

WASTE MASTER®

OEM INSTALLATION MANUAL

LIPPERT COMPONENTS®

TABLE OF CONTENTS

System **2**
Safety **2**
Resources Required **2**
Preparation **3**
Storage Box Installation **4**
Hose Installation **6**
Cam Lock System **6**
Bayonet System **6**
Hose Connections **7**

System

Unlike traditional hose coils that trap debris, the tough Waste Master® hose is designed with its helical coil on the outside while the inside is much smoother, preventing waste from getting trapped inside the hose. The optional storage box can be mounted on the chassis in proximity to the trailer holding tank outlet for a permanent hose connection. The storage box can also be mounted elsewhere on the trailer for convenient storage of the Waste Master hose and nozzle assembly.

Safety

⚠WARNING

The "WARNING" symbol above is a sign that an installation procedure has a safety risk involved and may cause death or serious injury if not performed safely and within the parameters set forth in this manual. Always wear eye protection when performing this installation procedure. Other safety equipment to consider would be hearing protection, gloves, and possibly a full face shield, depending on the nature of the installation procedure.

⚠CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- 3⁄16" drill bit
- 7⁄16" drill bit
- 9⁄16" wrench
- 9⁄16" socket
- Torque wrench
- 4" hole saw
- ABS glue
- Marker

Preparation

1. Choose a storage box location in close proximity to the holding tank.

NOTE: The Waste Master storage box can be mounted anywhere on the unit if used as a stand-alone box and not for a permanent connection.

2. Make sure there is a 2" minimum clearance from obstructions around the area where the storage box mounting bracket will be installed.
3. The end of the unit's holding tank outlet pipe must be directed at the storage box and positioned within 3" of the side of the storage box (Fig. 1).

NOTE: The 3" dimension is the same for both the cam lock and bayonet systems of installation.

4. The door of the storage box must open freely without interference with the skirting.
5. Determine the location of the hose exit hole and the position for the storage box mounting bracket.
   - **A.** The centers of a 4" diameter hose exit hole and the holding tank outlet pipe should line up within ⅛" (Fig. 1).

NOTE: The hose exit hole may be on either side of the storage box, depending on the plumbing location.

   - **B.** The 4" hose exit hole center is 2 ¾" from the top of the storage box (Fig. 1).
   - **C.** The drop height, calculated from the bottom of the I-beam to the top of the storage box, must be 1" or more (Fig. 1).
   - **D.** The box must extend a minimum of 2" in front of the I-beam (Fig. 2).
   - **E.** There must be a minimum overhang of 16" behind the I-beam (Fig. 2).

