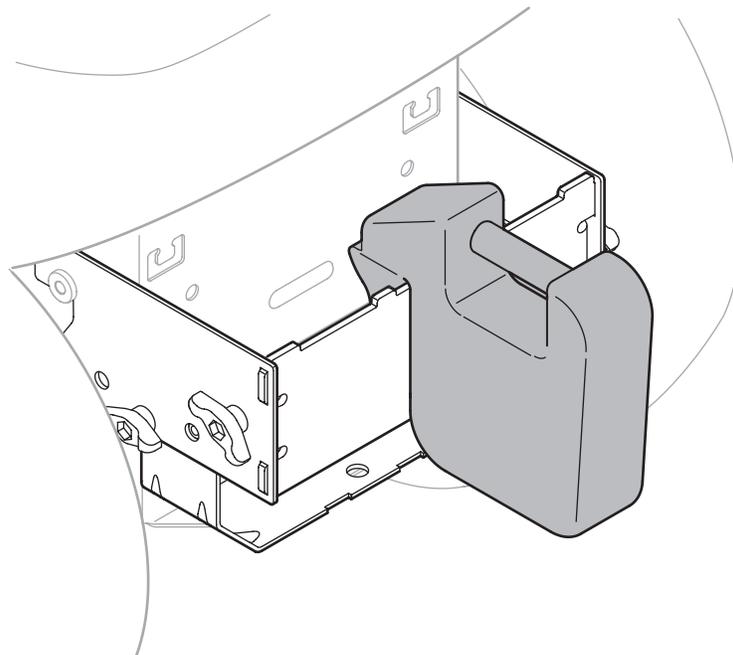

OPERATOR'S MANUAL



Rear Weight Kit — 490-900-M060

WARNING

**READ AND FOLLOW ALL SAFETY RULES AND INSTRUCTIONS IN THIS MANUAL
BEFORE ATTEMPTING TO OPERATE THIS MACHINE.
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.**

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

Thank You

Thank you for purchasing an MTD rear weight kit attachment. It was carefully engineered to provide excellent performance when properly operated and maintained.

Please read this entire manual prior to operating the equipment. It instructs you how to safely and easily set up, operate and maintain this attachment. Please be sure that you, and any other persons who will operate the machine, carefully follow the recommended safety practices at all times. Failure to do so could result in personal injury or property damage.

All information in this manual is relative to the most recent product information available at the time of printing. Review this manual frequently to familiarize yourself with the attachment, its features and operation. Please be aware that this Operator's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. MTD reserves the right to change product specifications, designs and equipment without notice and without incurring obligation.

If you have any problems or questions concerning this attachment, phone your local authorized MTD service dealer or contact us directly. MTD's Customer Support telephone numbers, website address and mailing address can be found on this page. We want to ensure your complete satisfaction at all times.

Throughout this manual, all references to *right* and *left* side of the machine are observed from the operating position

Table of Contents

| | | | |
|--|---|-------------------------|----|
| <i>Identify The Model of Tractor</i> | 3 | <i>Parts List</i> | 8 |
| <i>Carton Contents</i> | 4 | <i>Notes</i> | 10 |
| <i>Assembly & Installation</i> | 5 | <i>Warranty</i> | 12 |

Customer Support

Please do NOT return the machine to the retailer or dealer without first contacting our Customer Support Department.

If you have difficulty assembling this product or have any questions regarding the controls, operation, or maintenance of this machine, you can seek help from the experts. Choose from the options below:

- ◇ Visit us on the web at www.mtdproducts.com



See How-to Maintenance and Parts Installation Videos at www.mtdparts.com/KnowledgeCenter

- ◇ Call a Customer Support Representative at (800) 800-7310 or (330) 220-4683
- ◇ Write to MTD LLC • P.O. Box 361131 • Cleveland, OH • 44136-0019

