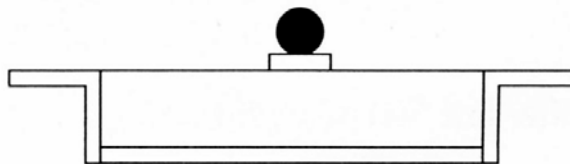


# The CODY™ Universal Hitch



## Model A050, A050-U & A050-P

PATENT #6099015



The Big Dog Among Hitches"

### OWNER'S MANUAL

Part # D142

### CODY MODEL A050, A050-U, A050-P HITCH

MANUFACTURED BY

Quick Hitch, Inc.

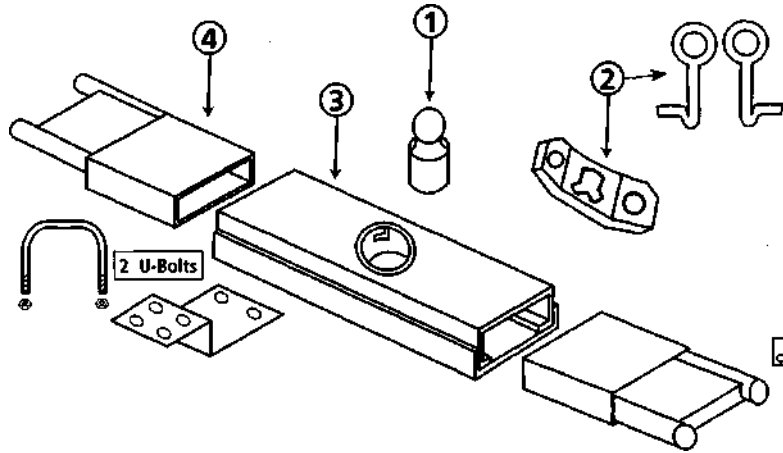
970-378-9929

## SAFETY NOTES FOR THE CODY HITCH

1. Be sure to read all instructions and safety precautions before proceeding with installations.
2. Do not use any open flame under bed of truck to cut or weld. There is extreme danger of explosion or fire.
3. Vehicle must be securely blocked and brakes set before working underneath.
4. Do not clamp hitch over any electrical wiring or brake lines.
5. Always make sure trailer is loaded slightly tongue heavy. Do not pull a trailer that is lighter on the tongue end.
6. The ball is properly latched when it will move freely up and down about 1 (one) inch. When the ball is in the latched position it will not turn.
7. Retorque bolts after first 500 miles of trailer towing; thereafter check during normal truck service.
8. Use safety chains when towing a trailer.
9. The ball in the stored position extends 73/4" (the length of the ball) below the truck bed. Check to **make sure it will not obstruct or damage truck components** under various load conditions.
10. Remember, when you pull a gooseneck trailer you essentially become a "trucker" and should do routine checks of your towing equipment for loose and missing bolts, cracked or broken parts or excessive wear, especially in the hitching and safety devices. This is a basic requirement for the DOT.