Fig. 1

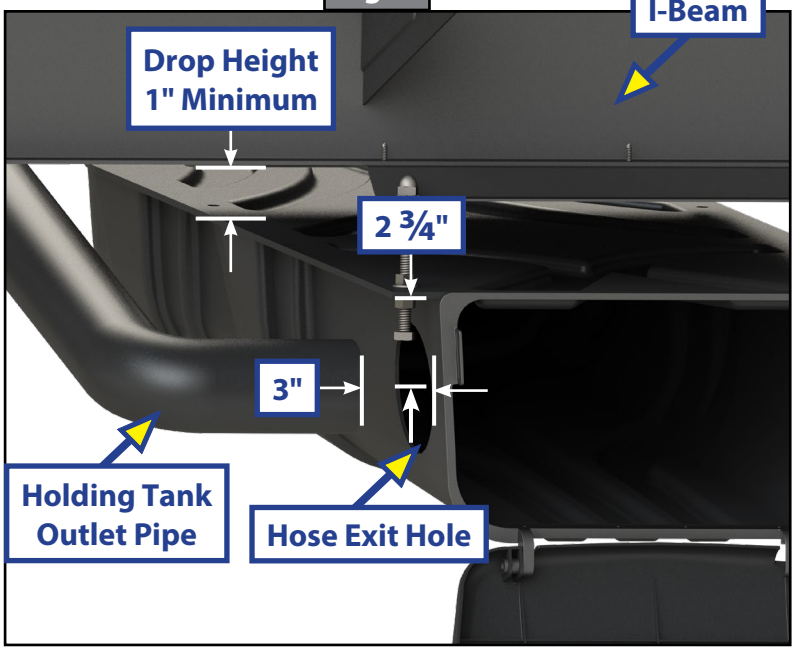
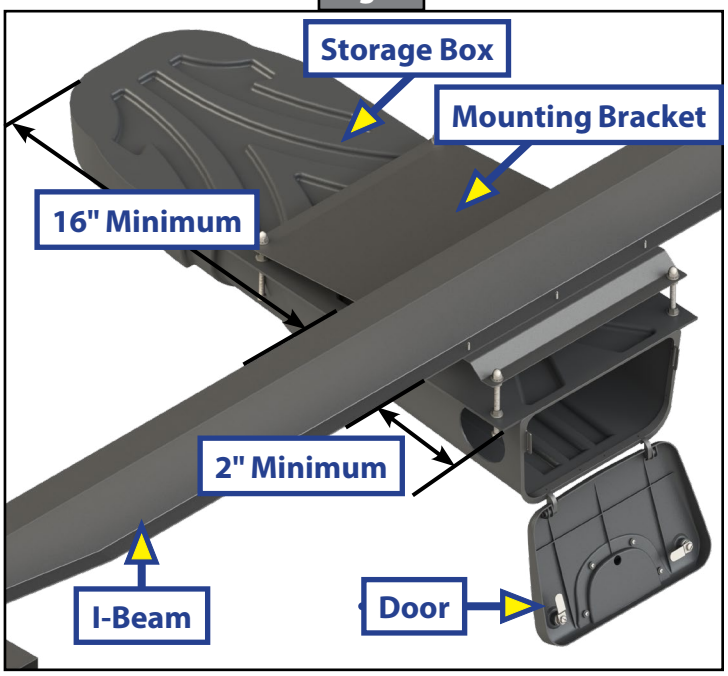


Fig. 2

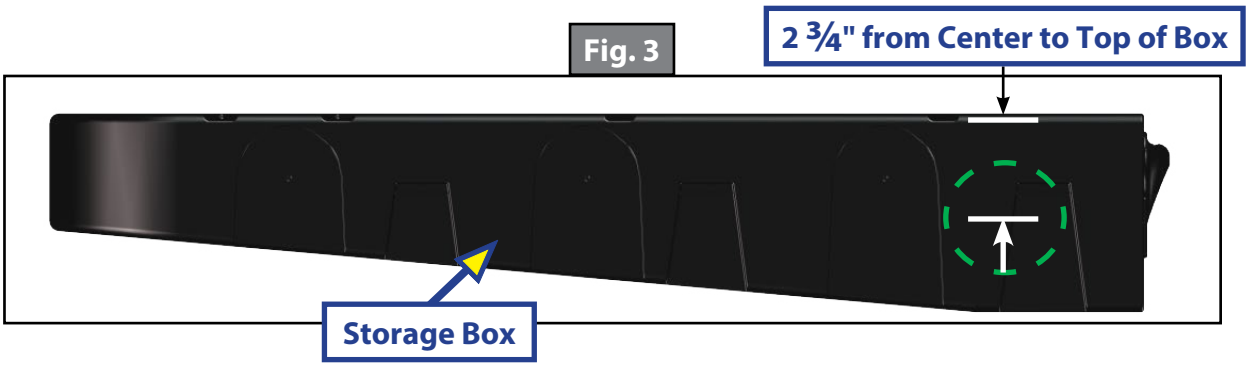


Storage Box Installation

1. With a marker, mark the mounting bracket hole centers on the I-beam and on the storage box flanges.
2. Mark the hole center of the hose exit hole.
3. Using a 4" hole saw, drill out a hole in the side of the storage box to provide a space to connect to the holding tank outlet pipe (Fig. 3).