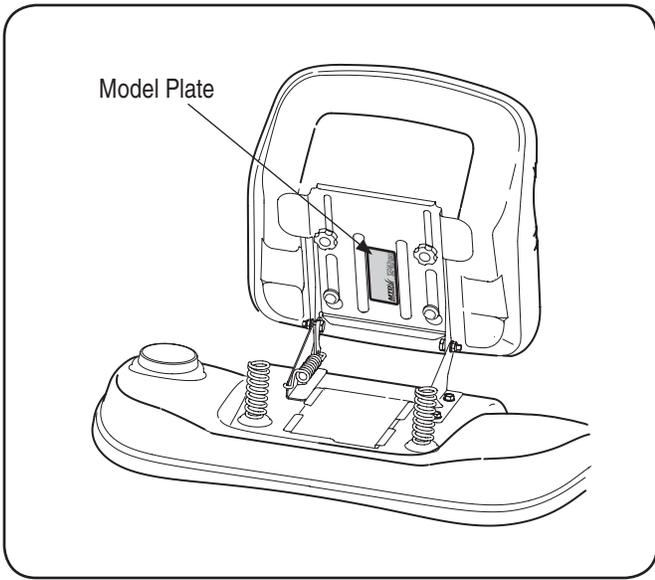


Figure 1-1

Identify The Model of Tractor

This manual is designed for installation of this new weight kit on several different models of tractors. It is important for you to determine which model of tractor that you have. Once this is known, follow the pertinent set of instructions on the following pages.

Note: Read and observe all WARNING, NOTES and IMPORTANT statements. They are included to provide for the protection of the equipment installer and user, and to ensure the prolonged service life of the equipment.

Note: References to LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the operator's position. Reference to the FRONT indicates the grille end; to the REAR, the rear end of the rider.

To determine which model of rider you have, you will need to locate the rider's model plate, located under the seat. Simply flip the seat up and locate the model plate, which will consist of an 11 digit/letter model number and a serial number. See Fig. 1-1. For ease in this installation and for future use, copy your rider's model number & serial number below now:

Rider Model Number: _____ _____

Rider Serial Number: _____

The 5th, 6th & 7th numbers from the left in your model number determine your rider's model series. See Fig. 1-2.

When you fill in your model number in the space above, the actual model series number should fall into the gray shaded area.

Now that you have determined what model rider you are installing this attachment on, follow the instructions on the following pages according to your model of rider.

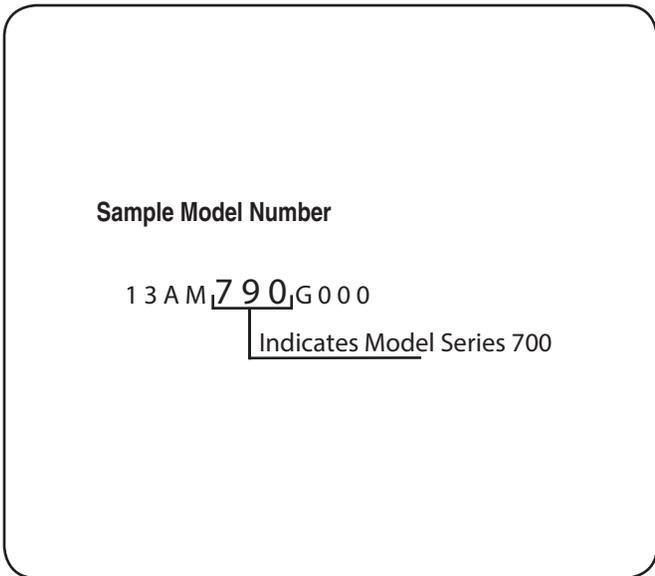


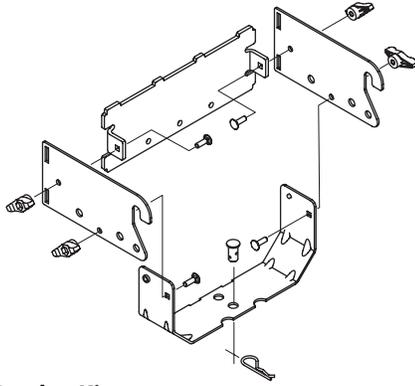
Figure 1-2

Contents of Carton

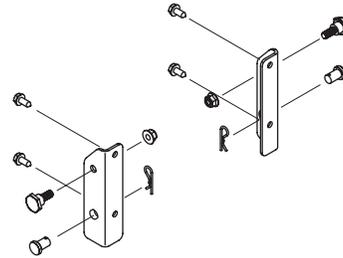
2

Before beginning installation, remove all parts from the carton to make sure everything is present. Carton contents are listed below and shown below.

