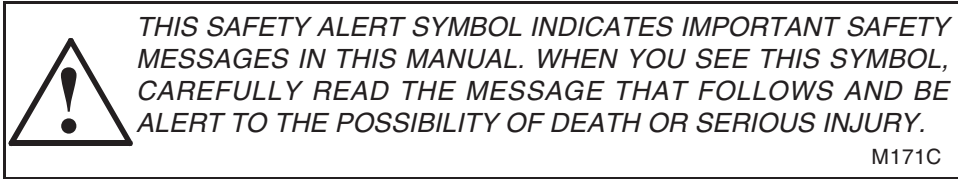


**STX Series
Steiger Tractors
STX 375, STX 425 and STX 450
P.I.N. JEE0099501 and after
Operators Manual**

Rac 6-6282





If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates an potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.

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GENERAL INFORMATION

INTRODUCTION TO THIS MANUAL

This manual contains important information about the safe operation, adjustment and routine maintenance of your Case STX Series Steiger Tractor. The manual is divided into ten sections as outlined in the General Table of Contents Page(s). Refer to the Detail Index at the end of this manual for locating specific items about your tractor.

Use this manual as a guide. Your tractor will remain a reliable working machine as long as it is kept in good working condition and serviced properly.

Read this manual before you start the engine or operate this tractor. If any information in this manual is not understood, or if you need more information or assistance, contact your dealer. All persons training to operate, or who will be operating this tractor, should be old enough to possess a valid local vehicle operating permit (or other applicable local age requirement) and must have demonstrated the ability to operate and service the tractor correctly and safely.

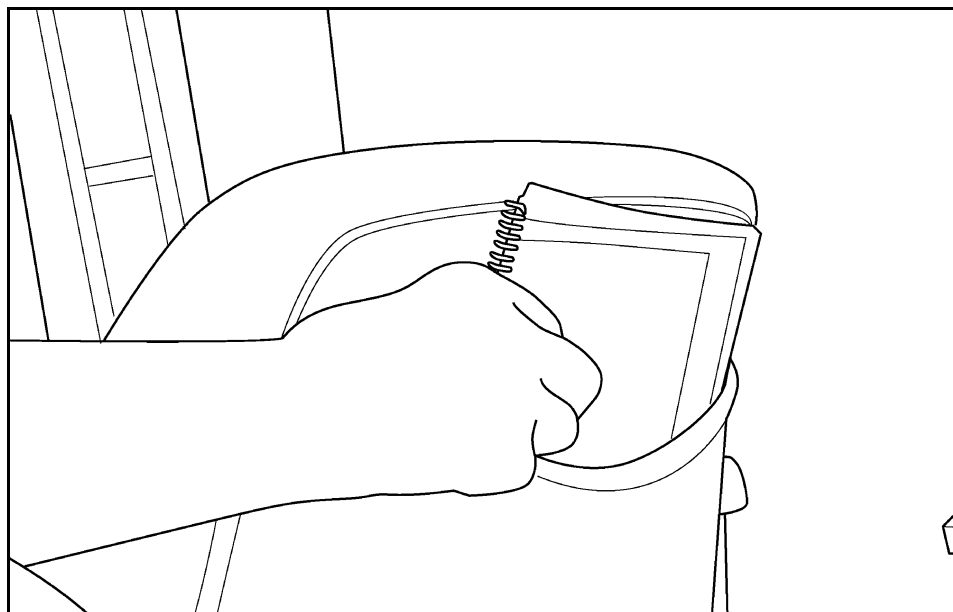
If your tractor requires replacement parts, do not use unauthorized parts or substitute materials. Case Corporation dealers stock Case approved service parts and have technicians with special training that know the best methods of repair and maintenance for your tractor.

STATEMENT OF TRACTOR INTENDED USE

The Steiger STX Series Tractor, with standard equipment and authorized attachments, is intended to be used for customary farming, land leveling and related agriculture operations.

Installation of utility (dozer) blades, front loaders or push bars on the tractor is not recommended. Any tractor damage resulting from the installation and/or use of such equipment is not covered by the tractor warranty.

OPERATOR MANUAL STORAGE COMPARTMENT



MK99H025

DO NOT permit anyone to operate or service this tractor until you or other operators have read this manual. The Operators Manual is a part of your tractor and must be available to all operators. Make sure the manual is complete and in good condition.

