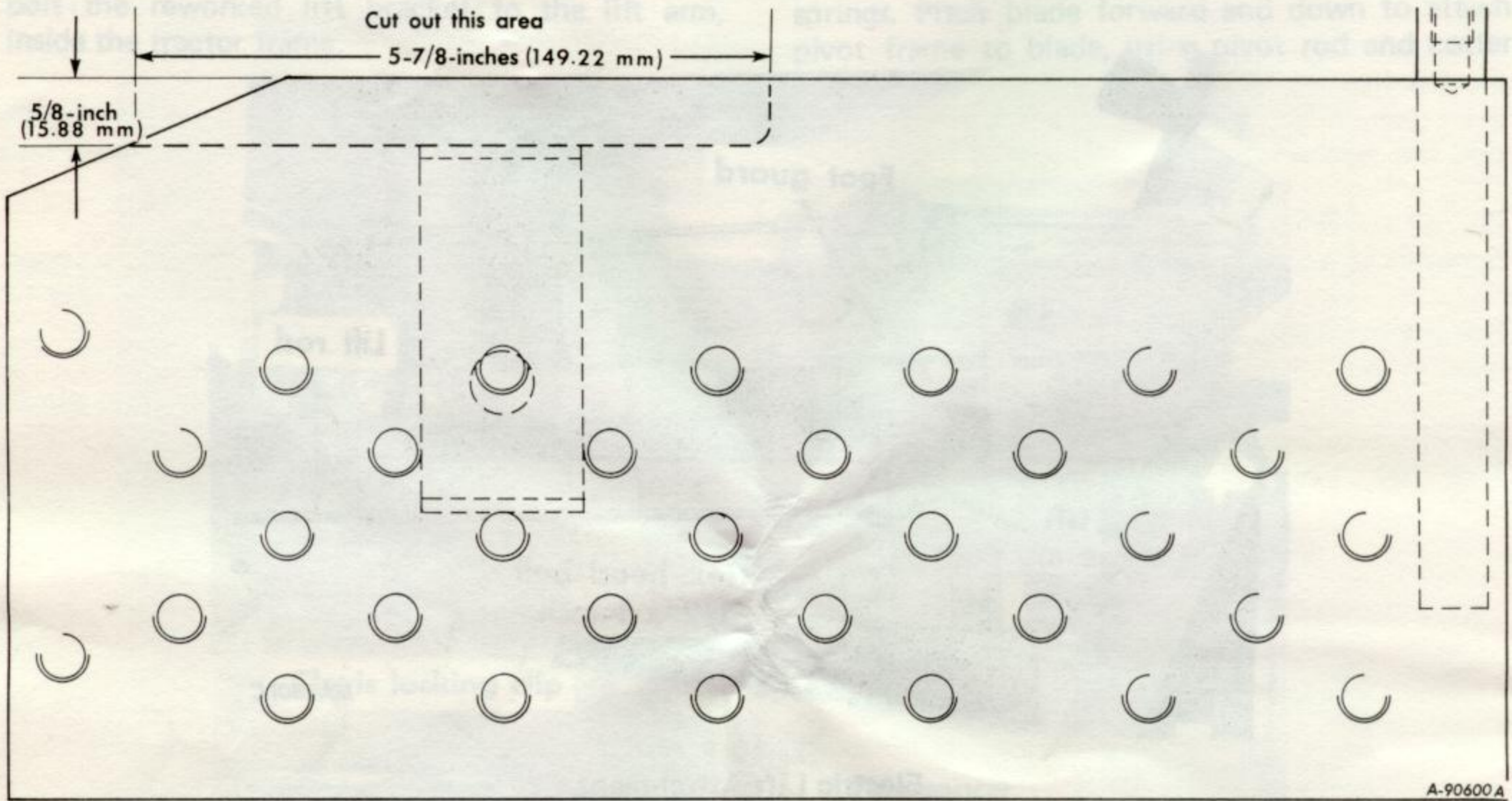


Electric Lift Attachment.

