

muck-truck ™
It doesn't cost the earth to move it!

Muck-Truck Mk V Dumper MAX Mk III Dumper

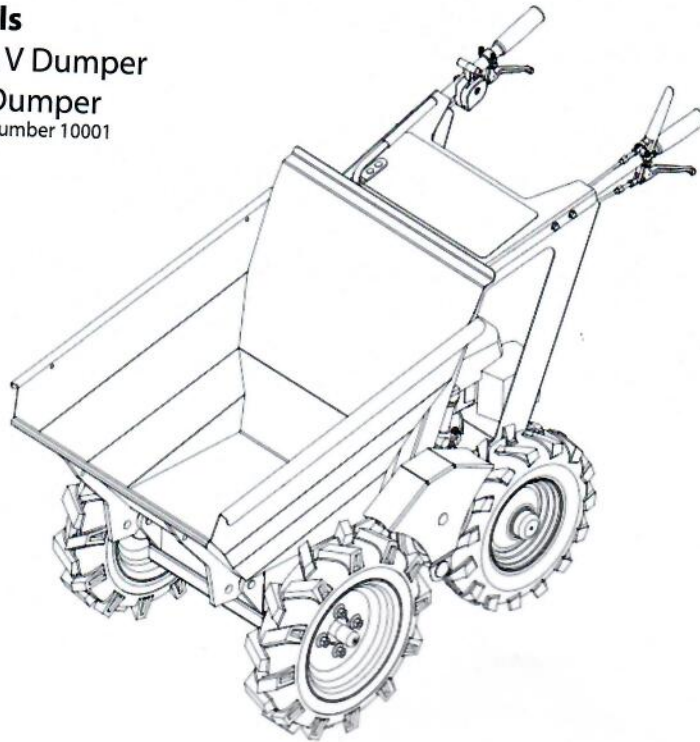
Owner, Operation, & Parts Manual

Models

Muck-Truck Mk V Dumper

MAX Mk III Dumper

Starting with Serial Number 10001



GB ENGLISH



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INTRODUCTION

THE MANUAL

Before using the unit, carefully and completely read your manual. The contents will give you an understanding of safety instructions and controls during normal operation and maintenance.

All reference to left, right, front, or rear is given from the operator's position, facing the direction of forward travel.

ENGINE MANUAL

A separate manual specific to the engine covers the engine on this unit. This manual is included in the literature package that shipped with the unit. Refer to this manual for engine service recommendations. If the engine manual is not available, contact the engine manufacturer for a replacement manual.

PURCHASE INFORMATION

Please record the following information about your unit and have it available before contacting us.

Serial Number:

Dealer/Distributor's Name:

Date of Purchase:

Year of Manufacture:

DECLARATION OF CONFORMITY

The undersigned of Muck Truck UK Ltd, declare that the Pedestrian Dumper Trucks:

Category: Petrol, 4-Stroke Pedestrian Dumper

Model: Muck-Truck Mk V Dumper / MAX Mk III Dumper.

Conform to the essential Health and Safety requirements of the EEC Directive.

98/37/EC (Edition L 207)

Previously 89/392/EEC – 93/94/EEC Amendment

Basic Noise Emission Standard – EN ISO 3744 – dB 98 Lwa

H.A.V.s

Machinery Directive 89/392/EEC

The supply of (Safety) regulations 1992 (as amended: 1994), for conformity in an EU market

Left Hand Idle: 2.79 m/s² **Right Hand** Idle: 3.10 m/s²
Racing : 4.95 m/s² Racing : 5.86 m/s²

Specified testing unit to: ISO 8041, ISO 5349 and BS 6842

The notified body is AV Technology Ltd.

Avtech House, Birdhall Lane, Cheadle Heath, Stockport, SK3 0XX, England

Name and signature of Managing Director of Muck Truck UK Ltd.