# Parts List

For A050, A050-U & A050-P Universal Cody Hitch



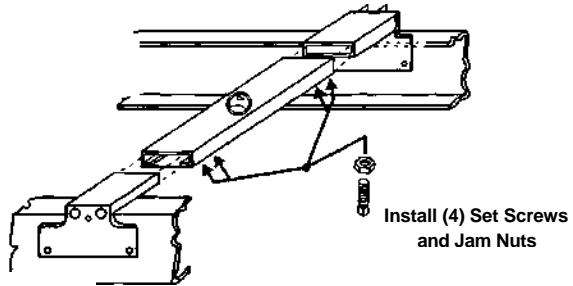
STANDARD  
A050

A050-U A050-P

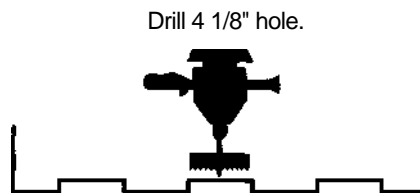
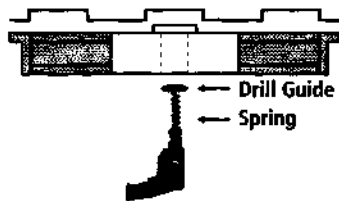
ITEM NO.	QTY	PART NO.	PART DISCRETION	QTY	QTY
1	1	A014 A028	Standard Ball Safety Plate Ball	1	1
2	2	A048 AD141 AD 146	Chain Hooks, Left and right Safety Hook Plate U-Bolt plain left and right	2	1
3	1	AW042	Center Beam Weld	1	1
4	2	AW034	Ext. Tube Weld	2	2
5*	2	AD140	03 Standard End Plate	2	2
	1	A031	03 Instruction Pack (1) Owner Manual (1) Operation Decal	1	1
	1	A029	Bolt Bag (1) Drill Guide, Plate & Spring (6) 1/2x1 1/2" Hex bolt, GRD 8 (2) 1/2" lock washer (4) 1/2" lock nut (4) 1/2" jam nut (4) 1/2x1 1/4" square set screw (A029 only) (4) 1/2x1 1/2" square set screw (A029 - only) (1) A005 U-bolt Assbly (A029-U only)	1	1
<b>Optional Kits</b>					
Qty	Part#	Description	Qty	Part#	Description
1 1	A036	CMC Short bed No Drill kit	1 1	A039-L	Long U-Bolt kit 87 and
1 1	A037	Ford No Drill kit Dodge No	1	A042	older CMC 93 and
1	A038	Drill kit Optional U-Bolt kit	1	A046	older dodge 2500 CMC
	A039	2004 1/2 Ton Ford		A047	Lg-Bed 3500 CMC Lg-
	A044				Bed

## Quick Reference Pictorial Installation Instructions

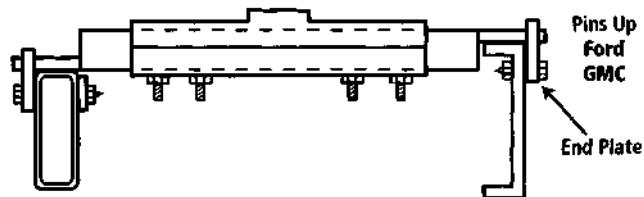
1. Position assembly under bed.  
Install (4) set screws and jam nuts.
2. Wedge and shim against truck bed, if necessary.



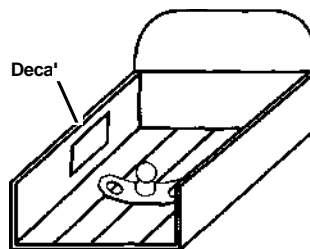
### 3. Drill 1/4" pilot.



4. Rewedge and shim, pressing sleeve through 4 1/8 inch hole; then drill and bolt end



plates to frame.  
Pins Down  
Dodge



5. Affix decal.  
Install safety hook, plate or U-bolt plates under set screw jam nuts.

## Detailed Installation Instructions

Before beginning installation, read through the entire instructions to become familiar with the procedure. Note that the procedure followed in these instructions is to position the hitch under the truck bed to drill the hole for the ball. If preferred, the hole for the ball could be laid out and drilled first although care must be taken with the hole so that there is an unobstructed space under the bed to accommodate the Cody Hitch. Two instruction formats are presented; a quick reference pictorial instruction page (opposite page) followed by a detailed written installation instruction procedure (below).

Step 1: Slide an extension tube into each end of the center beam. Loosely install (4) set screws and jam nuts into the bottom of the hitch. An alien head set screw is furnished if it is needed to clear the tailpipe, (figure 1) Note that the two V'pins extending from the tubes are not centered and are installed so that the pins are towards the top of the hitch (Ford and GMC). If the gap between the frame rails and the truck bed is at least 2 1/4" then they are installed so that the pins are towards the bottom of the hitch (Dodge).