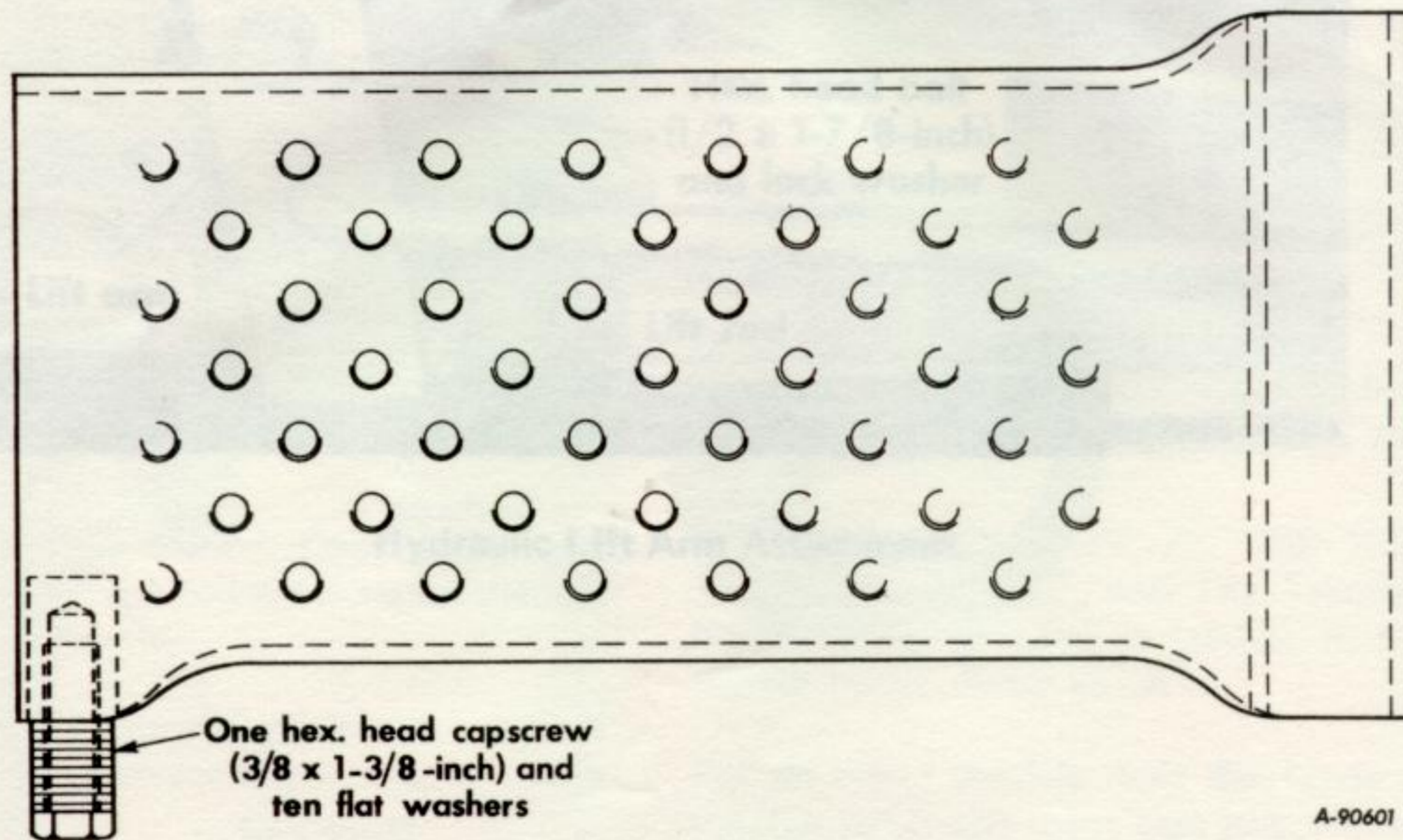
SETTING UP

Subframe Adapter Package (473 932 R92)

STEP 3. LIFT BRACKET, LIFT ROD, SPRINGS AND BLADE – Continued



Right Foot Rest for Models 100, 102, 122 and 123 Tractors.

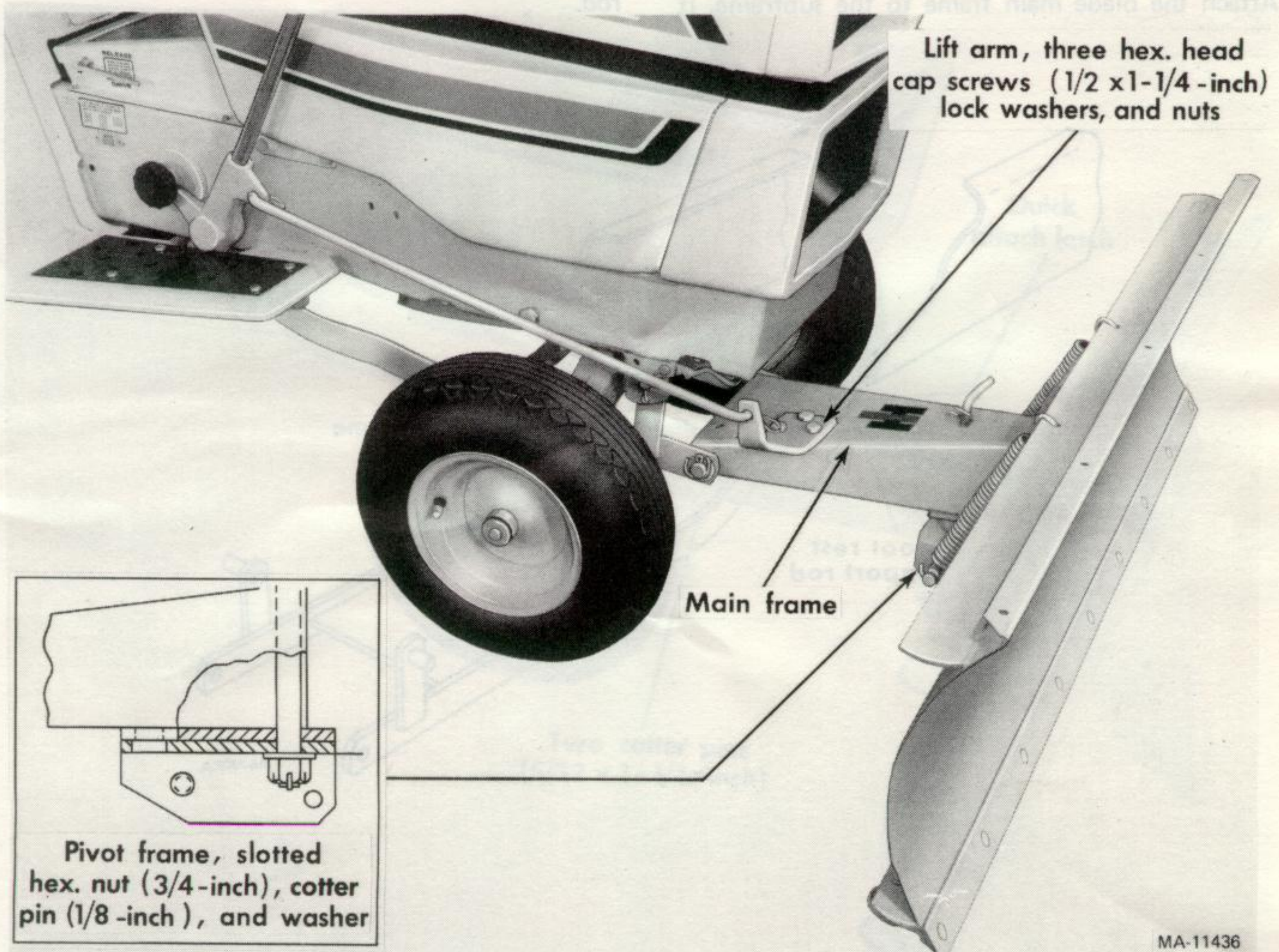


Right Foot Rest
for International Cub Cadet
and Models 70 and 71 Tractors.