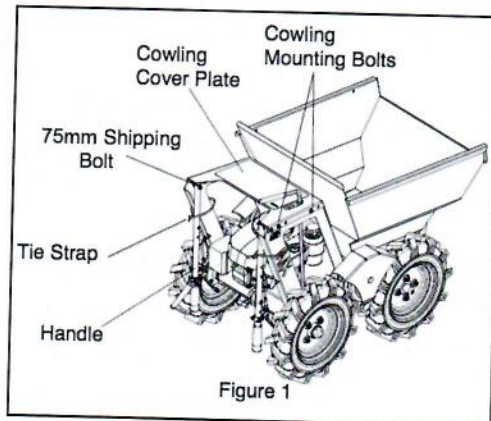


Terry Rowlands

ASSEMBLY

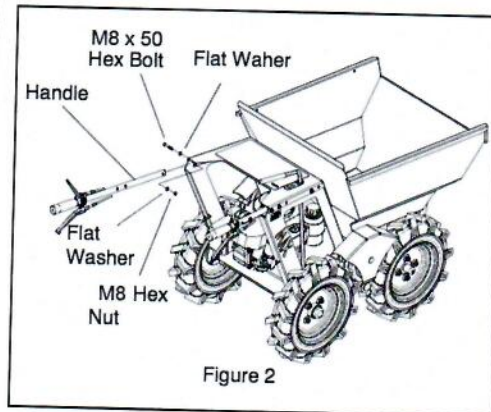
Install Handles

Handles are shipped in downward position (see Figure 1) with all levers and cables correctly positioned.



1. Cut tie-straps retaining handles.
2. Remove M8 x 75 shipping hex bolt securing handle to unit. Retain nut and washers; discard 75mm hex bolt.
3. Align handle with the holes in the cowling cover and attach with two M8 x 50 bolts, washers and M8 Nyloc nuts removed earlier.

4. Insert M8 x 50 hex bolt from Manual Package into remaining hole and secure with washers and nut removed from shipping bolt.
5. Tighten hardware securely.
6. Repeat steps 2 – 5 for remaining side.



SAFETY



CL1253

SAFETY ALERT SYMBOL

These are safety alert symbols. They mean:

- **ATTENTION!**
- **YOUR SAFETY IS INVOLVED!**



CL2900

When you see this symbol:

- **BECOME ALERT!**
- **OBEY THE MESSAGE!**

SIGNAL WORDS

The safety alert symbols above and signal words below are used in this manual.

Read and understand all safety messages.



CL1253

DANGER: IMMINENTLY HAZARDOUS SITUATION! If not avoided, WILL RESULT in death or serious injury.



CL1253

WARNING: POTENTIALLY HAZARDOUS SITUATION! If not avoided, COULD RESULT in death or serious injury.



CL1253

CAUTION: POTENTIALLY HAZARDOUS SITUATION! If not avoided, MAY RESULT in minor or moderate injury. It may also be used to alert against unsafe practices.

SAFETY RULES

Read, understand, and follow all safety practices in Owner/Operator Manual before use. Failure to follow instructions could result in personal injury and/or damage to unit.

Complete a walk around inspection of unit and work area to understand:

- Work area
 - Your unit
 - All operational decals.
- Inspect unit before each use for: missing or damaged decals and shields. Replace or repair as needed.

Keep children out of work area and under watchful care of a responsible adult.

Check for weak spots on docks, ramps or floors. Avoid uneven work areas and rough terrain. Stay alert for hidden hazards or traffic.

DO NOT operate near drop-offs, ditches, or embankments. Unit can suddenly turn over if wheels move over the edge of a cliff or ditch, or if an edge caves in.

Read the entire Owner/Operator manual. If the operator or the mechanic cannot read the manual, it is the owner's responsibility to explain it to them. Only the user can prevent, and is responsible for accidents or injuries occurring to themselves, other people or property.

Only trained adults may operate or service unit. Training includes actual operation.

NEVER operate unit after or during the use of medication, drugs or alcohol. Safe operation requires your complete and unimpaired attention at all times

Wear adequate safety gear, protective gloves and footwear. NEVER place your hands or any part of your body or clothing inside or near any moving part while unit is running.

DO NOT touch parts that are hot. Allow parts to cool.

ALWAYS keep hands and feet away from all pinch points.

Read, understand, and follow all instructions in the manual and on the machine before starting. Understand:

- How to operate all controls.
- The functions of all controls.
- How to STOP in an Emergency.
- Braking and turning characteristics.

Keep safety devices or guards in place and functioning properly. NEVER modify or remove safety devices.

Never carry passengers. Use only attachments and accessories designed for your unit.

Know the weight of loads. Do not exceed maximum capacity of unit.