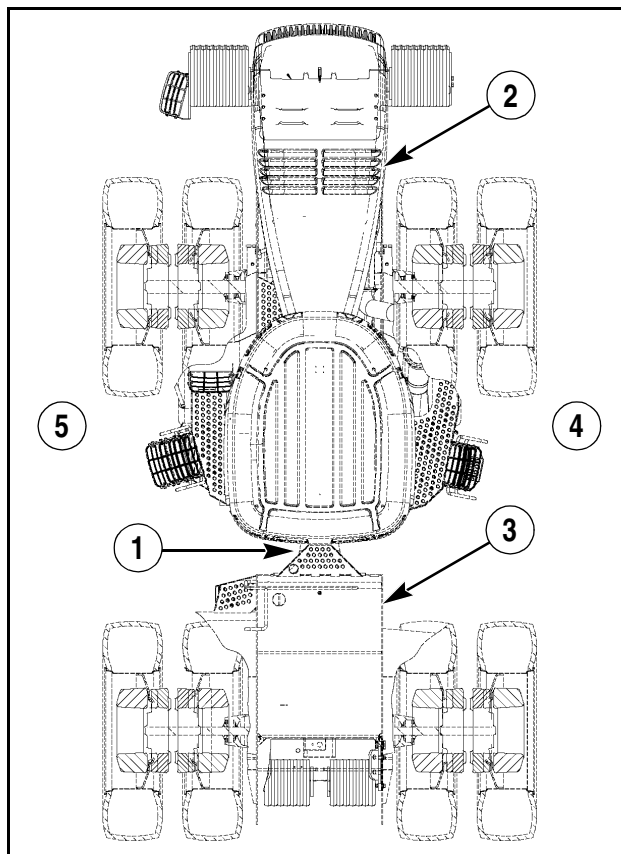
Store the Operators Manual and other important tractor information in the storage compartment provided on the rear side of the seat backrest.

TRACTOR ORIENTATION

The STX Series Steiger Tractor is classified as a four-wheel drive articulating vehicle. The standard tractor consists of front and rear frame assemblies that steer by pivoting at the center articulation joint (1).

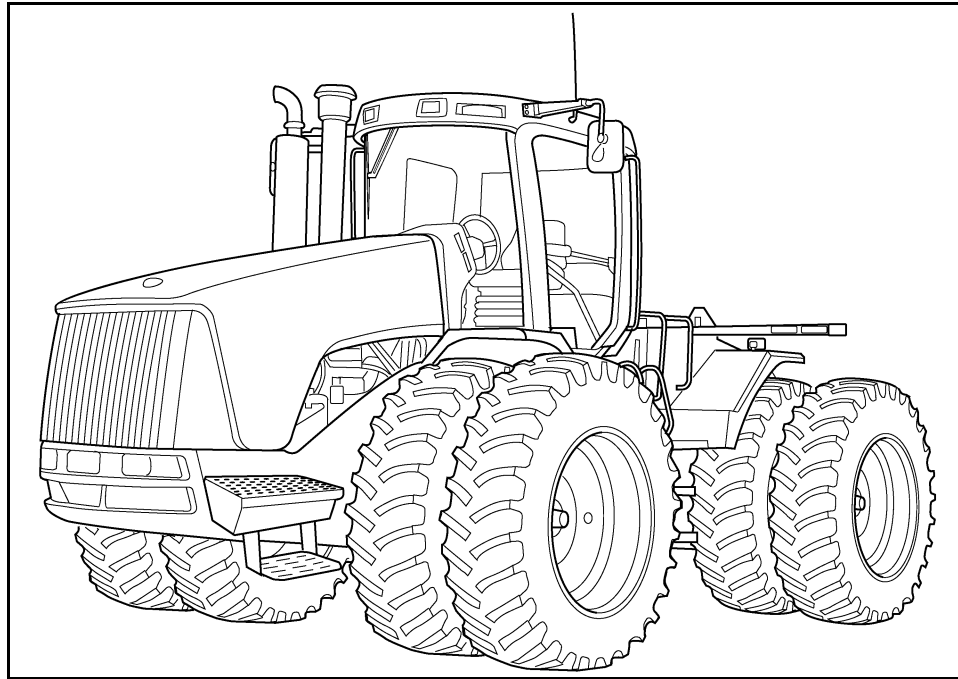
The standard tractor front frame (2) incorporates the engine, front axle, transmission and cab. The rear frame (3) incorporates the rear axle and fuel tank.

