



LIPPERT
COMPONENTS®

Formerly  Atwood Mobile Products

LITERATURE NUMBER **MPD 70055**

25,000 LB. BOLT-ON COUPLER & HITCH BALL

ENGLISH

•Installation •Operation •Maintenance

Effective 11/21/07

SAFETY ALERT SYMBOLS

Safety Symbols alerting you to potential personal safety hazards. Obey all safety messages following these symbols.



WARNING

avoid possible
injury or death



CAUTION

avoid possible
injury and/or property damage

FOR YOUR SAFETY READ ALL INSTRUCTIONS BEFORE INSTALLATION AND OPERATION

Installer: Provide these instructions to the consumer.
Consumer: Keep documents for future reference.

INSTALLATION

25,000 LB. BOLT-ON COUPLER

Part No. 75074

Maximum Gross Vehicle Weight: 25,000 lbs.
Ball Size: 2-5/16" diameter
Vertical Load Capacity: 5,000 lbs.

The Atwood 25,000 lb. Bolt-on Coupler is designed for use on agricultural, industrial or commercial trailers. The trailer must have a flat vertical surface on the front of the trailer tongue for attaching the coupler by bolting.



WARNING

PERSONAL INJURY & PRODUCT DAMAGE

- Know the trailer weight and added load weight. Do not exceed the 25,000 lbs. GVWR and 5000 lb. tongue weight capacity indicated on coupler.
- Use a 2-5/16" diameter hitch ball only, with the correct towing capacity.

1. Bolt coupler to trailer frame using four 5/8" diameter, Grade 8 bolts, nuts and lockwashers. Customer must provide this hardware.
2. Tighten bolts to 160 ft. lbs. of torque.

OPERATION



CAUTION PRODUCT DAMAGE

- Use caution when backing or towing vehicle for hook-up, damage to coupler may result.
- Avoid sharp turns when towing or backing. Jack-knifing could bend coupler or create extreme stress or fracture to the coupler, coupler attachment and trailer frame.



WARNING

- Safe towing practice requires the proper use of safety chains used in accordance with instructions provided by the trailer manufacturer.
- Check that the ball has been completely inserted into the coupler ball socket and the ball clamp (inside the coupler) is closed around the underside of the tow ball and the handle is in the closed position.
- The loaded weight of the trailer must never exceed the least capacity marked on the coupler, tow ball, hitch, trailer or vehicle.
- Check coupler, hitch and ball for damage or wear before each use. Assure all parts operate freely. Replace any component if worn or damaged.
- Failure to follow warnings and instructions could result in separation of tow vehicle and trailer which can result in death, personal injury and property damage.