Use caution when backing up. ALWAYS back up slowly. Always look down and behind before and while backing. Check all hardware at regular intervals. Keep all nuts, bolts, and wheel nuts properly tightened.

Disengage unit drive by releasing clutch lever before changing gears.

Never leave a running unit unattended. ALWAYS shut off engine before leaving unit. This product is equipped with an internal combustion type engine. DO NOT use unit on or near any unimproved, forest-covered or brush covered land, dirt, grease, oil or other flammable material, unless

exhaust system is equipped with a spark arrester meeting applicable local, state or federal laws. A spark arrester, if used, must be maintained in effective working order.

Fumes from engine exhaust can cause injury or death. Ensure proper ventilation. Do not run engine in a confined area.

CONTROLS AND FEATURES

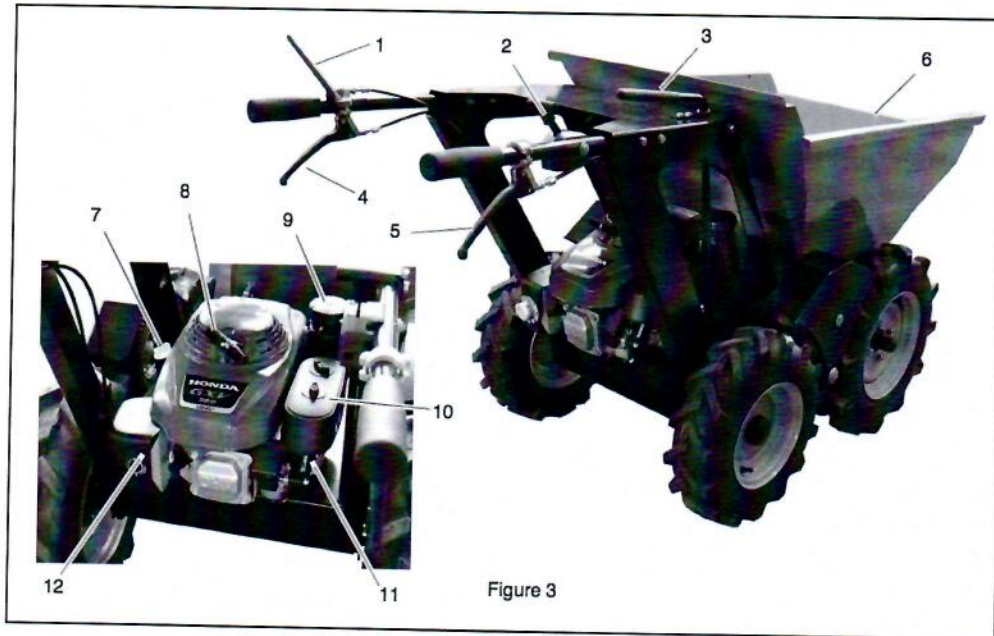


Figure 3

- | | |
|-------------------------|----------------------------|
| 1. Parking Brake Lever | 7. Oil Level Dipstick/Fill |
| 2. Throttle Lever | 8. Recoil Starter Handle |
| 3. Gear Selection Lever | 9. Fuel Tank/Cap |
| 4. Clutch Lever | 10. Air Cleaner |
| 5. Skip Release Lever | 11. Fuel Shut-off Valve |
| 6. Skip | 12. Silencer |

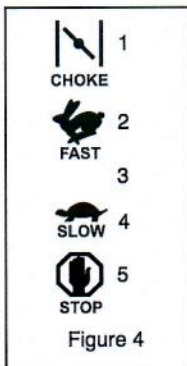
OPERATION

CONTROLS AND FEATURES

See *CONTROLS AND FEATURES* on page 5.

Throttle Lever

(Figure 4)



The throttle lever controls the choke position and the engine speed. To choke the engine for startup adjust to:

1. CHOKE (startup)

To increase or decrease the engine speed, adjust to:

2. FAST

3. Part-Throttle

4. SLOW To stop the engine, adjust to

5. STOP (engine is off)

Figure 4

Parking Brake Lever

(Figure 5)

Engage the parking brake by releasing the lever when not traveling with the unit or while emptying the skip. The parking brake lever must be disengaged (pressed down against handlebar) any time that the unit is in motion.



CAUTION: Avoid damage. Unit has sufficient power to overpower the parking brake. Not releasing parking brake while traveling will lead to overheating and premature wear of the parking brake.