The right hand (RH) (4) and left hand (LH) (5) side of the tractor as used in this manual are the same as your right hand and left hand when sitting in the operators seat looking forward over the engine.



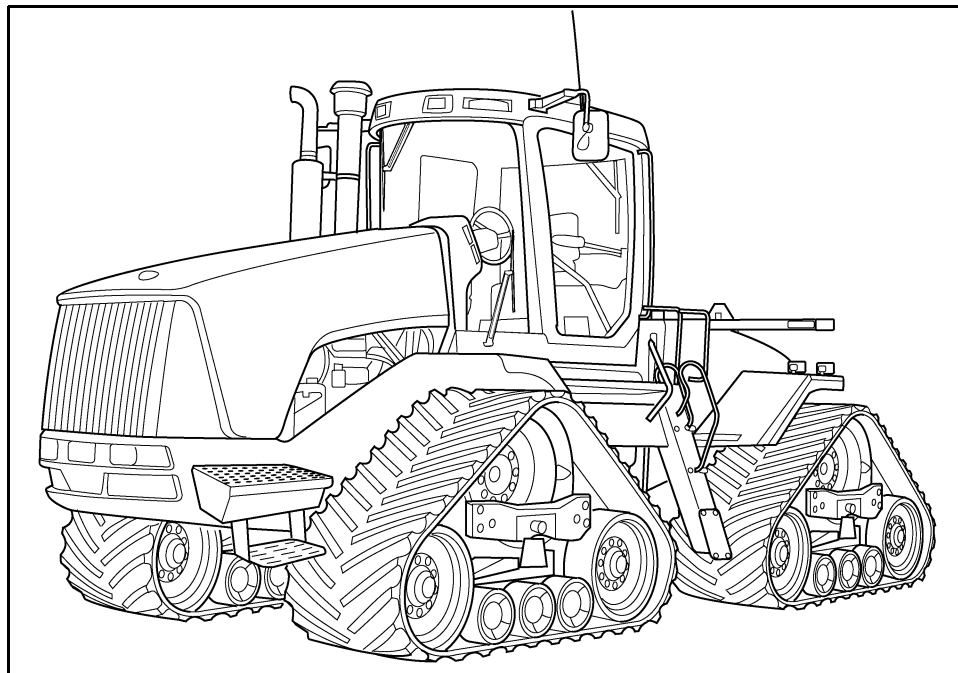
MA00A013

STX SERIES STEIGER TRACTORS



MK99M005

MODEL STX 375 - STX 425 - STX 450 TRACTOR



MK99M014

MODEL STX 375 - STX 425 - STX 450 QUADTRAC TRACTOR

PRODUCT IDENTIFICATION AND SERIAL NUMBERS

Write your machine Model Number, Product Identification Number (P.I.N.) and Serial Numbers of major components on the lines provided. If needed,

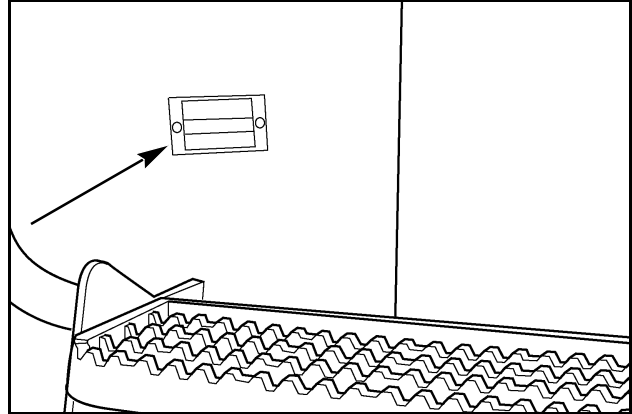
give these numbers to your dealer when you need parts or information for your machine.