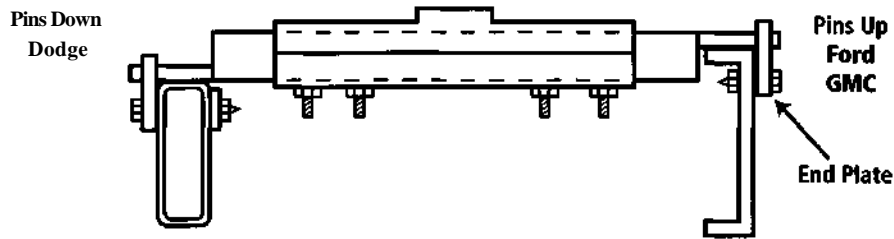


FIGURE 1

Step 2: Position the assembly in Step 1 under the truck bed so that the pins on the extension tube rest on the truck frame rails, (figure 1)

NOTE: Additional clearance between the bed and the truck frame can be obtained by either loosening the bed bolts or by prying under a bed brace to gain 1/4 to 1/2 inch to help position the hitch.

Step 3: Install the (2) end plates on the pins of the extension tubes extending over the frame rails with (2) 1 1/2 "cap screws and lock washers. Tighten to 100 ft-lbs. Slide the the end plates snug against the frame rails, center and position the hitch in the desired location. Snug the set screws under the center beam tight enough to prevent the center beam from moving out of position.

If a No Drill kit is being used, align the holes in the No Drill plate so that they will match the existing holes in the frame once the hitch is raised to its final position. With the Dodge No Drill kit the clamp plate is centered on the axle so that the clamp bolts will span the axle bumper mount. With the 2004 1/2 Ton Ford No Drill kit the notch in the plate fits over the cross rib. (figure 2)

NOTE: Some of the kits have right and left sides and need to be matched accordingly, (figure 2) GMC Long bed kits clamp and use one existing hole in the frame (not shown)

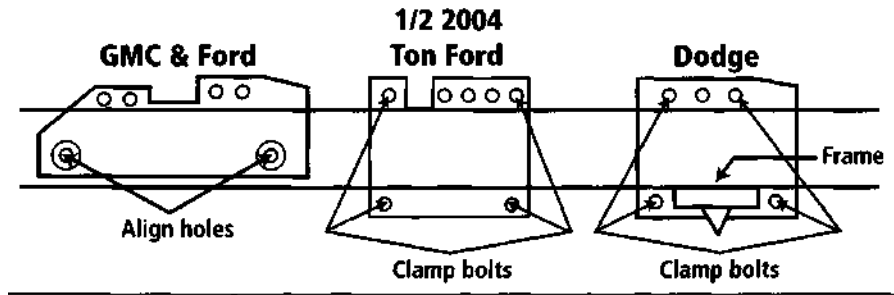


FIGURE 2

Step 4: Raise the hitch so that the sleeve in the center beam is pressing firmly against the bed of the truck by prying each end of the hitch up off of the frame rails. If necessary, install temporary shims (not included) between the hitch and the frame as needed to hold the hitch in place. Be sure the hitch is still located where it was positioned in Step 3 and readjust as necessary.

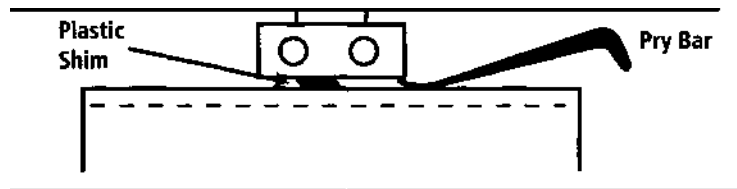


FIGURE3

Step 5: (figure 4) Chuck a 1/4 inch drill bit in a small drill (small enough to fit between the differential and the truck bed) and position the spring then the drill pilot plate over the drill bit as shown. From under the truck, guide the drill and pilot assembly through the bottom of the Cody Hitch receiver sleeve in the center beam. Be sure the spring is holding the pilot plate against the bottom of the truck bed and drill a 1/4 inch hole through the bed, bed liner and or mat if present. If a bed liner or mat are present, be sure they are positioned and centered properly before drilling.