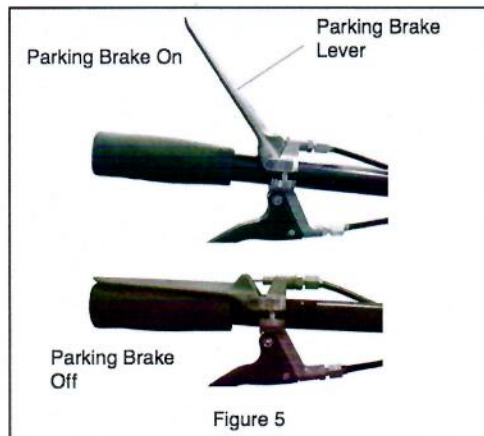


Figure 5

Clutch Lever

(Figure 6)

With a forward or reverse gear selected, gently engage (squeeze) the clutch lever to move the unit forward or backward. Release the clutch lever to stop motion.

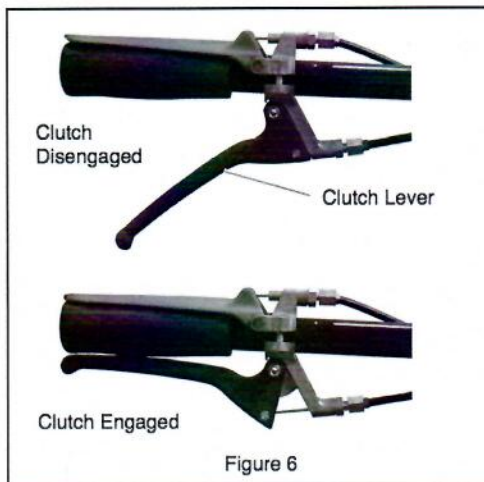


Figure 6

Gear Selection Lever

The gear selection lever controls forward and reverse motion of the unit and adjusts the forward travel speed. Select the desired gear based on travel conditions.

Skip Release Lever

(Figure 8)

Squeeze the skip release lever to release the skip lock. Release the skip release lever to engage the skip lock.

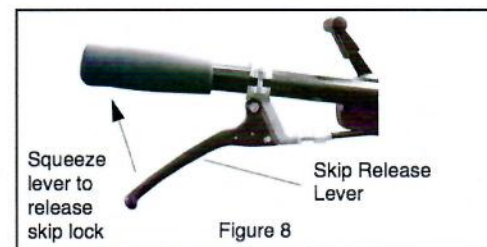


Figure 8

PRE-START



WARNING: AVOID INJURY. Read and understand the entire Safety section before proceeding.

Park unit on level surface. Check and add fuel if required. Check that the engine crankcase oil is full using dipstick. Refer to Engine Manual for detailed instructions.

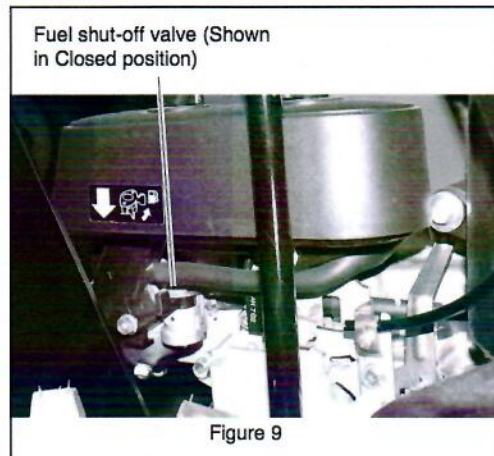
Fuel Shut-Off Valve

(Figure 5)

NOTE: Close the fuel shut-off valve before transporting the unit.

The fuel shut-off valve has two positions:

- Closed Position – Use this position to service, transport, or store the unit.
- Open Position – Use this position to operate the unit.



Adding Fuel

1. ALWAYS place unit in open or well-ventilated area.
2. Stop engine and allow to cool.
3. Remove accessory or tilt forward to gain access to fuel tank.
4. Clean fuel cap and surrounding area to prevent dirt from entering fuel tank.
5. Remove cap.

NOTE: DO NOT add oil to fuel. DO NOT use gasohol or gasoline containing alcohol. See Engine Manual for correct type and grade of fuel.

