

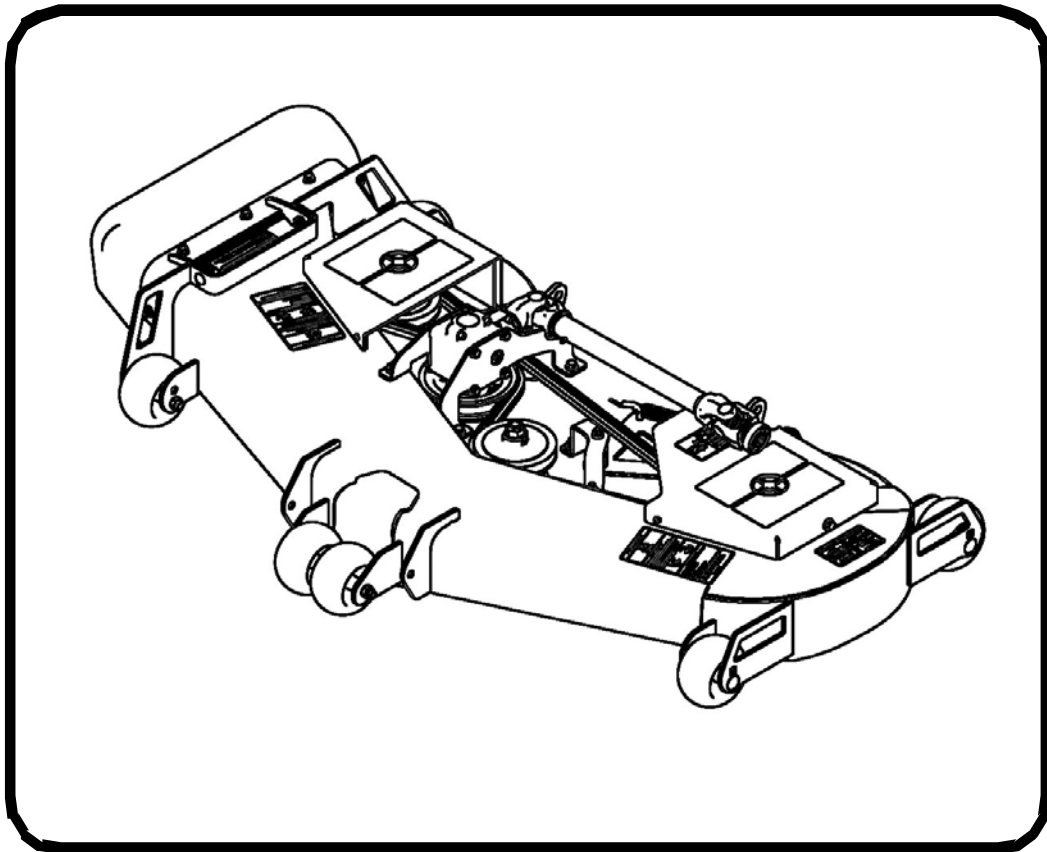


Bobcat®

Operation & Maintenance Manual

Mid-Mount Finish Mower

(Mower Mid MM54) S/N AB4D00101 & Above
(Mower Mid MM66) S/N AB4C00101 & Above



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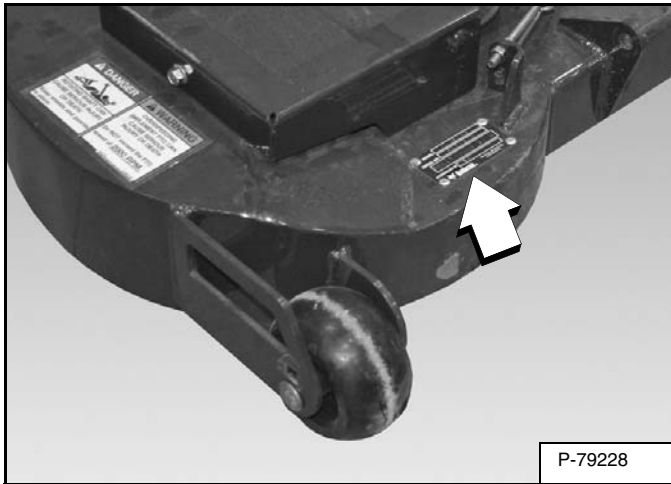
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SERIAL NUMBER LOCATION