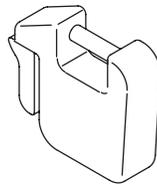
- Hitch Bracket Kit (3 brackets & Hardware Pack 689-00328A)
- Hitch Support Bracket
- 700 Series Mount Kit (2 brackets & hardware)
- Suitcase Weight (Styles may vary)



Hitch Bracket Kit (3 brackets & Hardware Pack 689-00328A)
and Hitch Support

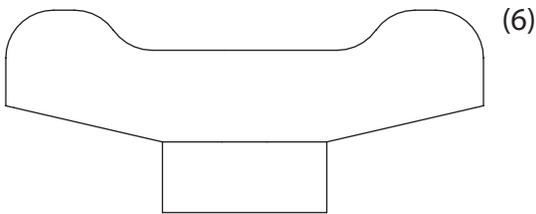


700 Series Mount Kit
(2 brackets & hardware)

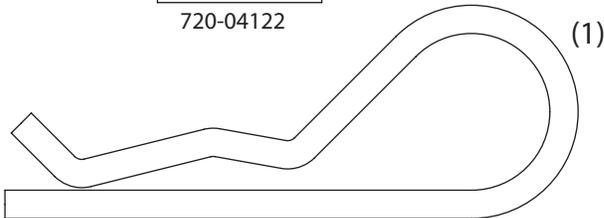


Suitcase Weight
(Styles may vary)

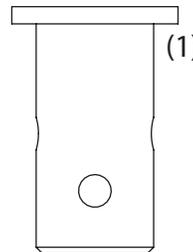
Hardware Pack 689-00328A



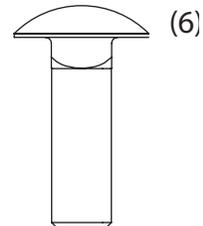
720-04122



(714-0117)



(711-0309A)



710-0276

700 Series Tractors Only

NOTE: References to left, right, front and rear of the tractor are from the operator's position, unless otherwise stated.

- Before assembly, place the tractor on a firm, level surface, disengage the PTO, stop the tractor engine and set the parking brake.
- For convenience, pivot the seat forward and leave it in that position until the grass collector is fully mounted and assembled.

If you are assembling this weight unit for use on any model 700 series tractor you will need to install the two tractor mounting brackets packed in your weight kit. If you are installing this weight kit on any other tractor, disregard these steps and move to Assemble Mounting Brackets on the next page.

To install these brackets on a model 700 series tractor, follow these steps:

1. Install a shoulder bolt on each bracket, if not already done so by the factory, securing them with flange lock nuts which both are included within the kit's hardware. Refer to Figure 3-1.
2. Insert clevis pins on each bracket, securing them with clip pins also included with the kit's hardware. Refer to Figure 3-1.

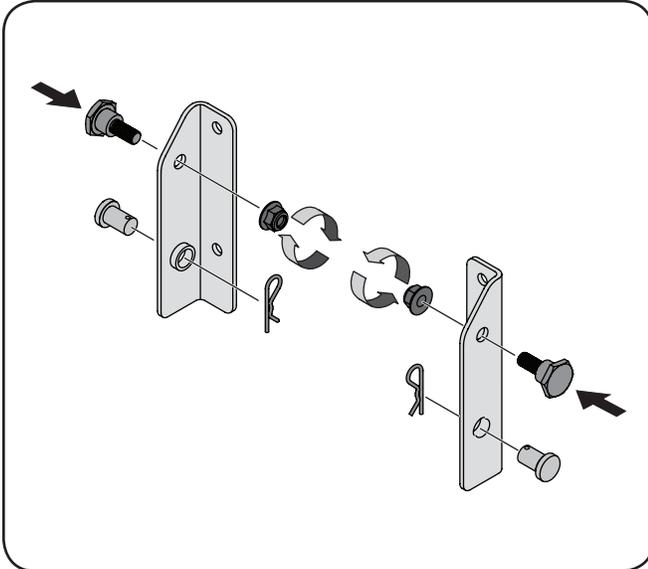


Figure 3-1

3. Mount the 700 series tractor mounting brackets to your tractor using four self-tapping hex screws included with your kit. See Figure 3-2.