6. Fill fuel tank to within 1/2 in. (1.2 cm) of bottom of filler neck with unleaded fuel.
7. Replace fuel cap and tighten.
8. ALWAYS clean up any spilled fuel.

STARTING UNIT

NOTE: A warm engine requires less choking than a cold engine.

1. Move the throttle lever into the choke position by moving it fully forward.
2. Grasp recoil starter handle and pull rope out slowly until it engages.
3. Pull rope with a rapid continuous full arm stroke. Let rope rewind slowly.

NOTE: DO NOT let starter handle snap back against engine.

4. Repeat steps 2 and 3 until engine starts.
5. Move throttle lever to the rear to disengage the choke and set engine speed to idle.
6. Allow engine to warm.
7. Set throttle to desired position based on travel conditions and gear selected.

OPERATION

To Move Forward

1. Select desired speed with gear selection lever.
2. Press parking brake lever down to handlebar.
3. Gently engage clutch lever.

To Move In Reverse

1. Stop forward travel of unit.
2. Move gear selection lever to reverse position.
3. Press parking brake lever down to handlebar.
4. Check behind for obstacles and ensure that travel path is clear.
5. Gently engage clutch lever.

To Stop Unit

1. Release clutch lever.
2. Release parking brake lever.
3. Reduce engine speed with the throttle control lever.

To Empty Skip

1. Stop unit and release parking brake lever.
2. Release the skip lock by squeezing the skip release lever.
3. Jerk both handlebar handles upwards. The skip will pivot forward and dump the load.

To Reset Skip

1. Pull back on the skip.
2. Engage the skip lock by releasing the skip lock lever.
3. Ensure that skip lock has engaged before moving unit.

MAINTENANCE

MAINTENANCE CHECK LIST

Perform routine checks as outlined below. Correct any problems before using unit.

Component	Daily	Weekly
Skip Lock Spring	X	
Drive Belt Tension		X
Parking Brake Adjustment	X	
Control Cable Condition & Adjustment	X	
Air Cleaner		X
Engine Oil Level *	X	
Tire Pressures	X	
Attaching Hardware		X

*SAE 10W-30 oil is recommended for general use. Refer to engine manual for engine maintenance procedures.

Tyre Pressure

- Check tyre air pressures regularly. Recommended inflation pressure is 2.8 bar (30 psi) for all tyres.

LUBRICATION

Apply spray lubricant to skip release as necessary. DO NOT use oil or grease.



Apply
spray
lubricant.



CAUTION: Avoid injury! Explosive separation of tyre and rim parts is possible when they are serviced incorrectly:

- Do not attempt to mount a tyre without the proper equipment and experience to perform the job.
- Do not inflate the tyres above the recommended pressure.
- Do not weld or heat a wheel and tyre assembly. Heat can cause an increase in air pressure resulting in an explosion. Welding can structurally weaken or deform the wheel.
- Do not stand in front of, or over the tyre assembly when inflating.

SERVICE AND ADJUSTMENTS

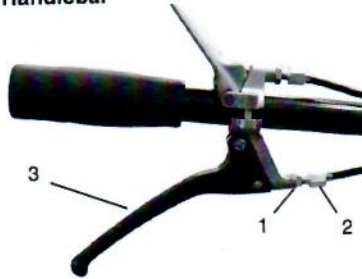
LEVER ADJUSTMENTS

(Figure 10)

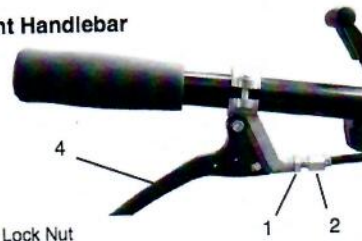
Primary clutch and skip release cable adjustments are made at the levers. To adjust:

1. Loosen lock nut (item 1).
2. Adjust cable by rotating adjustment nut (item 2). Moving adjustment nut away from the lever will result in earlier engagement.
3. Tighten lock nut.