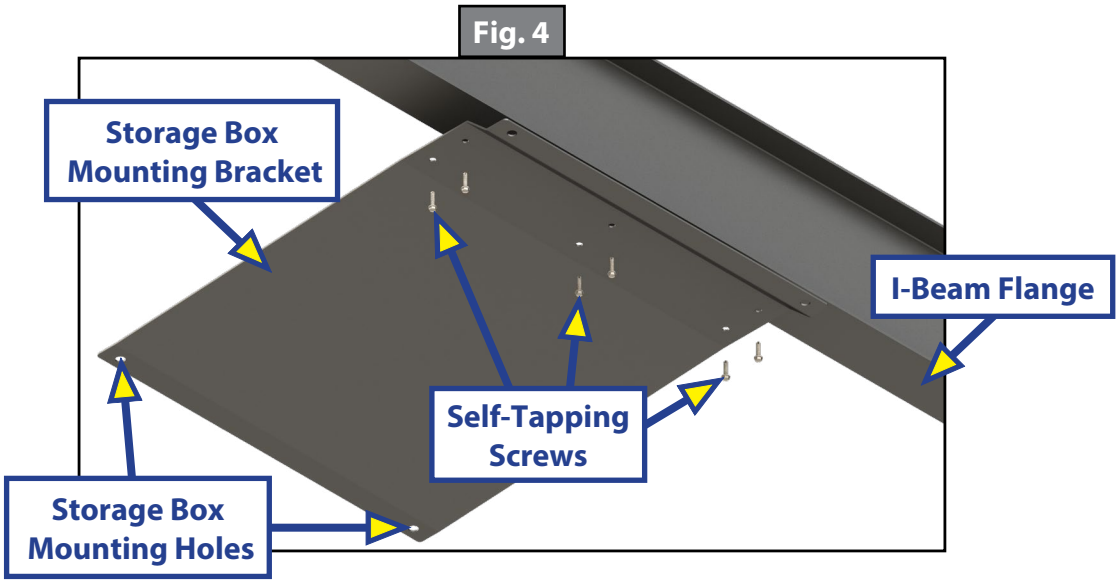
NOTE: Do **NOT** cut a 4" hole in the box if it will be used for storage only and not a permanent connection.

Fig. 3



4. Pre-drill the mounting holes in the storage box flanges using a 7/16" bit.
5. Pre-drill 3/16" pilot holes in the I-beam for the self-tapping screws that will secure the mounting bracket.
6. Using six self-tapping screws, fasten the storage box mounting bracket to the lower flange of the I-beam (Fig. 4).
7. Torque to 10 ft-lbs. Do not overtighten. Overtightening could cause the threads to strip.