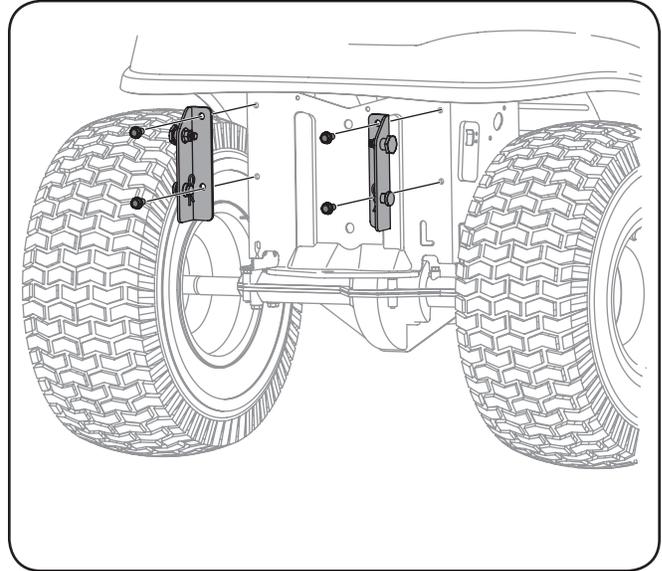


Figure 3-2

Assemble Mounting Brackets

To assemble the universal mounting assembly, locate the mounting assembly pack and follow these steps:

1. Attach the two hitch side brackets to the universal rear attachment bracket using two (710-0276) carriage bolts and (720-04122) wing knobs included in hardware pack 689-00328A.

Note: The hooks on the side brackets should point downwards and the tabs on the rear plate point upwards as shown in Figure 3-3.

Note: This universal mounting bracket assembly is designed to work with other available attachments, such as a grass bagger. Utilize the contact information on page 2, or contact the retailer in which you purchased this equipment, to find out more about available attachments for your specific tractor or refer to the Attachments & Accessories section of the tractor's Operator Manual.

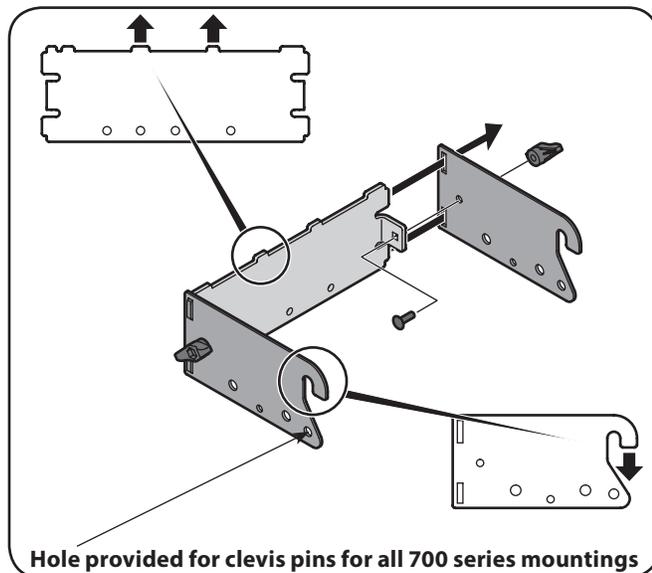


Figure 3-3

2. Flip over assembly and mount the hitch support bracket to the mounting assembly as shown in Figure 3-4.

Note: It might be easier during the mounting stage to leave this hardware only finger tight to facilitate lining up the hitch hole for the clevis pin. You will be instructed to tighten this later in this manual if you chose to only finger tighten this hardware now.

Note: The holes closest to the mounting hooks are to be used for all 700 model series machines, while the two holes closest to the cross mount are for all other models. The hitch support bracket will need to be flipped to enable alignment of the proper holes depending on the model of machine this weight kit is being installed on. See Figure 3-4.

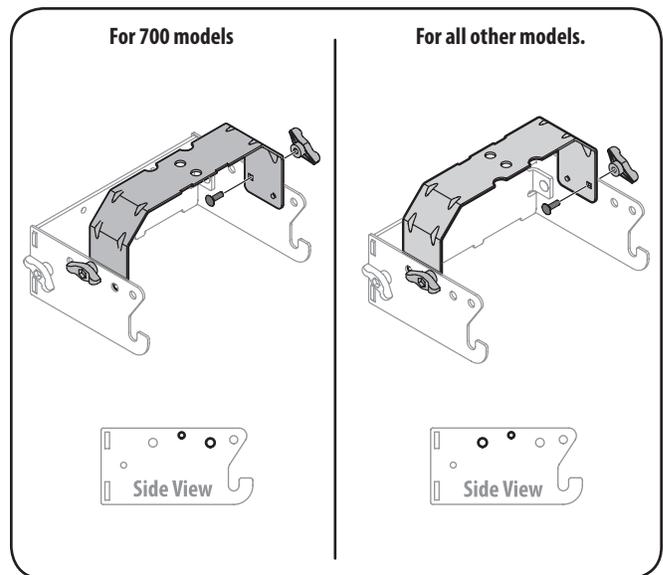


Figure 3-4

Mount Assembly on Tractor

Install mounting assembly on tractor as follows:

1. Place the hooked ends of the mounting assembly over the shoulder bolts, as in Figure 3-5, on the tractor and line up the hitch support bracket center hole with the hole on the tractor's hitch.

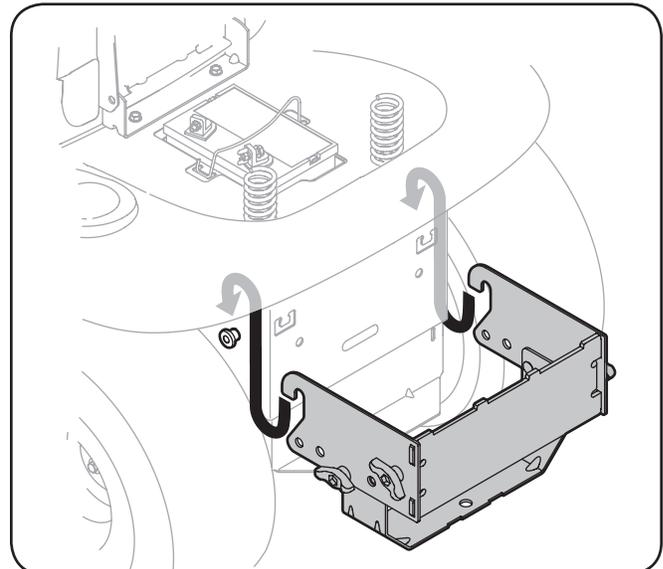


Figure 3-5

2. Install the (711-0309A) clevis pin, included in hardware pack 689-00328A, into the tractor's hitch and secure with a (714-0117) clip pin from the same hardware pack. See Figure 3-6.

Note: The clevis pin can be fed down through the hitch plate and secured underneath with the hairpin clip, or it may be easier to feed the clevis pin up through the hitch plate hole and secure with the hairpin clip on the topside. The latter method may be preferred since it can be easier to insert the hairpin clip. Either way will work, the decision should be based on operator preference.

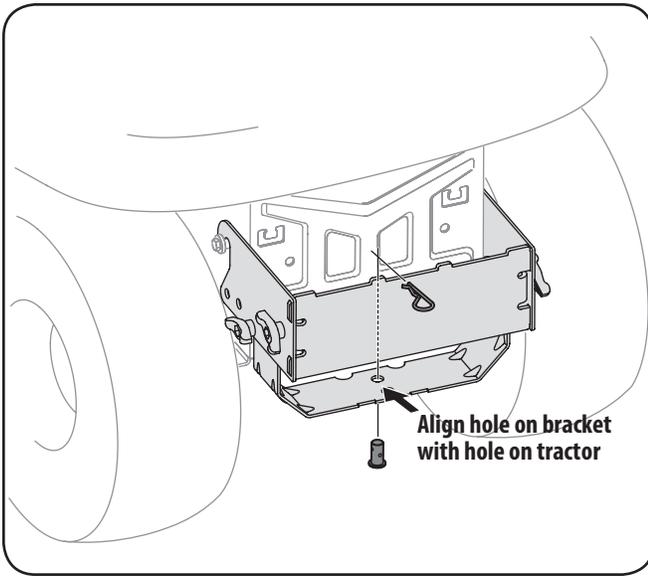


Figure 3-6

Note: If you decided to leave the hitch support only finger tight during the assembly process, tighten all of the hardware securely at this time.

If Mounting Assembly onto 700 Series Tractors

Note: Install two clevis pins through the mounting assembly and secure to the 700 series mounting brackets using two click pins provided with the model 700 mounting kit. Refer back to Figure 3-3 for clevis pin hole location and see Figure 3-7 below.