Attachment Serial Number

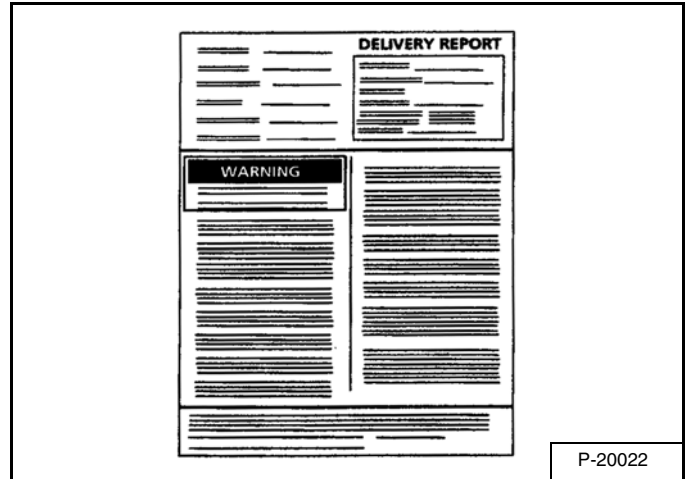
Figure 1



Always use the serial number of the mid-mount finish mower when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation [Figure 1].

DELIVERY REPORT

Figure 2

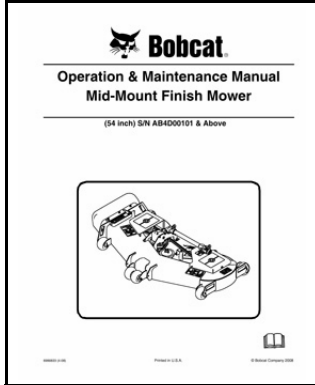


The delivery report [Figure 2] must be completed by the dealer and signed by the owner or operator when the Bobcat mid-mount finish mower is delivered. An explanation of the form must be given to the owner.

PUBLICATIONS AND TRAINING RESOURCES

The following publications are also available for your Bobcat attachment. You can order from your Bobcat dealer.

For the latest information on Bobcat products and the Bobcat Company, visit our web site at www.bobcat.com



OPERATION & MAINTENANCE MANUAL

6986833

Complete instructions on the correct operation and the routine maintenance of the Bobcat attachment.



SERVICE MANUAL

6986907

Complete maintenance and overhaul instructions for your Bobcat attachment.



AEM SAFETY MANUAL

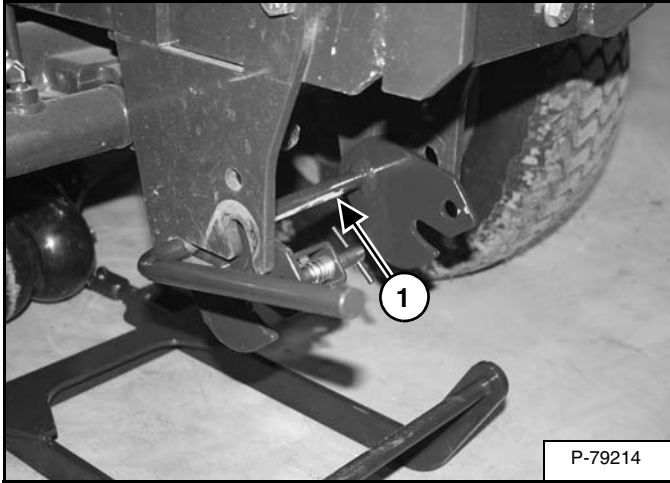
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OPERATING PROCEDURE WITH COMPACT TRACTORS (CONT'D)

Installation (Cont'd)

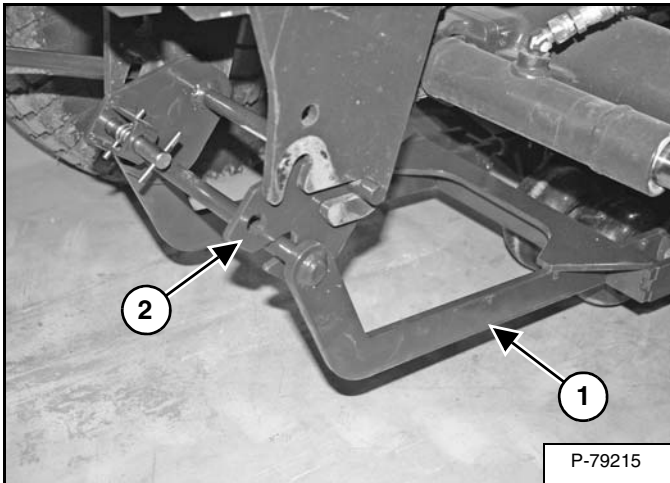
Installing The Mower Mid MM54 (Cont'd)