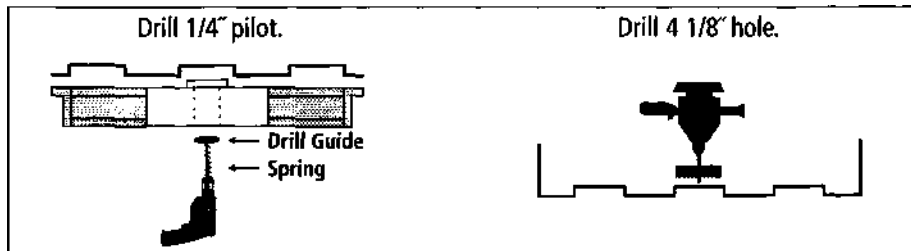


FIGURE 4

**Step 6:** From inside the truck box drill a 4 1/8 inch hole in the truck bed (including liner etc.) using the 1/4 inch hole drilled in **Step 5** as a guide for the appropriate hole saw. Once the hole is drilled, the bed should drop down over the receiver sleeve making a nice fit between the truck bed and the Cody Hitch.

**Step 7:** Repeat **Step 4** prying and wedging the hitch upward so that the center sleeve of the hitch extends through the bed and the hitch beam is tight against the bed. (Use shims to hold in position, if necessary.)

**Step 8:** If the Universal Standard end plates are being used **BE SURE THE BRAKE LINE**

\* -,<,,,\* **AND WIRING HARNESS** or any other object fastened to the inside frame rail are pulled out of the way and drill four 17/32 diameter holes in the truck frame using the end plates as a template. Loosen the set screws snugged in **Step 3** and install four 1/2 x 1 1/2 inch hex head cap screws and lock nuts in the holes drilled and tighten to 100 ft. lb. **NOTE:** For Dodge tubing frames, (4) 1/2x4 1/2 bolts will need to be acquired (not included). Tighten and set the set screws and lock with the jam nuts

If a No Drill kit is being used, replace the end plates with those supplied in the kit and bolt or clamp them to the truck using special hardware in the kit as well as from the hitch bolt bag as needed. Tighten all bolts to 70-100 ft. lb. (figure 2) For Dodge and 2004 1/2 Ton Ford clamp-on plates, tighten bolts until the clamp parts bend conforming to the frame, approximately 70 ft. lbs.

**Note A050-U installation:** To install an A050-U (A050 with safety chain U-Bolt kit) install the U-Bolt plates under the jam nuts. **Caution!** be sure to set the set screws into the extension tubes before securing the U-Bolt plate and locking the lock nuts.

U-Bolt plates can be installed either in front or behind the hitch beam.

**Use standard safety precautions  
including safety glasses and  
proper use of power tools.  
Be sure vehicle wheels are  
securely blocked and  
brake is set**

A050-U

A050

A050-P

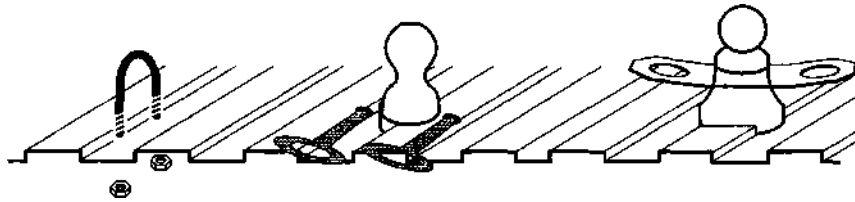


FIGURE 5

Step 9: To complete the installation install the safety chain hooks by \_\_\_\_\_ flattened tab into the slots on each side of the ball and "roll" the rTools down into position. The short L. H. hook is installed on the left and the longer right hook on the right. For A050-P affix the safety hook plate to the ball by aligning the notches to the pegs on the ball, and turn 180°. For A050-U installation drill (4) holes from under the truck through the truck bed so that the U-Bolts can be installed in a valley of the bed ribs, (figure 5)

NOTE: The lock spring on the ball is compressed by the safety chain hooks which takes the place of the lock spring and serves the same function. In fact, it is impossible to install the safety hooks if the ball is not latched properly. These hooks can be attached permanently to your trailer and additional hooks can be purchased for more trailers.