SETTING UP

Subframe Adapter Package (549 674 R92)

STEP 1. PIVOT FRAME, MAIN FRAME AND LIFT ARM



SETTING UP

Subframe Adapter Package (549 674 R92)

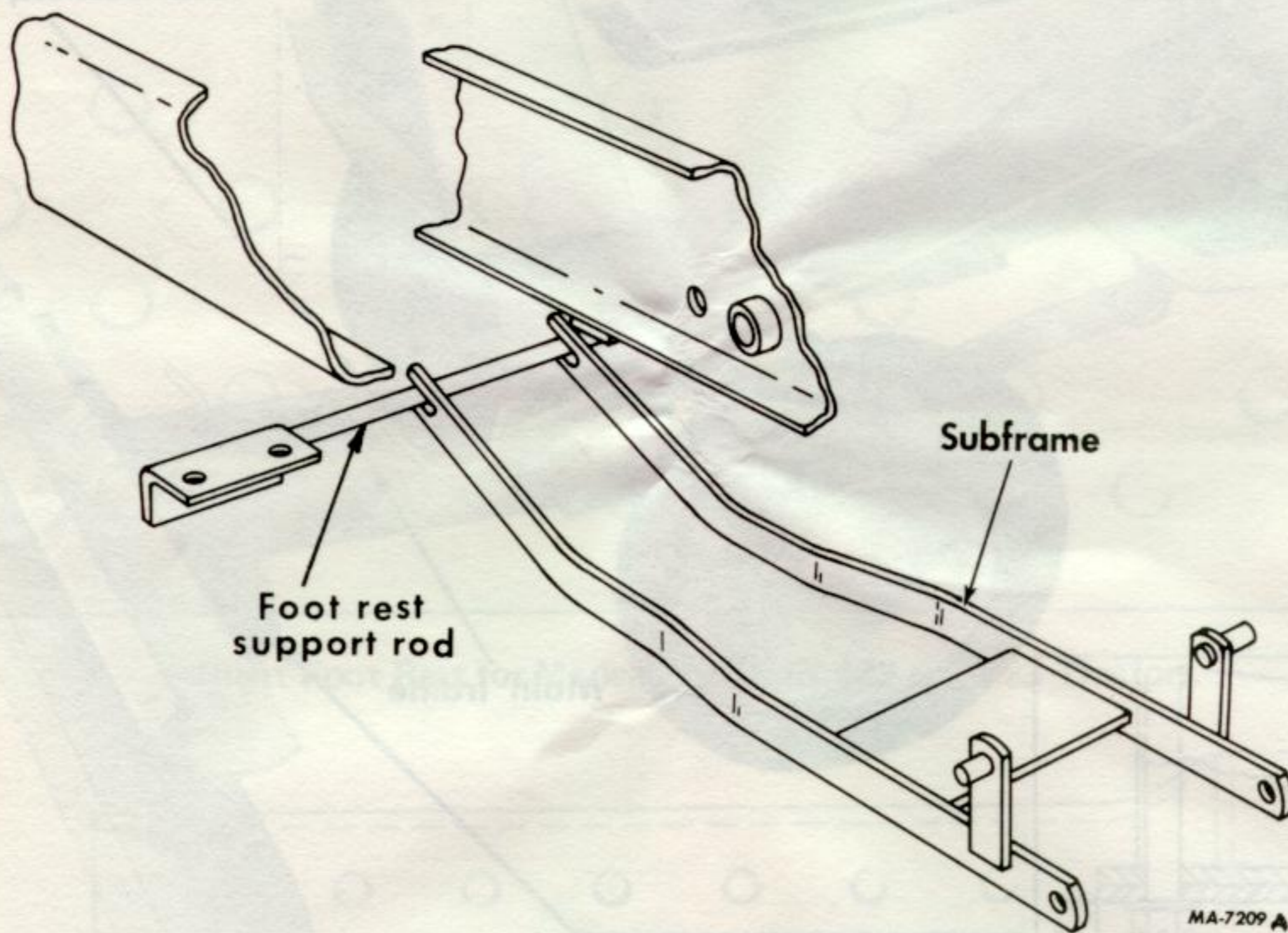
STEP 2. SUBFRAME

For International Cub Cadet Models 86, 108, 109, 128, 129, 149, 169, 800, 1000, 1200, 1250, 1450, and 1650; Serial Numbers 400,001 and up.

Attach the blade main frame to the subframe. It

will be necessary to spread the subframe to attach it to the main frame.

Place slotted ends of the subframe on the foot rest rod.



Foot rest
support rod

Subframe

MA-7209 A

One hex head screw
(3/8 x 1-3/8 inch)
and
ten flat washers

Right Foot Rest
for International Cub Cadet
and Models 70 and 71 Tractors.