Left Handlebar



Right Handlebar



1. Lock Nut
2. Adjustment Nut
3. Clutch Lever
4. Skip Release Lever

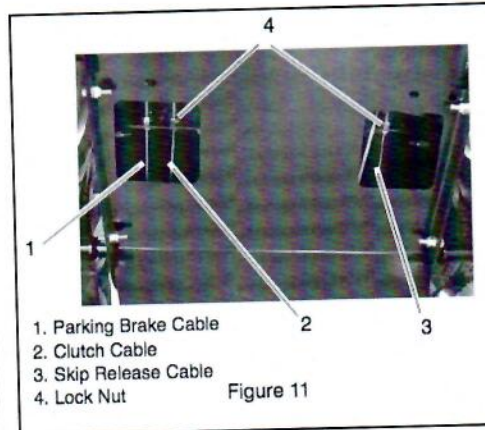
Figure 10

ADDITIONAL ADJUSTMENTS

(Figure 11)

If clutch, or skip release cable adjustments at the levers are insufficient, additional adjustments can be made to the cables under the unit:

1. Place unit in service position (See Service Position in this section).
2. Loosen lock nuts on the cable.
3. Adjust cable to desire position.
4. Tighten lock nuts.



Parking Brake Disc

(Figure 12)

If the cable adjustments do not allow parking brake to fully engage, tighten the lever attachment nut on the transmission.

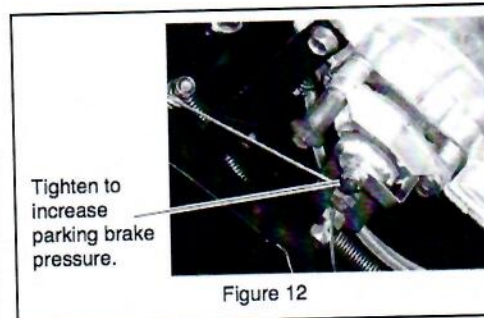


Figure 12

SERVICE POSITION

(Figure 13)

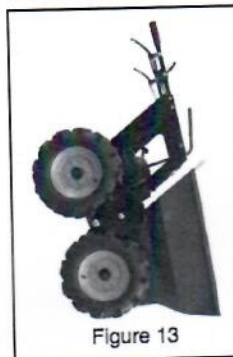


Figure 13

To access the drive belt and cable attachment points place the unit in the service position by tipping it on its front wheels and front skip edge.

Be sure to move the fuel shut-off valve to the closed position before placing in service position (see *Fuel Shut-Off Valve* on page 7).

DRIVE BELT REPLACEMENT

(Figure 14)

Removal

1. Remove two M8 hex bolts retaining bottom panel at front of unit.
2. Place unit in service position (see SERVICE POSITION above).
3. Remove remaining four M8 hex bolts retaining the bottom panel and remove the panel.
4. Loosen the hex nut retaining the belt guide tube (item 1) enough to allow belt to be removed from transmission pulley (item 2).
5. Remove the belt guide bolt (item 7) from the idler arm (item 4).
6. Remove the belt from the unit.

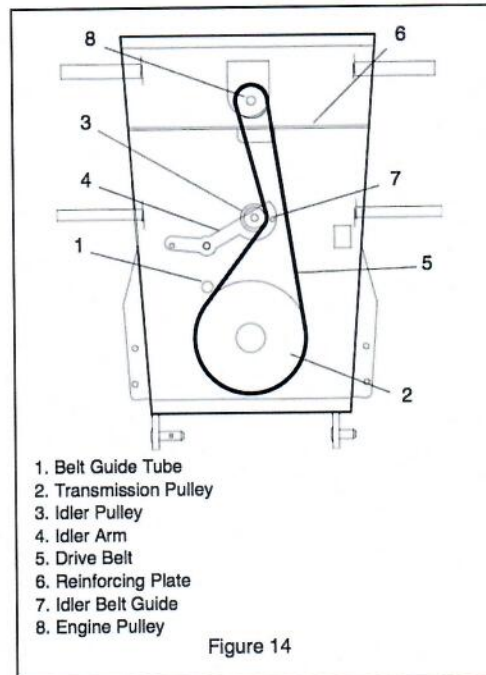


Figure 14

Installation

1. Install replacement belt on transmission pulley (item 2).
2. Tighten belt guide tube (item 1).
3. Route belt to right side of idler pulley (item 3). Outer flat portion of belt will contact pulley.
4. Install idler belt guide bolt (item 7).
5. Route belt through opening in reinforcing plate (item 6) and onto engine pulley (item 8).
6. Adjust clutch as needed. See LEVER ADJUSTMENTS on page 9.
7. Install bottom panel.