TRACTOR MODEL AND PRODUCT IDENTIFICATION NUMBERS

Model: _____

P.I.N. * JEE: _____

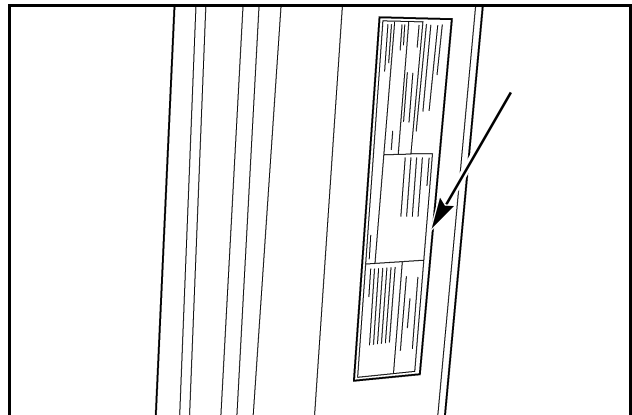
Located on rear side of LH front fender.



MK98N038

ROPS SERIAL NUMBER

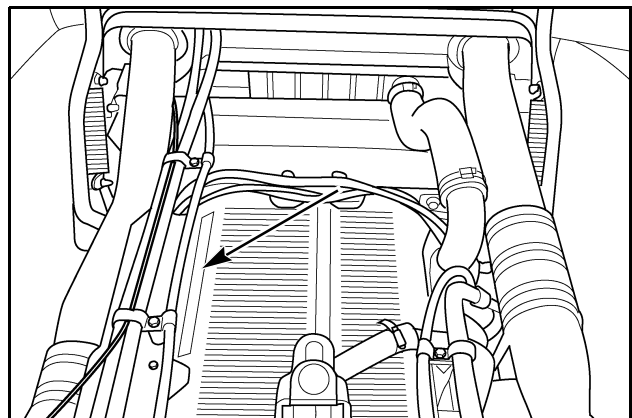
Located under the cover of the LH front ROPS post.



MK01G271

ENGINE SERIAL NUMBER

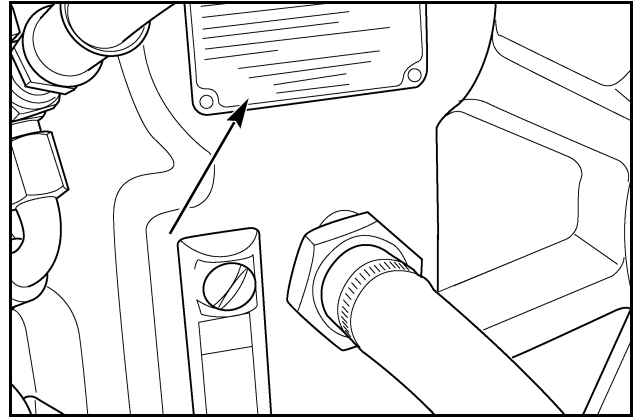
Located on top LH side of engine.



MK00D359

TRANSMISSION SERIAL NUMBER

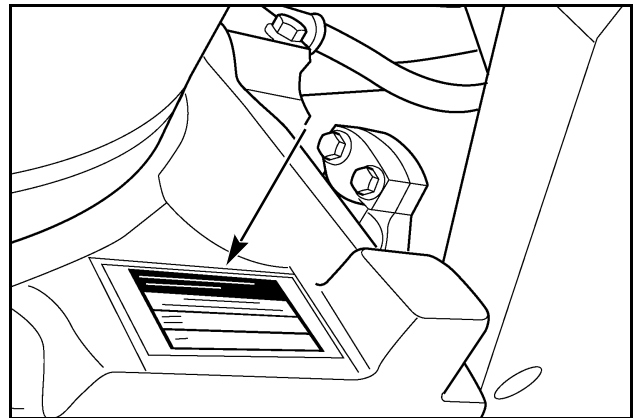
Located on the LH rear side of the transmission.



MK98C005

AXLE SERIAL NUMBER - STX 375 STANDARD

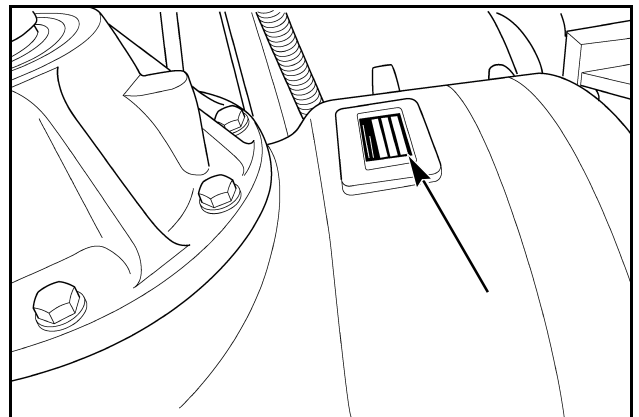
Located on the side of the front and rear axle center housing.