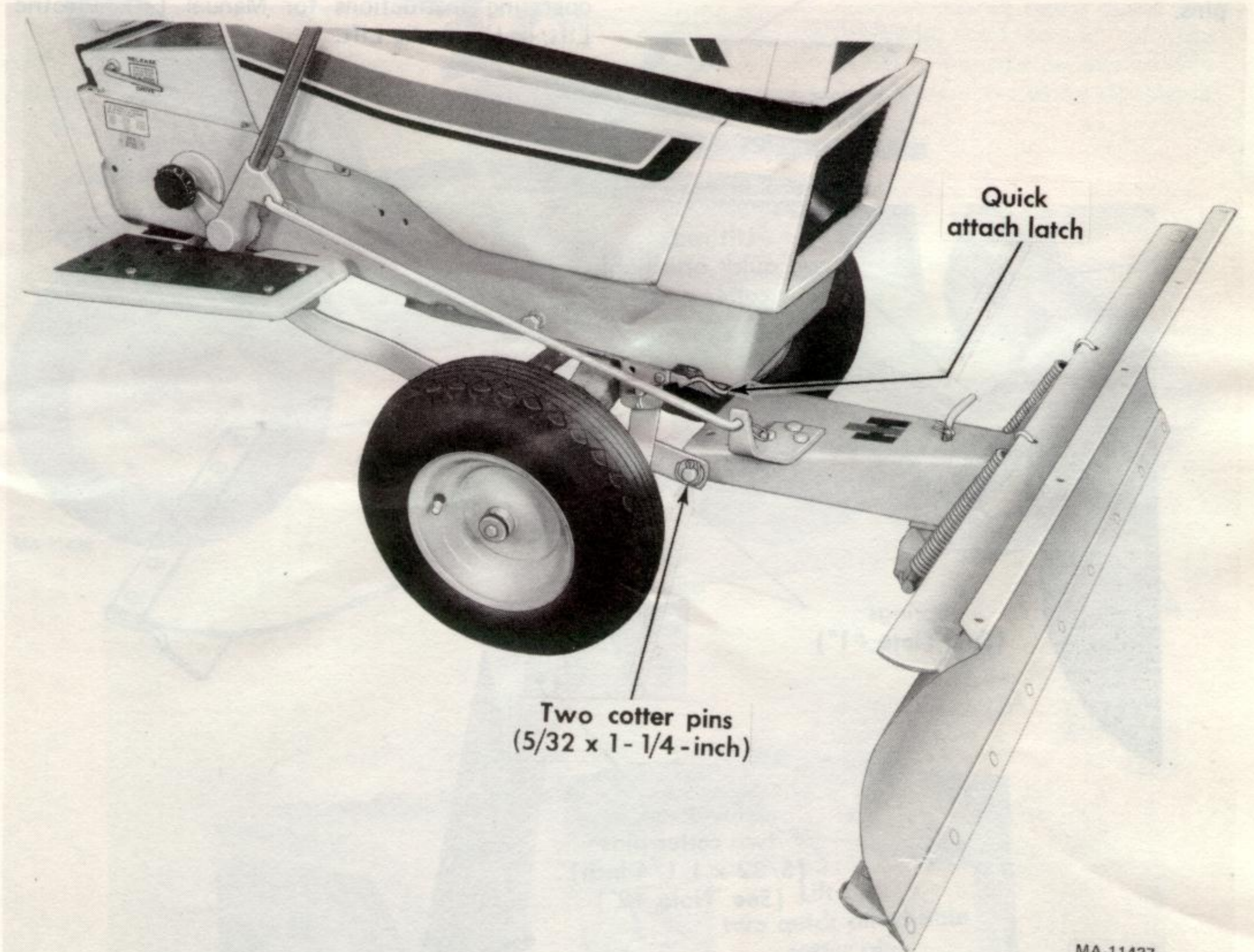
SETTING UP

Subframe Adapter Package (549 674 R92)

STEP 3. SUBFRAME AND MAINFRAME

Raise the blade subframe until it latches in place at the quick attach latch on the tractor frame.

Attach the blade main frame to the subframe as shown.



SETTING UP

Subframe Adapter Package (549 674 R92)

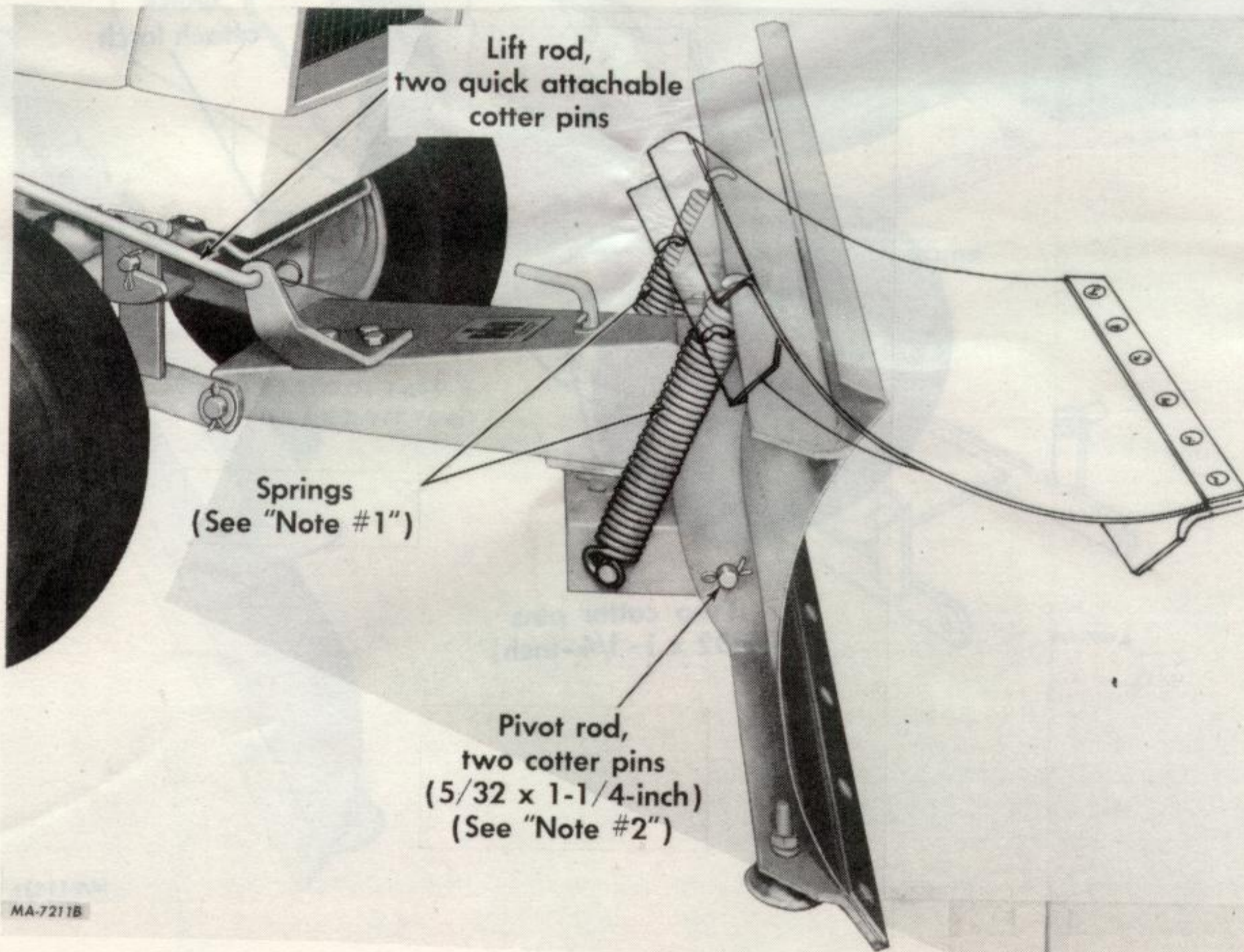
STEP 4. LIFT ROD, SPRINGS AND BLADE

NOTE #1: Pitch blade rearward and connect the springs.

NOTE #2: Pitch blade forward and down to attach pivot frame to blade, using pivot rod and cotter pins.