LATCHING INSTRUCTIONS

COUPLING PROCEDURE

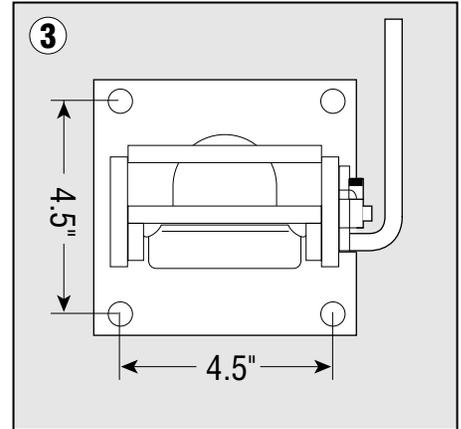
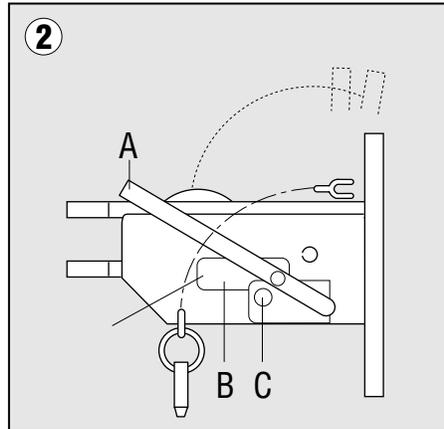
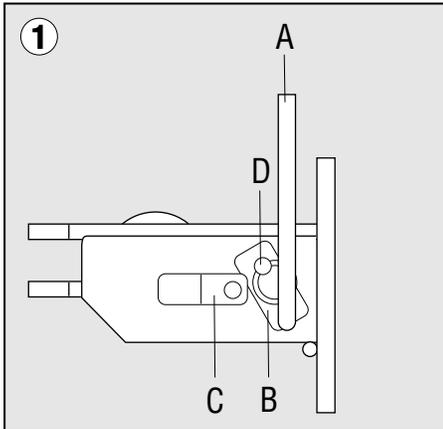
1. On level ground place wheel chocks in front and behind wheels, both sides of the trailer (4 chocks).
2. ① shows coupler handle in a latched position. To open, remove lock pin ①-D rotate handle ①-A counterclockwise a sufficient amount to allow handle tab ①-B to clear rivet tab ①-C, then pull handle away from coupler and position handle tab under rivet on outside of rivet tab as in ②.
3. Adjust trailer jacks until coupler lowers completely down on to hitch ball.
4. Check to make sure that the handle is in latched position. Place lock pin ①-D in holes of tabs ①-B, pinning the handle in place.
5. Connect power line, breakaway switch line and safety chains between truck and trailer (see trailer manufacturer's instructions).
6. Check all lights - stop, turn, tail, and brake lights for proper operation.
7. As an additional check before towing, extend jacks until truck is raised 3 to 4" to verify that coupler is securely attached to ball.
8. Completely retract trailer jacks.
9. Pick up and store wheel chocks.

UNCOUPLING PROCEDURE

1. On level ground place wheel chocks in front and behind wheels, both sides of the trailer (4 chocks).
2. Lower trailer jacks. If on soft ground, place a support under the jack feet to prevent trailer from settling.
3. ① shows coupler handle in a latched position. To open, remove lock pin ①-D rotate handle ①-A counterclockwise a sufficient amount to allow handle tab ①-B to clear rivet tab ①-C, then pull handle away from coupler and position handle tab under rivet on outside of rivet tab as in ②.
4. Raise trailer until jacks lift coupler completely above the top of ball.
5. Disconnect power line, breakaway switch line and safety chains between truck and trailer.
6. Drive truck slowly away from under trailer.

MAINTENANCE

1. Lubricate ball socket and ball clamp with wheel bearing grease. Clean and lubricate monthly.
2. Check towing hitch, ball and coupler for signs or wear before each trip. Replace coupler if damaged or worn.
3. Lubricate moving or sliding parts monthly with S.A.E. 30 weight oil.
4. Check the mounting bolts for the proper torque - 160 ft. lbs.



25,000 LB. HITCH BALL

Part No. 75380

Maximum Gross Vehicle Weight: 25,000 lbs.
 Ball Size: 2-5/16" diameter
 Shank Size: 1-1/4" - 12 UNF thread
 Vertical Load Capacity: 5,000 lbs.

INSTALLATION

! WARNING

PERSONAL INJURY & PRODUCT DAMAGE

- The Atwood Ball is intended to be mounted on a drawbar or hitch platform located at the rear of the tow vehicle.
- Do not weld ball.

1. Ball must be installed in a drawbar having a hole size 1.281" diameter and a thickness of 1.00" maximum.
2. Attach the drawbar with nut ④-A and lock washer ④-B supplied with ball (see figure 4). Torque nut to 350/450 ft. lbs.

MAINTENANCE

! WARNING

PERSONAL INJURY &/or PROPERTY DAMAGE

- Replace ball if signs of cracking or flat spotting appear.

1. Check monthly that the bolt or nut is tightened to the correct torque.
2. Lubricate ball monthly with wheel bearing grease.
3. Check monthly for ball wear.