Step 10: Affix the operators instruction decal on the inside of the truck bed side wall so that it can be readily seen by the operator using the reversible ball, (figure 7)

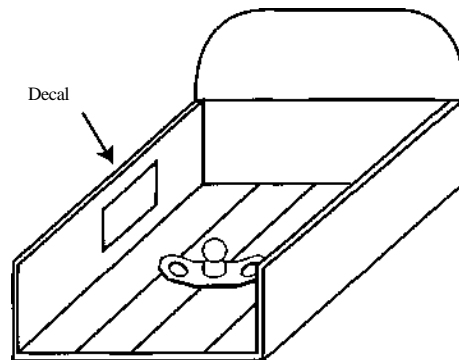


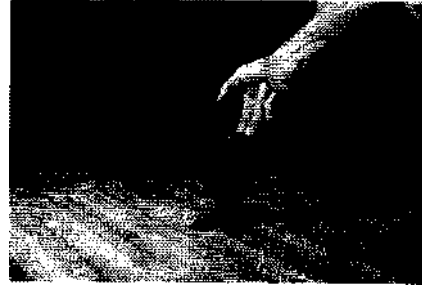
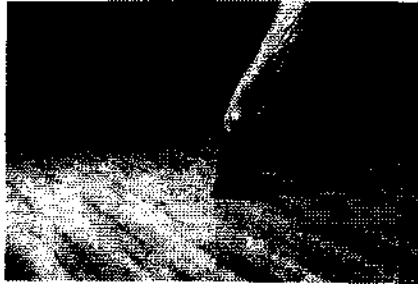
FIGURE 7

*MAKE SURE THAT THE OPERATOR  
UNDERSTANDS THE LATCHING  
PROCEDURE*

**RETORQUE BOLTS AFTER INITIAL USE!**

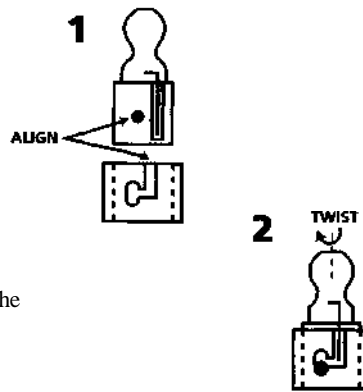


## How the New Patented Cody Hitch Ball Works



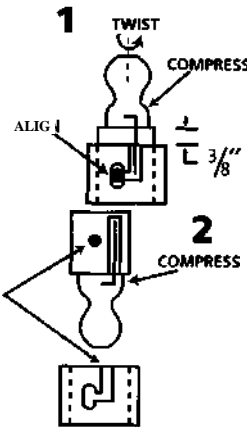
### TO INSTALL BALL

1. Align pins with slots in hitch, drop into hitch.
2. Twist ball 30° clockwise, until ball drops into position and locking spring snaps in slot. The ball is now latched in the correct operating position.



### TO REMOVE BALL

1. Lift ball approximately 3/8 inch to align pins with horizontal slot, compress locking spring, twist 30° counter-clockwise and pull ball from hitch.



### TO INSTALL IN RECESSED POSITION

1. Align pins with slots in hitch.
2. Compress locking spring and push into hitch.
3. Pull straight up to remove.



position may strike the truck conditions especially on

**Caution:** The ball in the recessed differential under heavy loaded lighter duty trucks.