Attach the lift rod to the lift arm of the blade and to the lift handle or rockshaft arm, depending on the type of lift the tractor is equipped with.

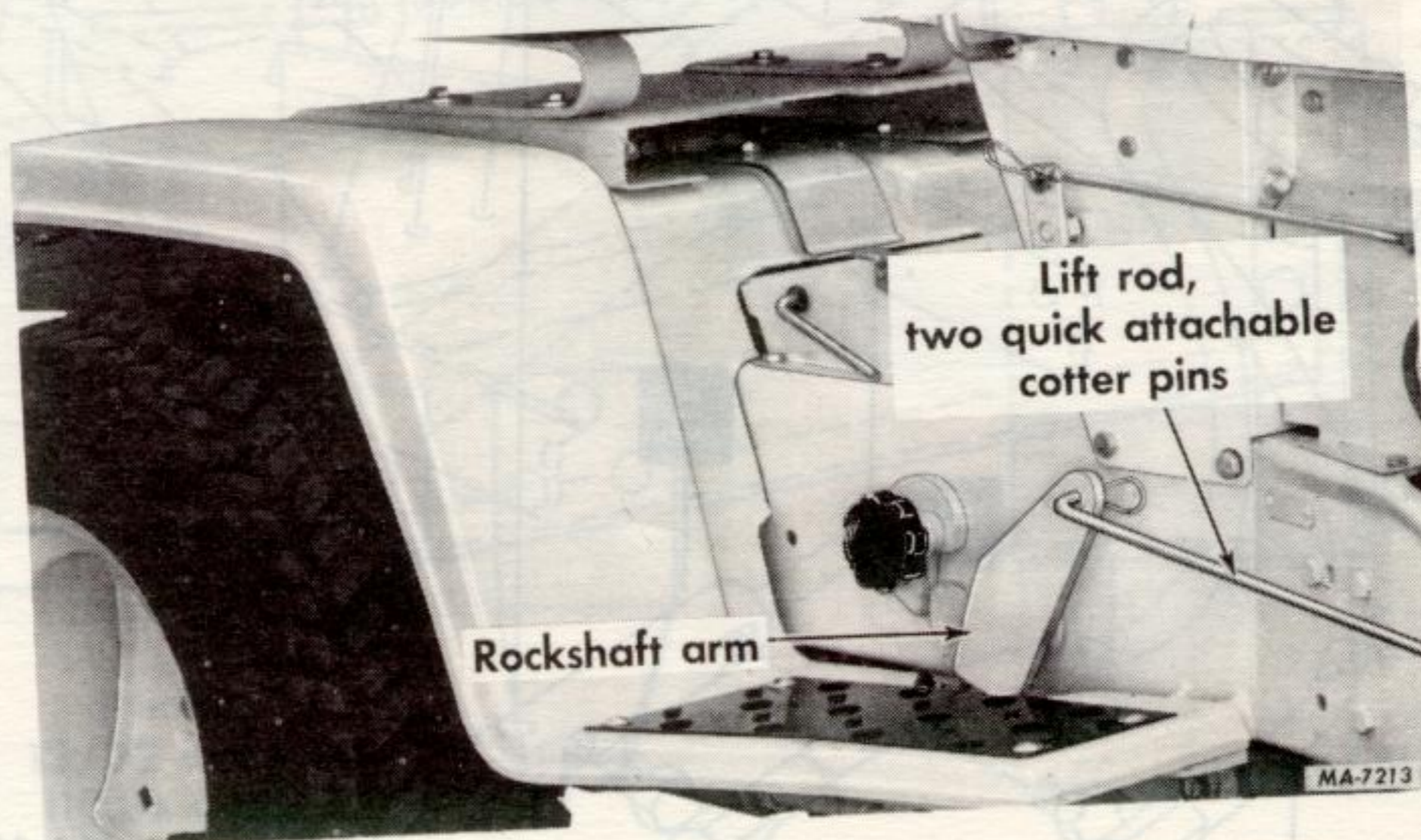
NOTE: Refer to the Operator's Manual for correct operating instructions for Manual Lift, Electric Lift, or Hydraulic Lift.



SETTING UP

Subframe Adapter Package (549 674 R92)

STEP 4. LIFT ROD, SPRINGS AND BLADE – Continued



OPTIONAL EQUIPMENT

HYDRAULIC ANGLED BLADE ATTACHMENT

This attachment is provided for hydraulic angling of the International 42 or 54-inch spring trip blade on International Cub Cadet 1250, 1450, and 1650 Hydrostatic Drive tractors equipped with front hydraulic outlets.

On models built in 1974 and earlier, holes must be drilled, as shown on diagrams, in the main frame and pivot frame before assembly of rear bracket (ref. no. 1) and front bracket (ref. no. 2) using each bracket as a template. Refer to the Operator's Manual for correct operating instructions.