Figure 15



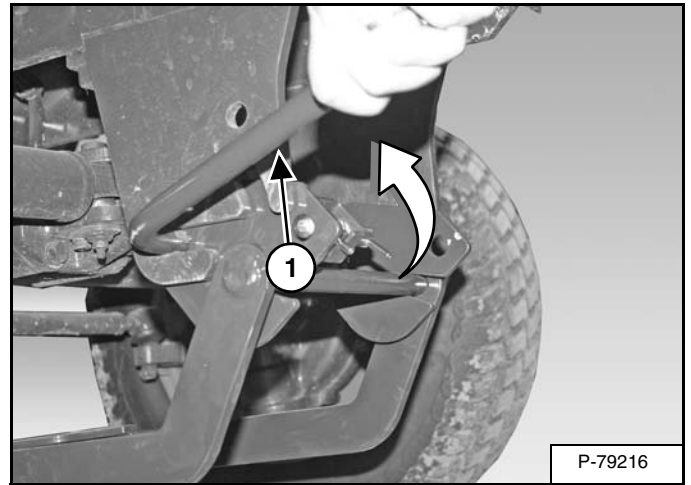
Install the front locking bar (Item 1) [Figure 15].

Figure 16



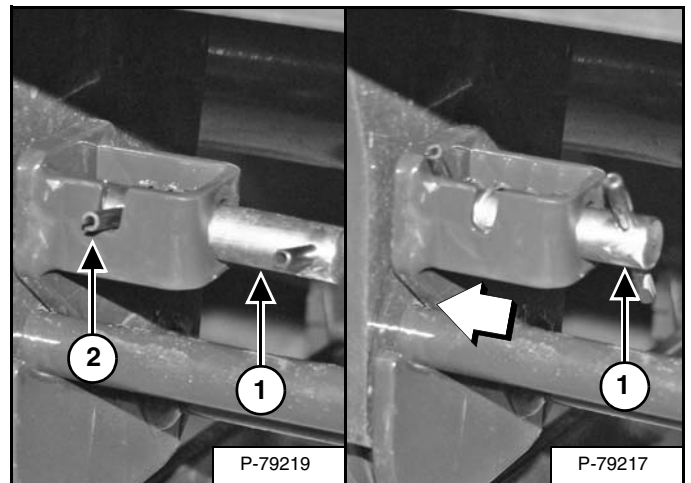
Install the front deck mount (Item 1) into the front frame mount (Item 2) [Figure 16].

Figure 17



Rotate the lever (Item 1) [Figure 17] up into the locked position.

Figure 18



Rotate locking pin (Item 1) up to release the locking pin from the storage position (Item 2) [Figure 18] allowing the locking pin to spring forward securely locking the front frame mount in the locked position.

Adjust cutting height. (See Cutting Height Adjustment (All Mowers) on Page 32.)

OPERATING PROCEDURE WITH COMPACT TRACTORS (CONT'D)

Removal

Disengaging Mid-PTO

Move the engine speed lever back to the low idle position. Press the brake pedals and press down fully on the clutch pedal (if applicable).

Disengage the rear-PTO system.

Slowly release the clutch pedal (if applicable).



AVOID INJURY OR DEATH

Before you leave the operator's seat:

- **Fully lower the loader arms, put the attachment flat on the ground (if equipped).**
- **Fully lower the implement(s) to the ground (if equipped).**
- **Lock brake pedals together and engage the parking brake.**
- **Place F-N-R lever in neutral (SST models only).**
- **Place all controls in neutral.**
- **Stop the engine, unfasten the seat belt and remove the key.**

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Park the compact tractor / mower on flat level ground.


Lock brake pedals together and engage the parking brake.

Place all controls in neutral, stop the engine and exit the compact tractor.

Install blocks in front of and behind the rear tires on the compact tractor. (See your compact tractor's Operation & Maintenance Manual for blocking the compact tractor tires.)

TROUBLESHOOTING

Chart

| | |
|--|---|
|  WARNING | Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death. |
|--|---|

W-2003-0807

Use the following troubleshooting chart to locate and correct problems which most often occur with the attachment.

| TROUBLESHOOTING THE MID-MOUNT FINISH MOWER | | |
|--|---|-------------------------------------|
| PROBLEM | CAUSE | CORRECTION |
| Poor cutting. | Travel speed too fast. | Reduce travel speed. |
| | Damaged motor. | Repair or replace motor. |
| | Low blade rpm. | Increase rpm. |
| | Blade belt slipping. | Adjust belt to correct tension. |
| | Blades dull. | Sharpen or replace the blades. |
| Blades will not rotate. | Worn or broken blade belt. | Replace belt. |
| | PTO driveline disconnected. | Connect PTO driveline. |
| Vibration. | Build up of material on the bottom of the mower deck. | Clean the bottom of the mower deck. |
| | Loose or cracked hardware. | Repair or replace as needed. |
| | Blades worn or broken. | Replace the blades. |
| | Blade spindles bent. | Replace spindles. |
| | Blades not balanced. | Balance or replace blades. |

MACHINE SIGN TRANSLATIONS

Danger (7161602)

⚠ DANGER



THROWN OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH

- Clear mowing area of debris.
- Never operate mower in vicinity of other persons. Objects can be thrown more than several hundred feet.
- Keep all shields installed. Repair or replace if damaged or missing.
- Check blades and mounting hardware. Replace if damaged. Never weld or modify.



