

# RUBBER PIN BOX

## INSTALLATION INSTRUCTIONS



### REQUIRED TOOLS:

- Tape measure
- Impact gun or ratchet
- Match size of socket and wrench to pin box hardware: 3/4", 15/16", or 1-1/8"
- Torque wrench capable of 250 ft-lbs
- Centering pin (or screwdriver)
- Drill & bit to remove items such as exterior lights, breakaway switches, & power cord boxes

### OPTIONAL MATERIALS:

- Plywood to protect bed of truck
- Wood spacer block to help position pin box during installation

**⚠ WARNING** Failure to follow these instructions and heed the warnings of this document may result in death or serious injury, damage to the vehicle and/or trailer, and/or voidance of the product warranty. Always utilize appropriate safety equipment, i.e. proper eye protection, hearing protection, gloves, etc.

**⚠ WARNING** Avoid positioning any part of your body under the trailer, between the tow vehicle and trailer, or between the tow vehicle or trailer and pin box. Unintended movement of the tow vehicle or trailer may result in serious injury or death. In the event that you must place part of your body under the trailer or between the truck and trailer, you MUST complete ALL of the following steps:

- Put the truck transmission in park.
- Set the truck emergency brake.
- Place blocks in front of and behind all trailer tires.
- Deploy and ensure that the trailer's landing gear rests firmly on the ground.

**⚠ WARNING** Due to the weight and size of the pin box, do NOT attempt this installation alone. At least (2) people are required for the installation of this system.

**NOTE:** For Operating Information, refer to the MORryde Rubber Pin Box Owner's Manual. This document can be found at <http://www.morryde.com/product-documentation>.



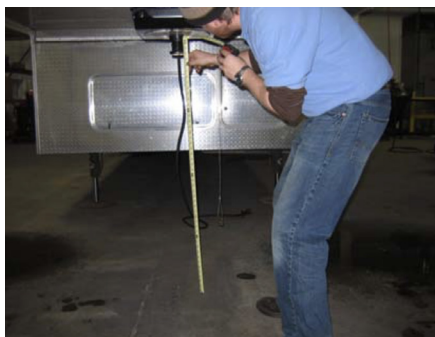
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# INSTALLATION

## STEP 1

Measure and make note of the distance from the bottom of the factory king pin to flat, level ground directly below.



## STEP 2

Note the locations of the bolts for the factory pin box; the MORryde system should be installed using the same factory hole settings.

**NOTE:** Due to minor misalignment of the mounting holes, some telescoping pin boxes may require (1) or (2) holes to be re-drilled for the bolts to fit properly.



## STEP 3

Remove any items attached to the factory pin box (i.e. power cord box, breakaway switch, exterior lights, lube plate, etc).

## STEP 4

Remove all but (2) of the bolts securing the pin box to the 5th wheel frame. Leave (1) bolt in place on the left side at the front and (1) bolt on the right side at the rear.

**⚠ WARNING** Do NOT remove the last (2) bolts until Step 5 is complete.



## STEP 5

Back the tow vehicle up to the 5th wheel and hook the trailer to the truck hitch.

## STEP 6

Ensuring that all parts of your body are clear of the pin box, remove the remaining (2) bolts.

**⚠ WARNING** The rear of the pin box will fall into the bed of the truck when the bolts are removed. Ensure that your body is clear of the pin box and no part of your body is between the pin box and tow vehicle. It is also recommended to protect the bed of the truck by placing a piece of wood across it.



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# INSTALLATION

## STEP 7

Using the landing gear on your 5th wheel, raise the trailer 2" – 3". Pull the truck forward until the pin box clears the trailer.



## STEP 8

Remove the factory pin box from the truck hitch and replace it with the MORryde Pin Box.

**NOTE:** Place a spacer block under the rear portion of the pin box so that it can be positioned for installation.



## STEP 9

Back up the tow vehicle until it is once again under the trailer and the rear of the MORryde Pin Box aligns with the mounting brackets on the trailer. Move the tow vehicle forward or back and the landing gear of the trailer up or down in order to align the mounting holes.

## STEP 10

Using a centering pin, center the holes and install (1) bolt on the left side and (1) on the right in opposing locations. Release the king pin from the truck hitch and pull the truck forward.



## STEP 11

Verify that the pin height is within +/- 1/2" of the factory setting as determined in Step 1 before installing the remaining bolts and nuts.

**NOTE:** If the pin height is not within +/- 1/2" of the factory setting, use a higher or lower set of mounting holes to achieve the correct height. If the pin height cannot be achieved by adjusting the hole setting, it may be necessary to adjust the 5th wheel hitch.

## STEP 12

Using the torque wrench, check all bolts to ensure they are tightened to specifications as listed on the Torque Chart below.



## TORQUE CHART

BOLT SIZE	GRADE 5 ZINC	GRADE 8 ZINC
1/2-13	65 ft-lbs	95 ft-lbs
5/8-11	135 ft-lbs	190 ft-lbs
3/4-10	220 ft-lbs	—



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