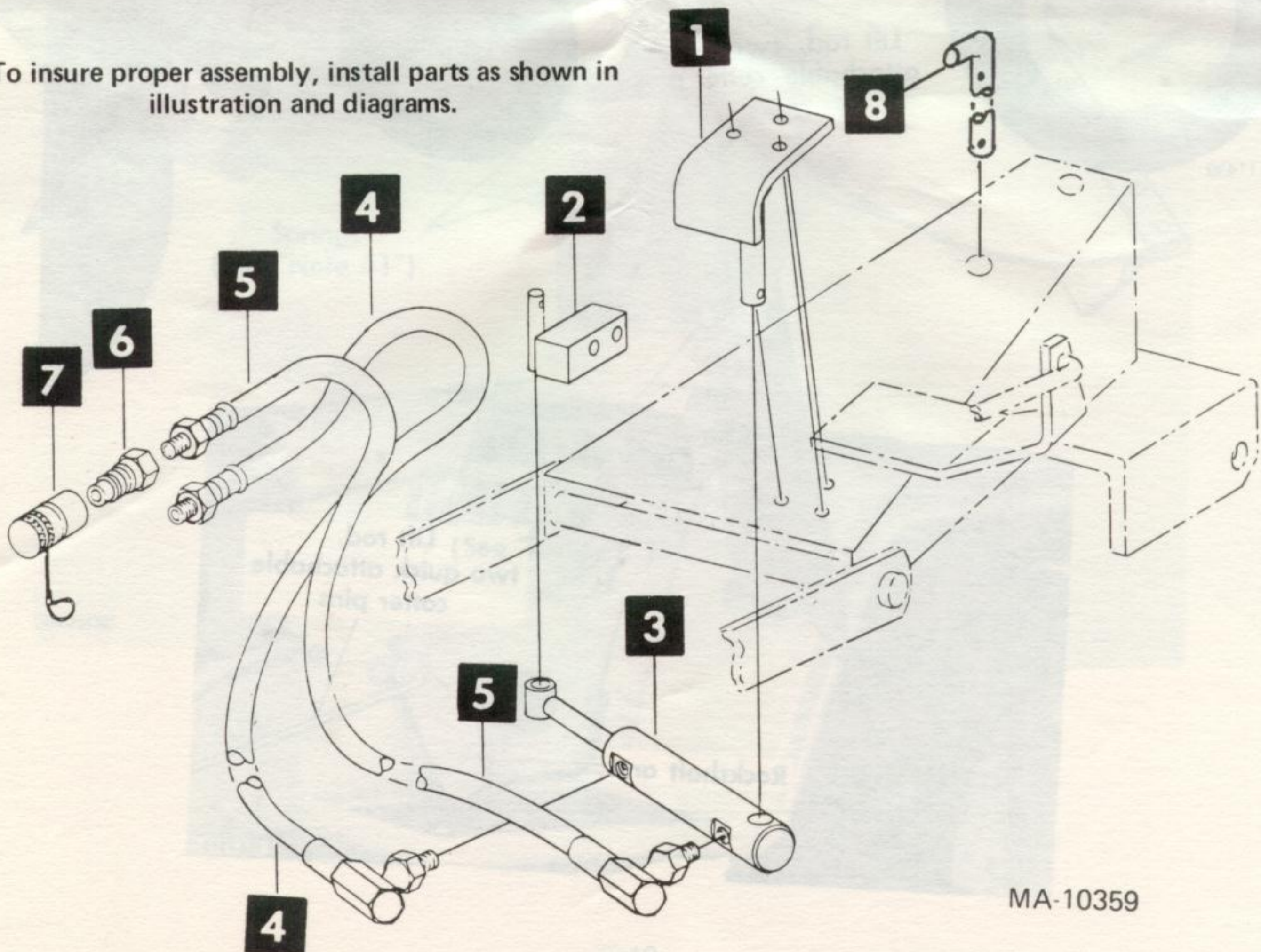
1. Install the rear bracket on to the main frame.
2. Install the front bracket on to the pivot frame.

3. Install the hydraulic cylinder.
4. Install the 15-inch (381 mm) hose in the cylinder port closest to the rod.
5. Install the 22-inch (558.8 mm) hose in the cylinder port closest to the mounting hole.
6. Assemble male connector to each hose.

NOTE: Before inserting into tractor coupling make certain they are clean and free of foreign matter. Either hose may be inserted into either coupling without impairing function.

7. Use caps when hydraulic coupling are not in use.
8. Remove and discard angling pin before attempting to operate cylinder.