ROTATING BLADES CAN CAUSE SERIOUS INJURY OR DEATH

- Never put hands, feet or objects into or under mower when engine is running.
- Keep bystanders away.
- No riders.
- Stop engine before servicing.

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⚠ PELIGRO



LOS OBJETOS ARROJADOS PUEDEN PROVOCAR LESIONES GRAVES O LA MUERTE

- Limpie los desechos del área a segar.
- No utilice la segadora cerca de otras personas. Los objetos pueden ser arrojados a varios metros de distancia.
- Mantenga los dispositivos de protección instalados. Si se encuentran pérdidas o daños, repárelos o cámbielos.
- Controle las hojas y los herrajes de montaje. Si se encuentran dañados, cámbielos. No soldar o modificar.



LAS HOJAS GIRATORIAS PUEDEN PROVOCAR LESIONES GRAVES O LA MUERTE

- No colocar las manos, los pies u objetos dentro o debajo de la segadora cuando el motor está en funcionamiento.
- Mantenga a los transeúntes alejados.
- No debe haber ocupantes.
- Detenga el motor antes de realizar el servicio de mantenimiento.

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⚠ DANGER



LES OBJETS PROJETÉS PEUVENT PROVOQUER DES BLESSURES GRAVES, VOIRE MORTELLES

- Ôtez tous les débris de la zone de tonte.
- N'utilisez jamais la tondeuse à proximité d'autres personnes. Des objets peuvent être projetés à plusieurs dizaines de mètres.
- Maintenez tous les protecteurs installés. Réparez-les ou remplacez-les s'ils sont endommagés ou s'ils manquent.
- Vérifiez les lames et la visserie de fixation. Remplacez-les en cas de dommages. N'effectuez jamais de soudure sur une pièce et ne la modifiez pas.



LES LAMES EN ROTATION PEUVENT PROVOQUER DES BLESSURES GRAVES, VOIRE MORTELLES

- Ne placez jamais les mains, les pieds ou des objets dans ou sous la tondeuse lorsque le moteur tourne.
- Gardez les spectateurs à distance.
- Ne transportez personne.
- Arrêtez le moteur avant de faire tout entretien.

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WARRANTY

Bobcat Front Mount / Mid-Mount / PTO Driven Attachments

Bobcat Company warrants to its authorized dealers and authorized dealers of Bobcat Equipment Ltd., who in turn warrant to the owner, that each new Bobcat Front Mount / Mid-Mount / PTO Driven attachment will be free from proven defects in material and workmanship with respect to all components of the product except as otherwise specified herein for a period of twelve (12) months after delivery by the authorized Bobcat dealer to the original buyer.

During the warranty period, the authorized Bobcat dealer shall repair or replace, at Bobcat Company's option, without charge for parts and labor, any part of the Bobcat product which fails because of defects in material or workmanship. The owner shall provide the authorized Bobcat dealer with prompt written notice of the defect and allow reasonable time for replacement or repair. Bobcat Company may, at its option, require failed parts to be returned to the factory. Travel time of mechanics and transportation of the Bobcat product to the authorized Bobcat dealer for warranty work are the responsibility of the owner. The remedies provided in this warranty are exclusive.

This warranty does not cover replacement of scheduled service items and high wear items. The owner shall rely solely on the warranty, if any, of the respective manufacturers thereof. This warranty does not cover damages resulting from abuse, accidents, alterations, use of the Bobcat product as an implement on any equipment not approved by Bobcat Company, air flow obstructions, or failure to maintain or use the Bobcat product according to the instructions applicable to it.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXCEPT THE WARRANTY OF TITLE. BOBCAT COMPANY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, LOSS OR INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOSS OF MACHINE USE, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF BOBCAT COMPANY AND THE AUTHORIZED BOBCAT DEALERS WITH RESPECT TO THE PRODUCT AND SERVICES FURNISHED HEREUNDER SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.