Fig. 4



8. Fasten the storage box to the mounting bracket.

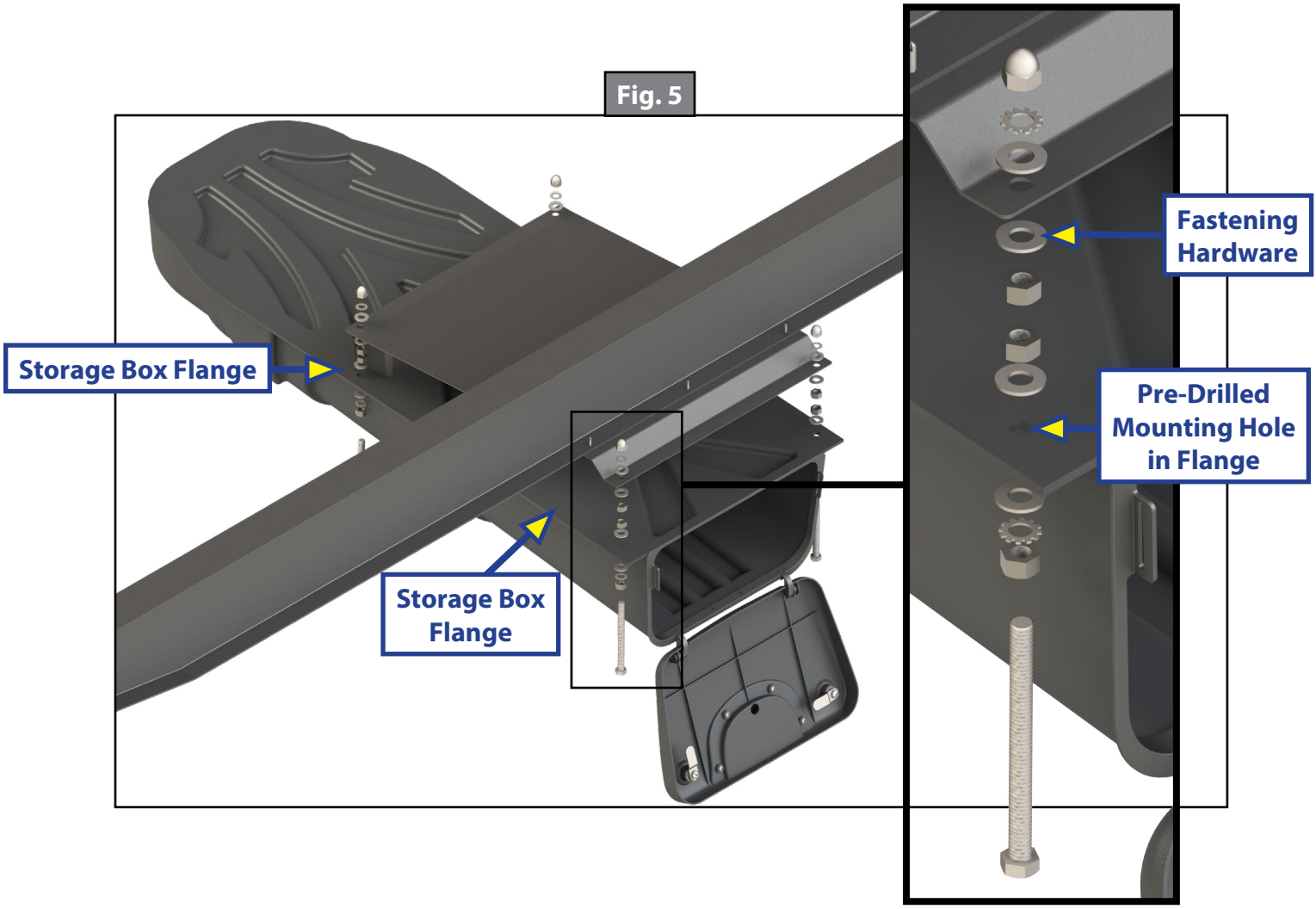
- **A.** Adjust drop height so the centerline of the holding tank outlet pipe is aligned with the hose exit hole (Fig. 1).
- **B.** Torque the fastening hardware on the mounting bracket to 20 ft-lbs.
- **C.** Torque fastening hardware on the storage box flanges to 10 ft-lbs.

NOTE: Refer to Fig. 5 for the installation sequence of fastening hardware.

NOTE: Some fastening hardware may not be used depending on the drop-height configuration.

NOTE: The kit provides a drop-height range of 1" to 4.5". For a drop height greater than 4.5", longer bolts may be required.

Fig. 5



Hose Installation

Cam Lock System

The end of the holding tank outlet pipe on the trailer must be directed at the storage box and positioned within 3" of the hole in the side of the storage box (Fig. 1). The male cam lock fitting is pre-installed on the end of the Waste Master hose (Fig. 6), but the female cam lock fitting (Fig. 7) must be glued to the holding tank outlet pipe.

1. Apply ABS glue to the end of the trailer's holding tank outlet pipe and to the inside of the female cam lock fitting.

NOTE: The waste pipe is ABS pipe. Use glue approved for ABS piping. Do not use glue for PVC or CPVC piping.

2. Take the female cam lock fitting and push it onto the pipe, turn approximately 90 degrees to the final position and hold it in place for 30 seconds.
3. Allow 15 minutes for the glue to set before proceeding.

Fig. 6

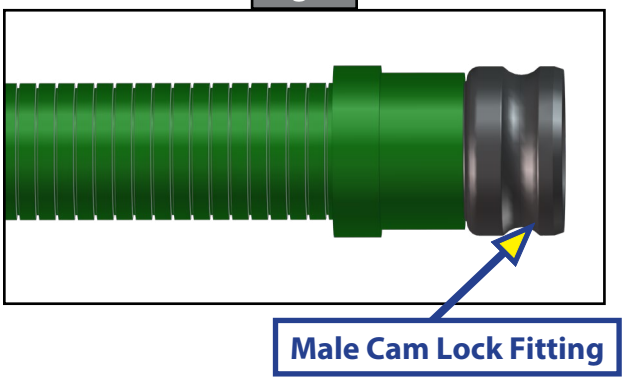
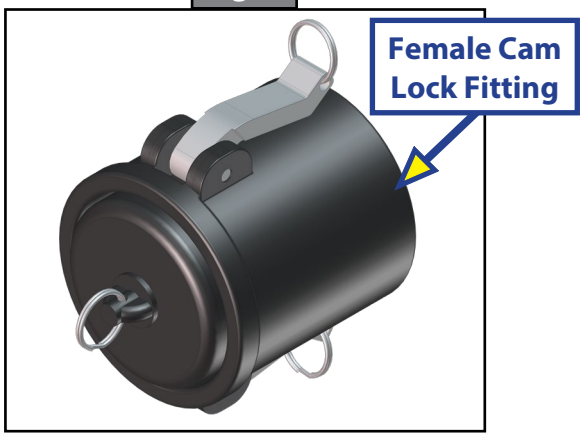