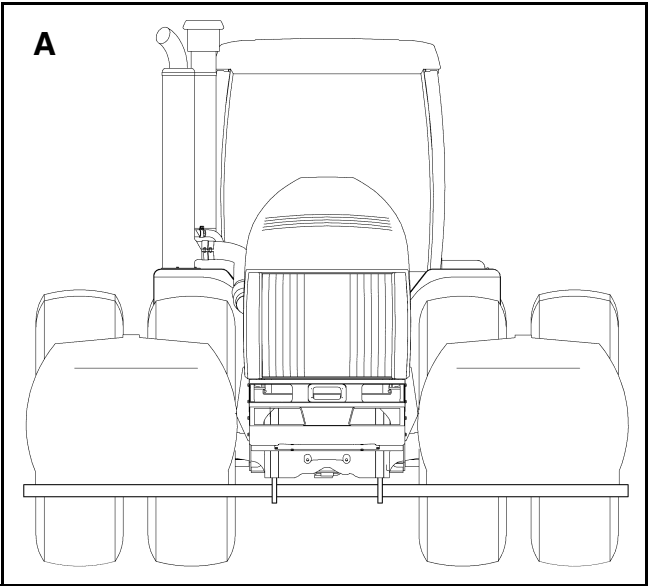
MK99K097

AXLE SERIAL NUMBER - STX 375 HD, STX 425 AND STX 450

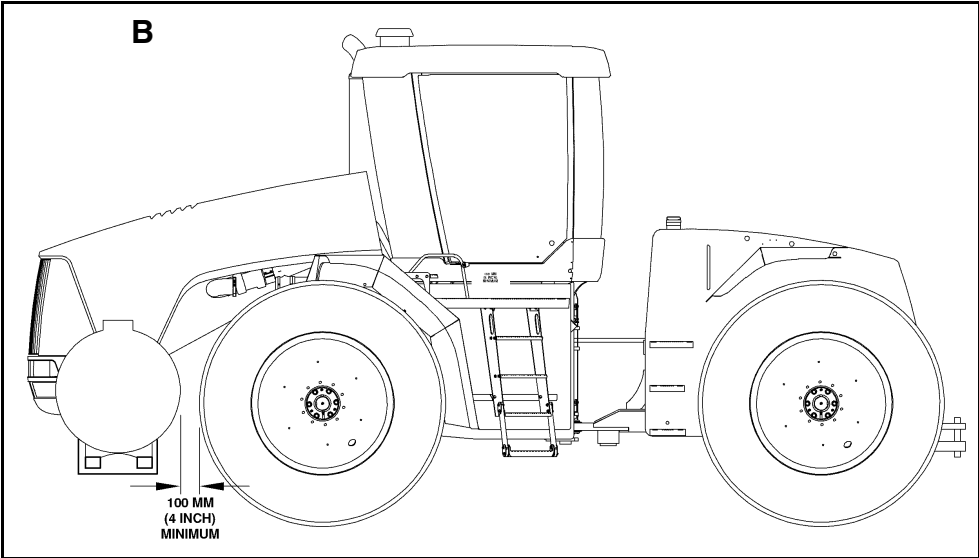
Located on the final drive housing.