Front Mount Bracket Installation



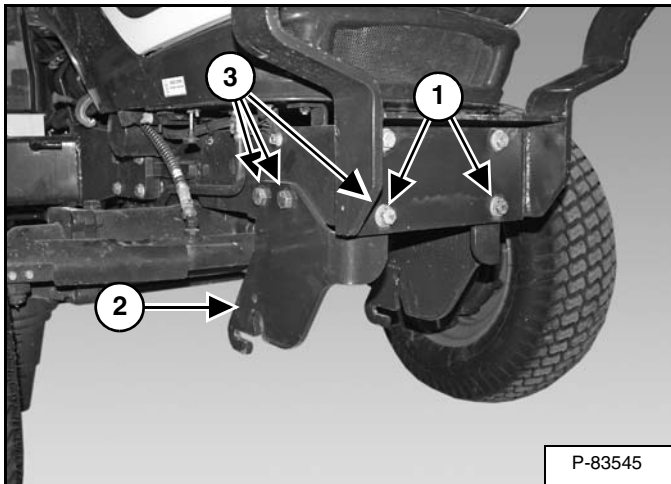
AVOID INJURY OR DEATH

Before you leave the operator's seat:

- Fully lower the loader arms, put the attachment flat on the ground (if equipped).
- Fully lower the implement(s) to the ground (if equipped).
- Lock brake pedals together and engage the parking brake.
- Place F-N-R lever in neutral (SST models only).
- Place all controls in neutral.
- Stop the engine, unfasten the seat belt and remove the key.

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Figure 22



NOTE: If the compact tractor is equipped with a front grille guard, there will be two extra bolts (M14) in the kit that will not be used.

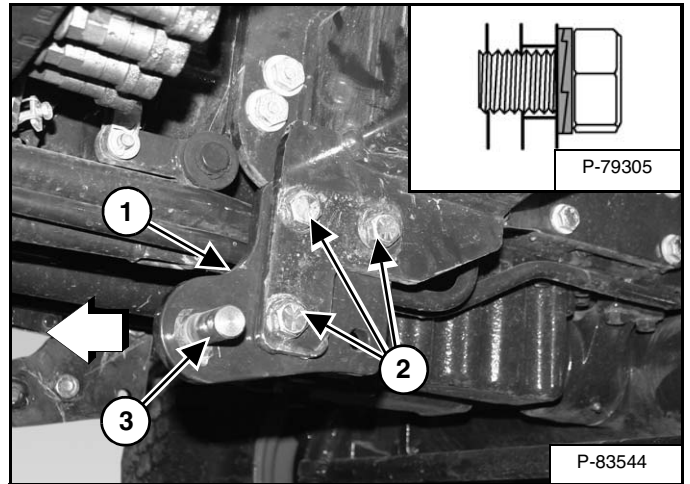
Remove the two lower bolts (Item 1) [Figure 22] of the front grille guard.

Align the front plate (Item 2) with the compact tractor frame and install the three bolts (Item 3) [Figure 22], and nuts (both sides)

Tighten bolts to 240 - 260 N•m (175 - 190 ft-lb) torque.

Center Mount Installation (With Loader Mounts)

Figure 23



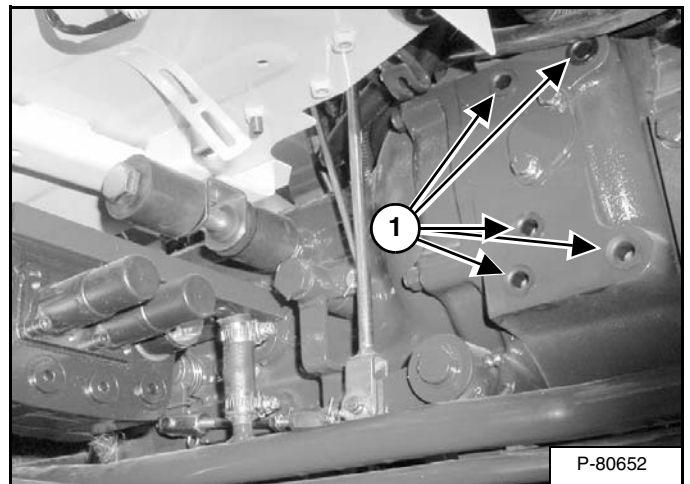
Align the rear pivot mount (Item 1) with the loader mount.

Install the three bolts, washers and nuts (Item 2) and tighten to 163 - 198 N•m (120 - 146 ft-lb) torque.

NOTE: Install the rear pivot mount so the pin (Item 3) [Figure 23] is towards the rear of the tractor.

Center Mount Installation (Without Loader Mounts)

Figure 24



The mount plates will install to the existing holes (Item 1) [Figure 24] on the right / left side of the compact tractor frame.

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