Fig. 7



Bayonet System

NOTE: If the male bayonet fitting is already in place on the end of the holding tank outlet pipe, proceed to the Hose Connections section.

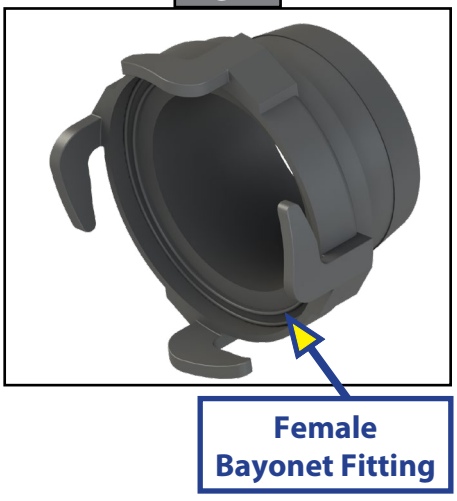
The end of the holding tank outlet pipe on the trailer must be directed at the storage box and be positioned within 3" of the hole in the side of the storage box (Fig. 1). The female bayonet fitting is pre-installed on the end of the Waste Master hose (Fig. 8), but the male bayonet fitting must be glued to the holding tank outlet pipe.

1. Apply the ABS glue to the end of the trailer's holding tank outlet pipe and to the inside of the male bayonet fitting.

NOTE: The waste pipe is ABS pipe. Use glue approved for ABS piping. Do not use glue for PVC or CPVC piping.

2. Take the male bayonet fitting and push it onto the pipe, turn approximately 90 degrees to the final position and hold it in place for 30 seconds.
3. Allow 15 minutes for the glue to set before proceeding.

Fig. 8



Hose Connections

1. Insert the end of the Waste Master hose, which has the female bayonet fitting (Fig. 8) or the male fitting for the cam lock system (Fig. 6), into the installed storage box and push it through the 4" opening at the end of the box (Fig. 9).
2. Attach the Waste Master hose to the holding tank outlet pipe.
   - **A.** If equipped with bayonet fitting, place the Waste Master hose's bayonet fitting onto the end of the outlet pipe and turn clockwise to lock it into place (Fig. 10).
   - **B.** If equipped with a cam lock, open the cam lock arms on the trailer's holding tank outlet pipe. Insert the end of the Waste Master hose into the female cam lock fitting and then close the arms to lock it into place (Fig. 11).

NOTE: During storage and transportation of the trailer, install the cap over the end of the Waste Master nozzle.

