

# Mumby Manufacturing Ltd.

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## **INSTALLATION INSTRUCTIONS**

### **MUMBY REMOVABLE BALL GOOSENECK HITCH**

**Model MUM – 047471500**

1. Drill a 3" – 3 1/8" hole, centered between the wheel wells, and 1" - 5" ahead of the axle, making sure that you are at least 6 1/4" from the nearest cross member (floor support) under the box. **SEE MEASUREMENT CHART BELOW.**  
**NOTE: FOR GMC AND CHEV SHORT BOX TRUCKS, SEE SPECIAL INSTRUCTIONS BELOW.**
2. Slide the 1"x4"x47" support plates between the frame and the truck box, above the wheels. More working space can be created by jacking up the rear of the truck up slightly.
3. Bolt the ball assembly loosely to the bottom of the plates with 5/8" hex-head bolts so that the release lever is to the passenger side of the ball socket.
4. Bolt angle brackets to the bottom of the plates (3/8" dowel hole to front). **NOTE:** The bracket with the 3" offset top hole to accommodate the brake line bracket, goes on the outside of the drivers side truck frame, with carriage head bolts. Now tighten the ball assembly to the plates.
5. Place 3/8 x 2 1/2" x 6 3/4" plates on the inside of the frame and bolt across with the 1/2" X 4 1/2" bolts supplied. **BE SURE ALL LINES & WIRES ARE OUT OF THE WAY.**
6. Align the hitch assembly so that the ball receiver socket is in the 3" hole in the floor of the truck box, 1/8" above the bottom rib. Align the hitch so that it is square with the truck frame and tighten bolts around frame.
7. Drill a 5/16" hole through the outside wall of the truck frame through the existing 3/8" hole located in the front part of the side bracket (this must be done on each side of the truck). **DO NOT DRILL THROUGH THE INSIDE WALL OF THE FRAME.**
8. Tighten the 3/8" x 1 1/4" self tapping bolts through the hole of the bracket and into the 5/16" hole in the frame.
9. Drill two 1/2" holes 5" and 5 3/4" from the centre of the 3" hole (off to the passenger side) to accommodate the lever used to release the ball latch and to provide a view of the locking indicator.

10. For proper maintenance, the ball **MUST** be removed regularly and the shank of the ball and the locking pin cleaned and lightly coated with a light lubricant. Periodic lubrication and cleaning of the ball shank is necessary for your removable ball hitch to keep performing properly.

## AN APPROXIMATE GUIDELINE FOR BALL PLACEMENT IN VARIOUS TRUCKS

**Note:** Measure from the back end of the floor of the truck box forward to the center of the ball. All measures are approximates. Drill a pilot hole first, then check to make sure you are at least 6¼" from the nearest cross member.

FORD	YEAR	DISTANCE
Short box F150, F250, F350	1986 +	44.5"
Long box F250, F350	1986 +	47"
Long box F150	1997 +	46"

CHEV & GMC	YEAR	DISTANCE
Short box	1987 +	39"
Long box	1987 +	
Ext Cab Long Box dually	2003	46.5"

DODGE	YEAR	DISTANCE
Short box	1994 – 2002	40.5"
Long box	1994 -2002	45.5"
¾ ton & 1 ton	2003	See installation instr.

### Components in the MUM – 047471500

<u>Quantity</u>	<u>Description</u>	<u>Quantity</u>	<u>Description</u>
1	– Ball Assembly (Includes Ball)	1	– Release lever
2	– 47" Plates	1	– Storage Case
1	– Bolt Kit	1	– Plastic Plug
2	– 16" mounting brackets		
1	– Safety Chain Plate		

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**THE MUMBY REMOVABLE BALL GOOSENECK HITCH**  
SPECIAL INSTALLATION INSTRUCTIONS FOR  
CHEV AND GMC SHORTBOX TRUCKS

- Drill a 3" hole in the box floor directly above or in front of the axle 39" ahead of the back end of the box.
- Remove Heat Shield
- Cut out a section of the center cross member about 13" wide and 1" deep (5" on each side of the 3" hole).
- Slide the two support plates (1"x 4"x 47") along each side of the cross member.
- Use 16" angle brackets to attach plates to the truck frame.
- Replace heat shield after hitch is installed