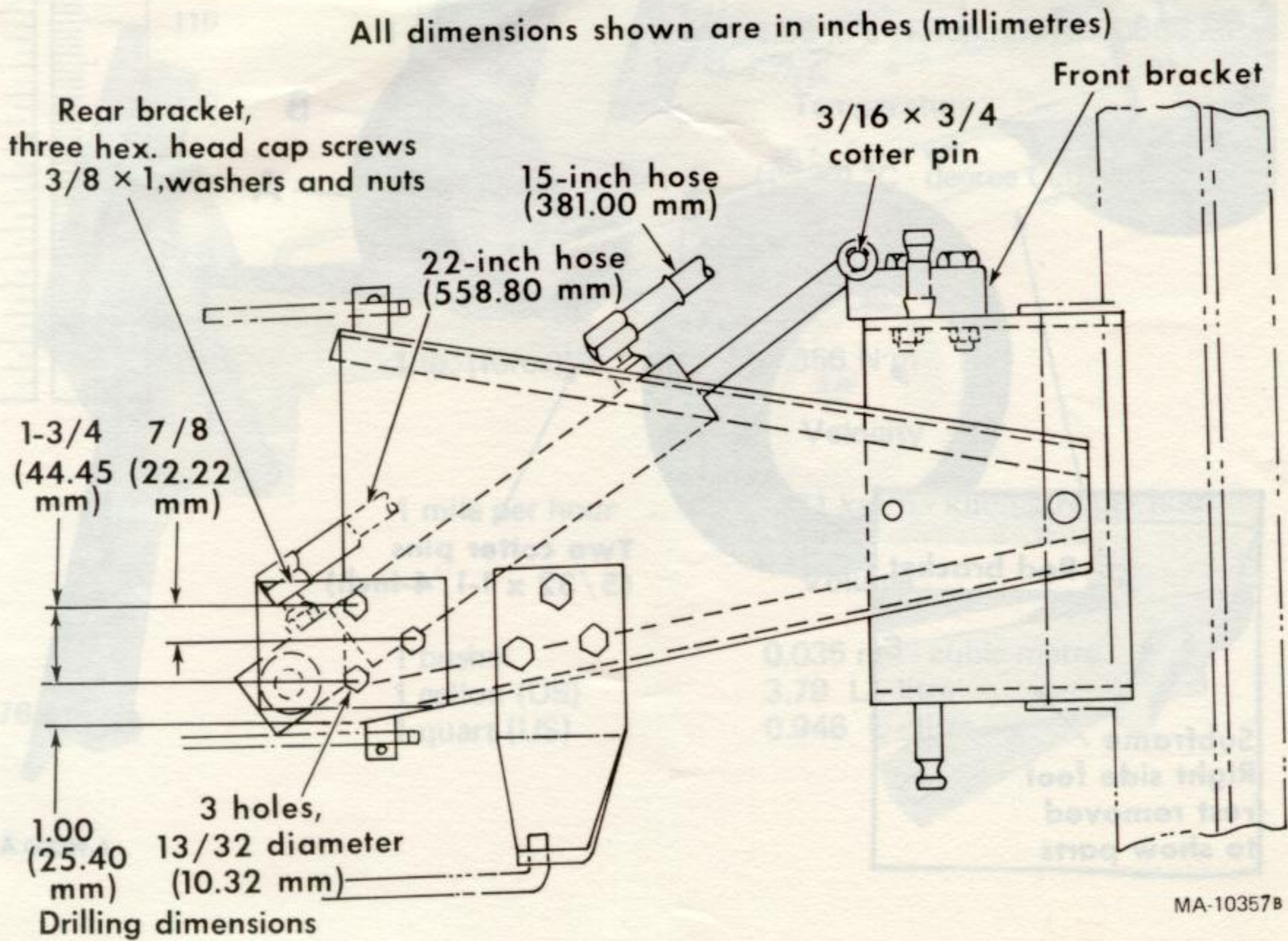
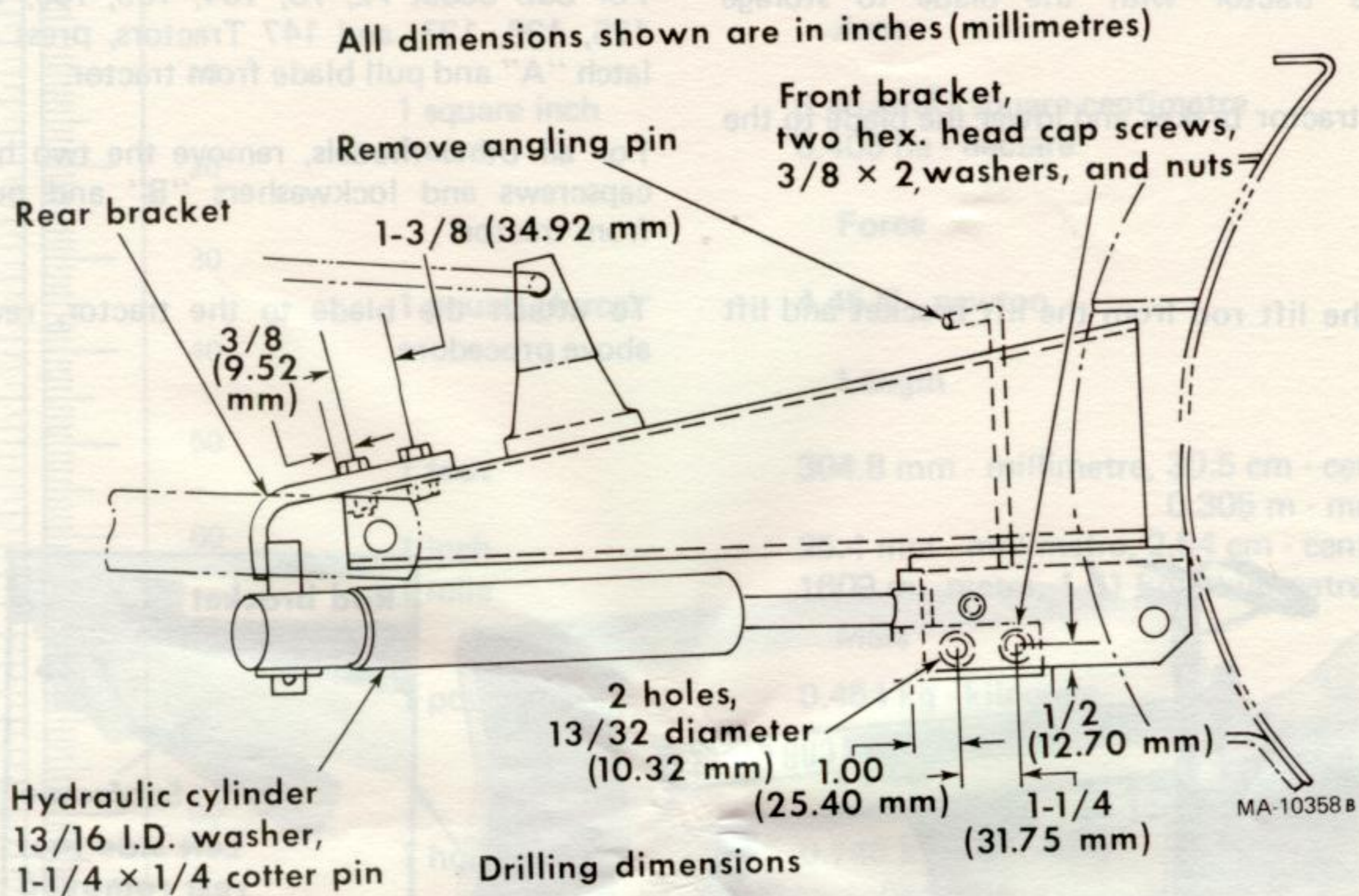
To insure proper assembly, install parts as shown in illustration and diagrams.



MA-10359

OPTIONAL EQUIPMENT

HYDRAULIC ANGLED BLADE ATTACHMENT
 - Continued



DETACHING AND ATTACHING

Drive the tractor with the blade to storage location.