MK98E008

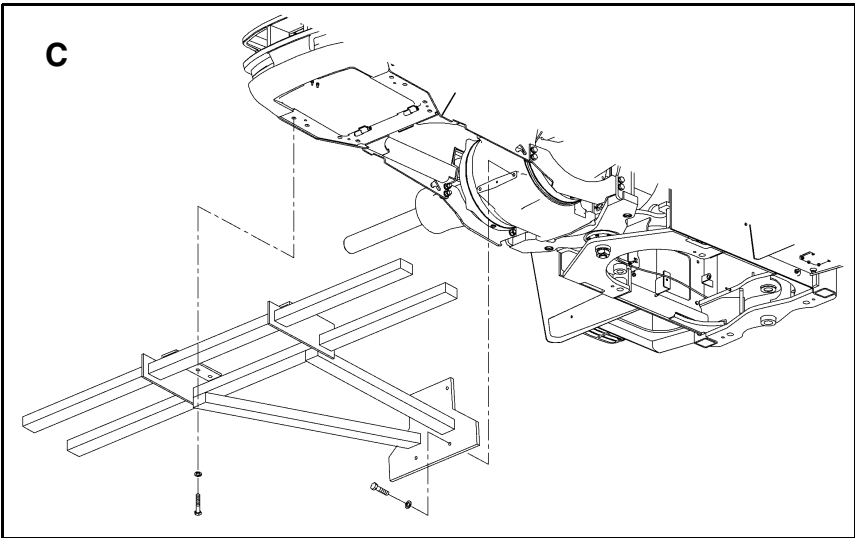


MA00K025



100 MM
(4 INCH)
MINIMUM

MA00K026



MA00K027

CHEMICAL TANK MOUNTING



WARNING: ADDITIONAL CARE MUST BE TAKEN WHEN OPERATING A TRACTOR WITH CHEMICAL TANKS. OPERATING, HANDLING AND BRAKING PERFORMANCE OF THE TRACTOR MAY BE AFFECTED. AVOID HIGH SPEED OPERATION. TRAVEL SPEED SHOULD BE SUCH THAT COMPLETE CONTROL AND MACHINE STABILITY IS MAINTAINED AT ALL TIMES

M418

Chemical tanks and mounting are not factory supplied. Chemical tanks can be mounted on each front side of the tractor. The maximum tank capacity for side mounted installation is two 350 gallon (1326 liter) tanks.

To avoid structural damage, vendor supplied chemical tanks must be installed according to the following instructions:

1. Side mounted chemical tanks must be mounted in pairs with a rigid structure supporting both tanks (A). Side tanks must be interconnected so that the fluid level is the same in both tanks at all times.
2. Chemical tanks must be mounted as close to the front axle as possible. Front wheel tread setting is not affected by side tank installation, however the shape and/or size of the tanks can be affected by the required 100 mm (4 inch) minimum clearance in front of the tires (B).
3. The tank support structure must be attached to the front frame belly pan in the same location as the front suitcase weight support frame using class 10.9 fasteners (C).

IMPORTANT: *The tanks MUST NOT be individually supported by the tractor side frames.*

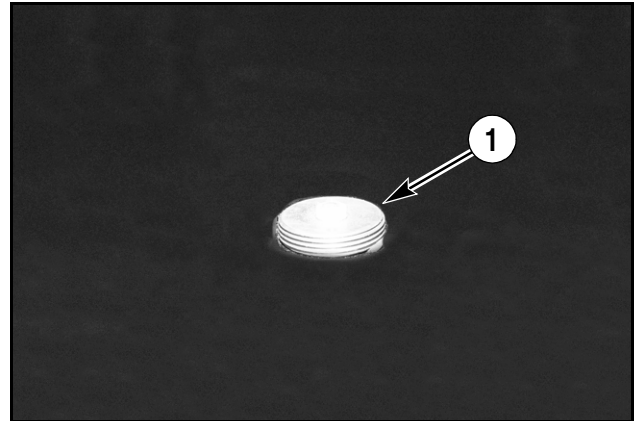
4. To reduce the dynamic forces associated with chemical tanks, the tank support structure must also have a rigid type brace extending from each side of the tank support structure to the front side of the front axle center housing. Use the existing pre-drilled and tapped 20 mm holes in the center housing to attach the braces using class 10.9 fasteners (C).
5. Front tanks must be mounted to allow the cleanout trap door to open and allow unrestricted access to all service points.
6. Refer to the Tire Load And Inflation Tables in this manual for the correct tire size and load capacity for your application. Tires must be inflated to the correct load capacity to support the added weight. To avoid exceeding tire load capacity, remove all front wheel weights.
7. Each U.S. gallon (3.8 liter) of tank capacity will add approximately 14 lb (6.3 Kg) to the front axle weight and decrease rear axle weight. DO NOT exceed tire or tractor maximum operating weights.