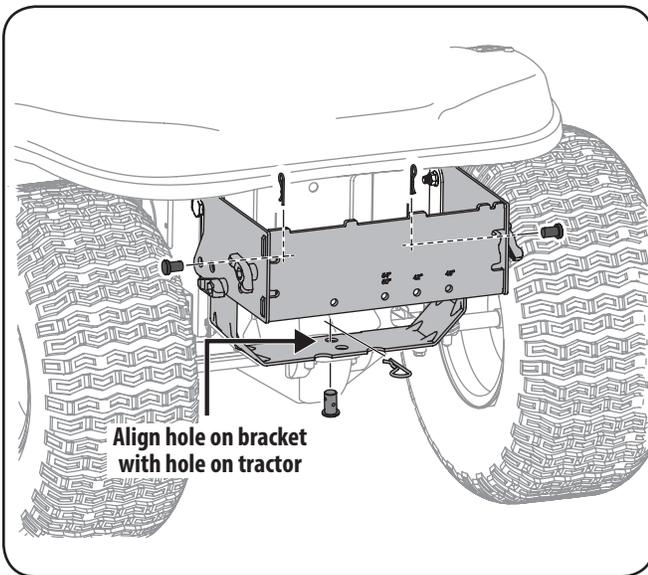


Figure 3-7

Note: If you decided to leave the hitch support only finger tight during the assembly process, tighten all of the hardware securely at this time.

Install Suitcase Weights

Simply hook the included suitcase weight over the hitch bracket assembly as shown in Figure 3-8. More weights can be purchased as needed based on each individual application. Refer to the part list page in this manual to identify the part number, then refer to page 2 of this manual for company contact information to order additional suitcase weights or other parts.

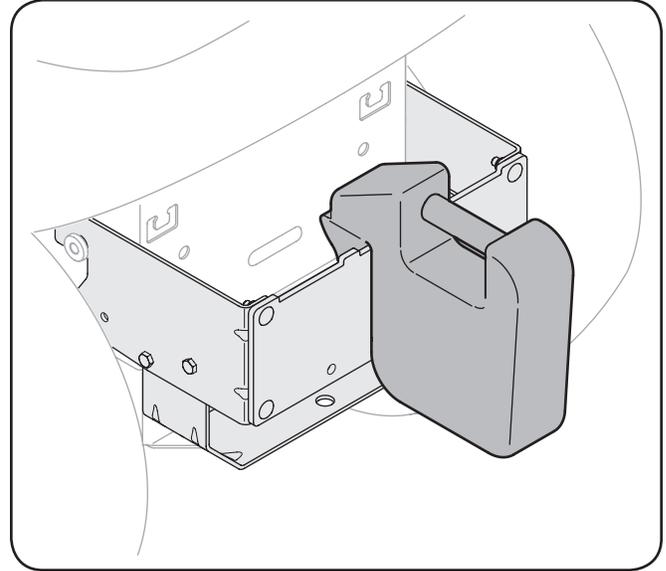
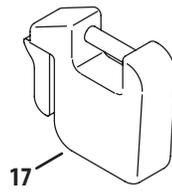
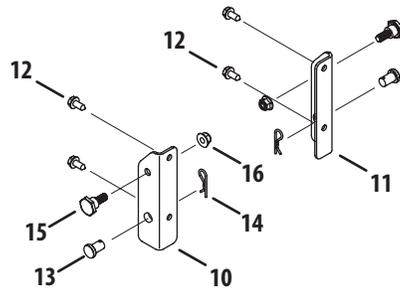
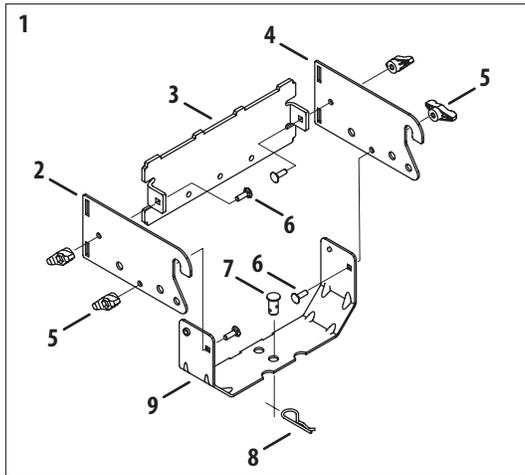