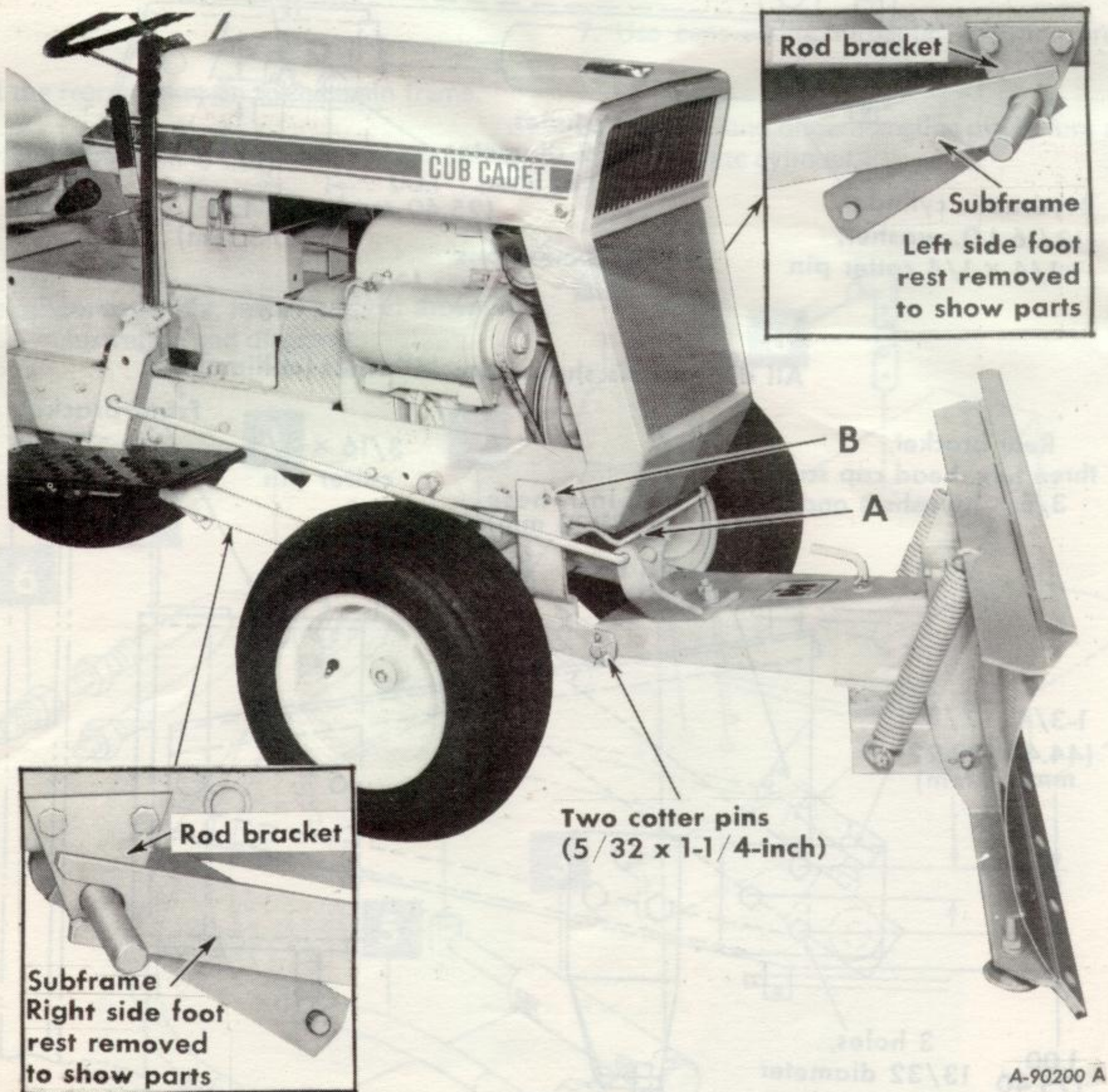
Lock the tractor brakes and lower the blade to the ground.

Remove the lift rod from the lift bracket and lift arms.

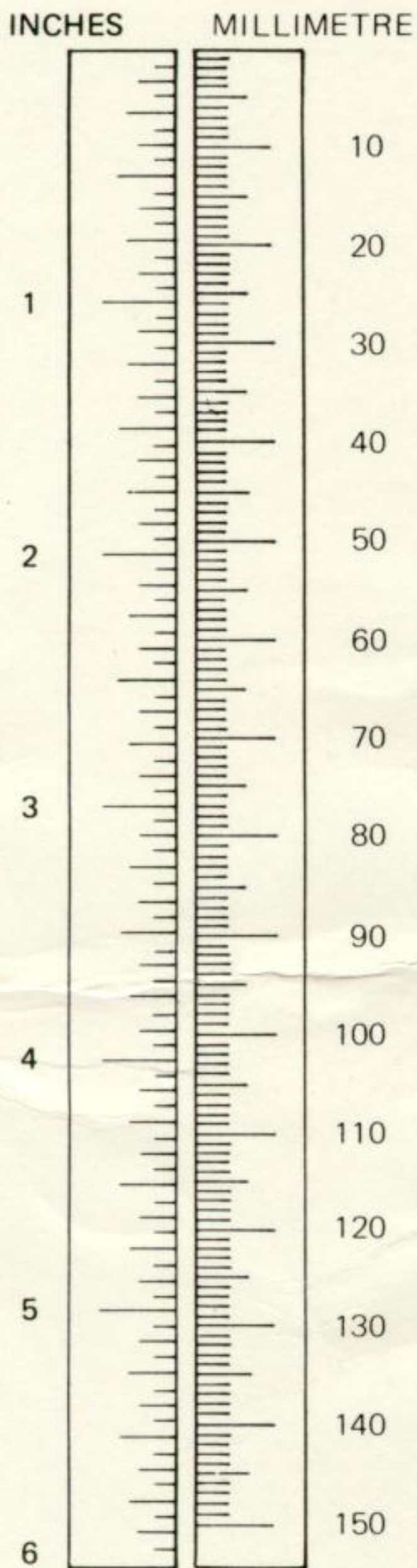
For Cub Cadet 72, 73, 104, 105, 106, 107, 124, 125, 126, 127, and 147 Tractors, press down on latch "A" and pull blade from tractor.

For all other models, remove the two hex. head capscrews and lockwashers "B" and pull blade from tractor.

To attach the blade to the tractor, reverse the above procedure.



METRIC (SI) MEASUREMENTS



English Unit

Metric Equivalent (SI)

Area

1 square inch
1 acre

6.45 cm² - square centimetre
0.405 ha - hectare

Force

1 pound (force)

4.45 N - newton

Length

1 foot

304.8 mm - millimetre, 30.5 cm - centimetre,
0.305 m - metre

1 inch

25.4 mm - millimetre, 2.54 cm - centimetre

1 mile

1609 m - metre, 1.61 km - kilometre

Mass

1 pound

0.454 kg - kilogram

Power

1 horsepower

0.746 kW - kilowatt

Pressure

1 psi

6.89 kPa - kilopascal, 0.00689 MPa - megapascal

Temperature

1 degree Fahrenheit

$\frac{(t - 32)}{1.8}$ °C - degree Celsius

Torque

1 lb. (force)-ft.

1.356 N·m

Velocity

1 mile per hour

1.61 km/h - kilometre per hour

Volume

1 bushel
1 gallon (US)
1 quart (US)

0.035 m³ - cubic metre
3.79 L - litre
0.946 L - litre

9-76.