IMPORTANT: *Tanks filled to capacity must not be used as primary ballast for heavy tillage operation.*

NOTE: *A generic chemical tank support structure is illustrated only to show acceptable attaching points. Final support structure design and testing is the responsibility of the manufacturer.*

BUSINESS BAND RADIOS

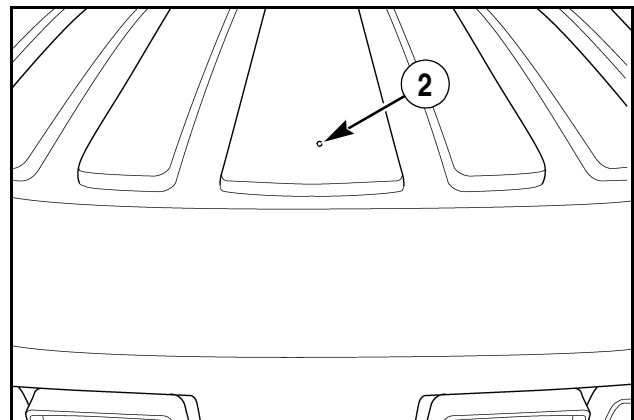
Provisions for installing business band radios have been provided for tractors equipped with the Deluxe cab. The antenna mast mounting threaded spud (1) and antenna lead wire are factory installed in the roof of the cab approximately 2 inches (50 mm) under the cab roof.



MK00E040

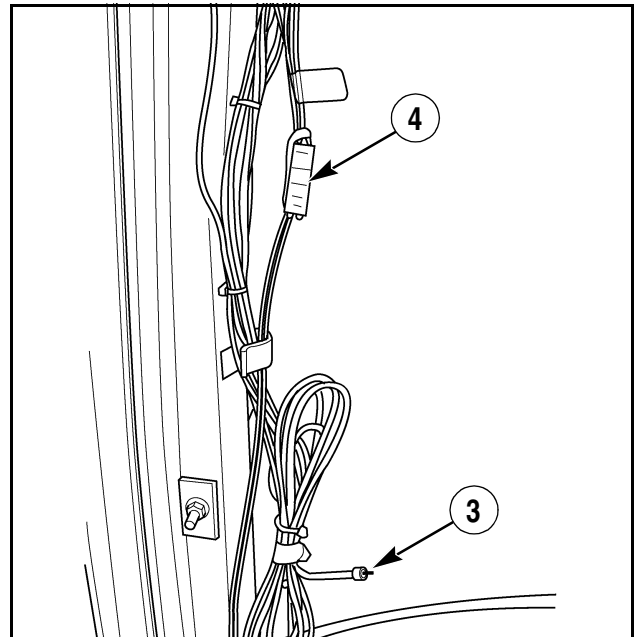
A locating dimple (2) in the cab roof marks the location for drilling the hole for the antenna mast.

NOTE: The antenna mast for a one-quarter (1/4) wave UHF business band radio must be purchased locally.



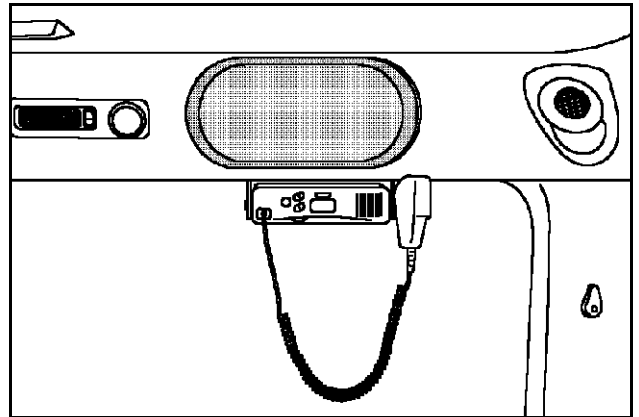
MK00E007

The radio antenna lead wire (3) and power and ground connector (4) are located under the right side rear ROPS post trim cover.



MK00E041

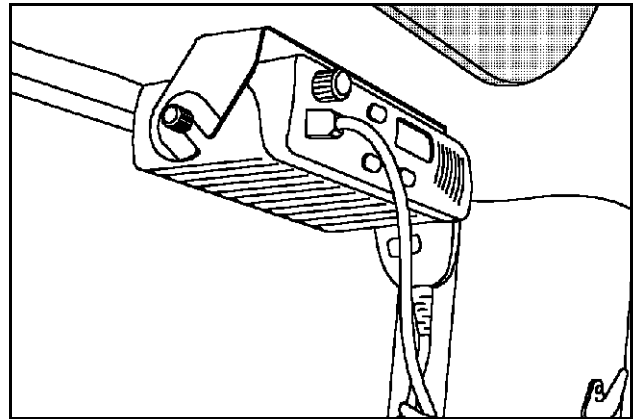
The recommended location for mounting the business band radio is under the RH stereo speaker box. The mounting bracket supplied with the radio must be used.