Fig. 9

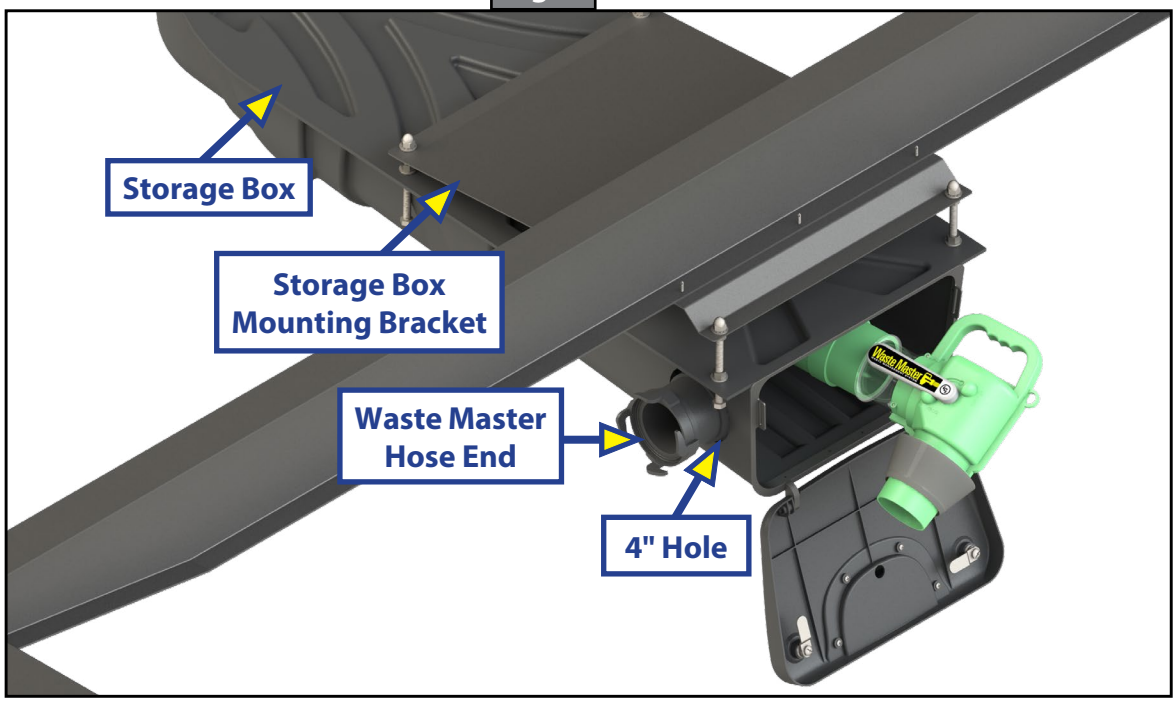


Fig. 10

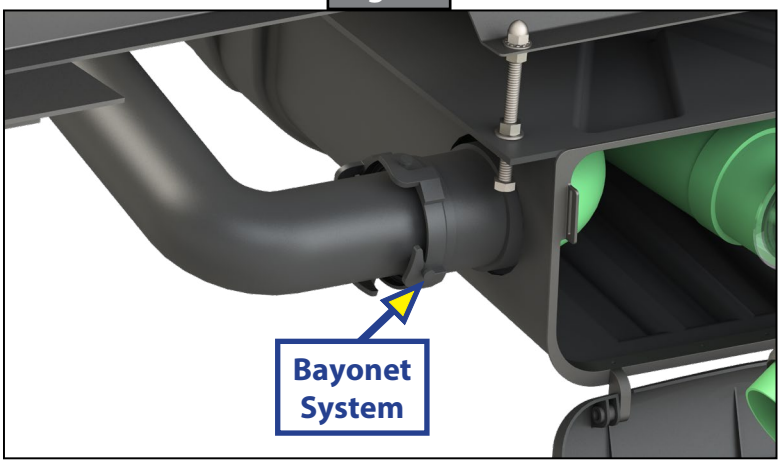
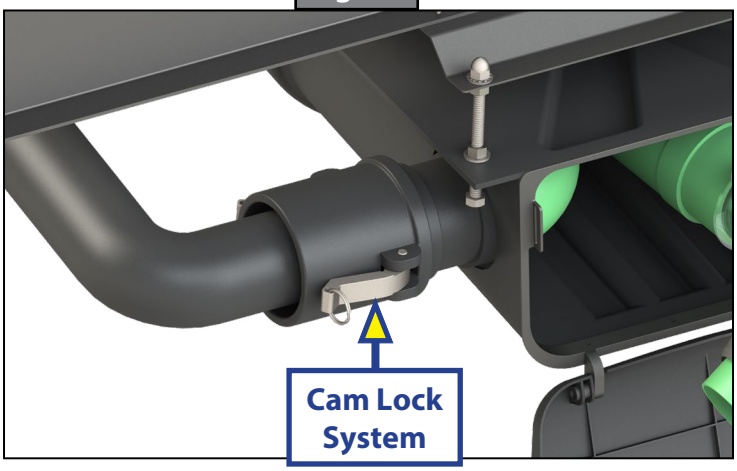


Fig. 11





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