Figure 3-8



| Ref. | Part Number | Description |
|-------------|--------------------|--|
| 1. | 689-00304A | Mounting Bracket Kit <i>(Incl. Ref. 2-4)</i> |
| 2. | N/A* | Hitch Bracket, RH |
| 3. | N/A* | Rear Attachment Bracket |
| 4. | N/A* | Hitch Bracket, LH |
| 5. | 720-04122 | Wing Knob |
| 6. | 710-0276 | Carriage Screw, 5/16-18 x 1.00" |
| 7. | 711-0309A | Clevis Pin, .62" Dia. |
| 8. | 714-0117 | Clip Pin, .148 x 3.00 |
| 9. | 783-08129-0637 | Universal Bracket Support |
| 10. | 783-05889A-0637 | Mounting Bracket, RH |
| 11. | 783-05890A-0637 | Mounting Bracket, LH |
| 12. | 710-04484 | Tap Screw, 5/16-18 x .750 |
| 13. | 911-0332 | Clevis Pin, .50 x .78 Lg. |
| 14. | 914-0145 | Click Pin, .092 x 1.64 Lg. |
| 15. | 738-04267 | Shoulder Screw, .625 x .412 |
| 16. | 712-04065 | Flange Lock Nut, 3/8-16 |
| 17. | 490-900-M059 | Suitcase Weight, 42 lb. |

* Can only be ordered as an assembly. Use Reference Number 1 to order.

MANUFACTURER'S LIMITED WARRANTY FOR



The limited warranty set forth below is given by MTD LLC with respect to new merchandise purchased and used in the United States and/or its territories and possessions, and by MTD Products Limited with respect to new merchandise purchased and used in Canada and/or its territories and possessions (either entity respectively, "MTD").

"MTD" warrants this product (excluding its *Normal Wear Parts* and *Attachments* as described below) against defects in material and workmanship for a period of one (1) year commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster. Damage resulting from the installation or use of any part, accessory or attachment not approved by MTD for use with the product(s) covered by this manual will void your warranty as to any resulting damage.

Normal Wear Parts are warranted to be free from defects in material and workmanship for a period of thirty (30) days from the date of purchase. Normal wear parts include, but are not limited to items such as: batteries, belts, blades, blade adapters, tines, grass bags, wheels, rider deck wheels, seats, snow thrower skid shoes, friction wheels, shave plates, auger spiral rubber and tires.

Attachments — MTD warrants attachments for this product against defects in material and workmanship for a period of one (1) year, commencing on the date of the attachment's original purchase or lease. Attachments include, but are not limited to items such as: grass collectors and mulch kits.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE, through your local authorized service dealer. To locate the dealer in your area:

In the U.S.A.

Check your Yellow Pages, or contact MTD LLC at P.O. Box 361131, Cleveland, Ohio 44136-0019, or call 1-800-800-7310, 1-330-220-4683 or log on to our Web site at www.mtdproducts.com.

In Canada

Contact MTD Products Limited, Kitchener, ON N2G 4J1, or call 1-800-668-1238 or log on to our Web site at www.mtdcanada.com.

This limited warranty does **not** provide coverage in the following cases:

- a. Log splitter pumps, valves, and cylinders have a separate one-year warranty.

- b. Routine maintenance items such as lubricants, filters, blade sharpening, tune-ups, brake adjustments, clutch adjustments, deck adjustments, and normal deterioration of the exterior finish due to use or exposure.
- c. Service completed by someone other than an authorized service dealer.
- d. MTD does not extend any warranty for products sold or exported outside of the United States and/or Canada, and their respective possessions and territories, except those sold through MTD's authorized channels of export distribution.
- e. Replacement parts that are not genuine MTD parts.
- f. Transportation charges and service calls.
- g. MTD does not warrant this product for commercial use.

No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product, shall bind MTD. During the period of the warranty, the exclusive remedy is repair or replacement of the product as set forth above.

The provisions as set forth in this warranty provide the sole and exclusive remedy arising from the sale. MTD shall not be liable for incidental or consequential loss or damage including, without limitation, expenses incurred for substitute or replacement lawn care services or for rental expenses to temporarily replace a warranted product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. **Alteration of safety features of the product shall void this warranty.** You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser or to the person for whom it was purchased as a gift.

HOW STATE LAW RELATES TO THIS WARRANTY: This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT: Owner may be required to present proof of purchase to obtain warranty coverage.

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019; Phone: 1-800-800-7310, 1-330-220-4683
MTD Canada Limited - KITCHENER, ON N2G 4J1; Phone 1-800-668-1238