RI01009

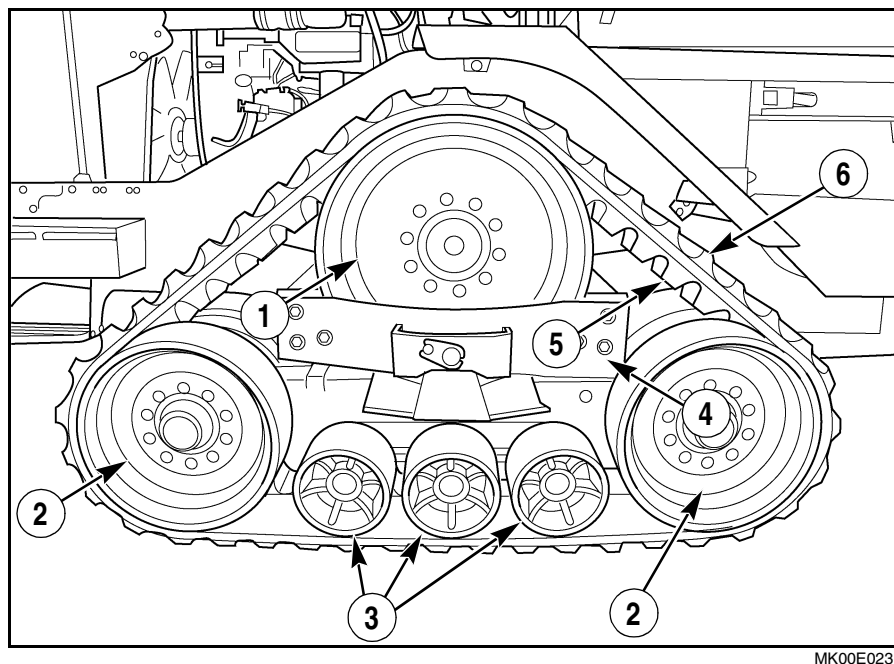
If necessary, the stereo speaker may be removed to install the radio mounting bracket.

NOTE: See your dealer for additional information and procedures for installing a business band radio.



RI01D008

PRE-CONDITIONING NEW TRACKS (IF EQUIPPED)



1. DRIVE WHEEL
2. IDLER WHEEL

3. ROLLER WHEELS
4. UNDERCARRIAGE

5. BELT DRIVE LUGS
6. BELT TRACTION LUGS

TRACK AND UNDERCARRIAGE

Pre-Conditioning Rubber Tracks

New rubber tracks must be pre-conditioned **BEFORE** initial use and before roading the tractor on clean hard roads to reduce accelerated belt scuffing.

New tracks should be pre-conditioned with dirt or some other non-caustic particulate material. This is done by spreading a thin layer of the material over the entire undercarriage engaging surface of the belts and driving the tractor slowly for a brief time. The silica present in dirt or similar material will act as a lubricant and help the track conditioning process.

Conditioning may need to be done more than once if the tractor is roaded for extended distances.

After initial conditioning, the tractor should be operated in normal tillage operations to further condition the tracks. The track conditioning process should be closely monitored for the first 150 hours of service. After a reasonable amount of field time the drive lug contact areas will **SURFACE-HARDEN** and become more resistant to heat and scuffing.

If accelerated scuffing should occur with high heat on the drive lugs, see Track Alignment and Track Rotation section of this manual or contact your dealer for service.

Hard Surface Road Transporting

Long distance, hard surface roading of QUADTRAC model tractors carrying **HEAVY LOADS** such as; full chemical tanks, TPH mounted equipment, or loaded scrapers must be avoided whenever possible.

High speed roading for long distances with heavy loads can cause the tracks to overheat and cause severe damage.

If hard surface road transporting of heavy equipment cannot be avoided, the operator **MUST** reduce speed periodically during transport to allow the tracks to cool, and/or pull over and stop to check the tracks for overheating.

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