DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT!

60624 SUBKIT CHEVY & GMC 2500 / 3500 SHORT AND LONG BED

3/30/2016 PAGE 1 OF 4

NOVICE (DIY): 90 MINUTES

NO MEASURING DRILL LOCATIONS

INSTALL NOTES:

- LOWER SPARE TIRE

- TRIM HEAT SHEILD

- NO DRILLING INTO FRAME - NO LOWERING EXHAUST

WARNING!! BRAKE, FUEL, AND ELECTRICAL LINES MAY NEED TO BE LOOSENED OR REPOSITIONED TO PROVIDE CLEARANCE FOR NEW HARDWARE. ALL MODELS REQUIRE MODIFICATION OR REMOVAL OF HEAT SHIELDS. ON SHORT BED MODELS, CHECK FOR ADEQUATE TURNING CLEARANCE BETWEEN THE FRONT OF ALL TRAILERS AND THE TRUCK CAB. ON TWO WHEEL DRIVE TRUCKS A CLEARANCE CHECK MUST BE PERFORMED WHEN TRUCK IS LOADED AND UNLOADED TO VERIFY THE INVERTED BALL WILL NOT INTERFERE WITH THE TOP OF THE DIFFERENTIAL

Hardware					
ITEM	QTY	PART NUMBER	DESCRIPTION		
1	6	1_2 - 13 x 1 1_2 HEX, GR8	HEX BOLT		
2	6	1/2	CONICAL TOOTHED WASHER		
3	4	1/2-13 x 1 1/2, GR8	CARRIAGE BOLT		
4	1	CM-SP12	.250 x 1.00 x 2.00" SQUARE HOLE SPACER		
5	4	HFN 1213, GR8	HEX FLANGE NUT		
6	6	5/8-11 x 1 3_4, GR8	CARRIAGE BOLT		
7	6	CM-SP9	.250 x 1.25 x 2.50" SQUARE HOLE SPACER		
8	6	5/8-11, GR8	HEX FLANGE NUT		
9	4	5_8 FISHWIRE	5/8" FISHWIRE		
10	2	1/2 PNBR	1/2" PUSHNUT BOLT RETAINER		
11	4	M16 - 2.00 x 35 HHCS	M16 - 2.00 x 35 HHCS GR10.9 YZ		
12	4	5_8 LOCK WASHER	HELICAL LOCK WASHER		
13	4	5_8 WASHER	WASHER		

Parts List					
ITEM	QTY	PART NUMBER	DESCRIPTION		
Α	1	60624-FCA	FRONT CROSS ARM		
В	1	60624-RCA	REAR CROSS ARM		
С	1	60624-DS	DRIVER SIDE PLATE		
D	1	60624-PS	PASSENGER SIDE PLATE		



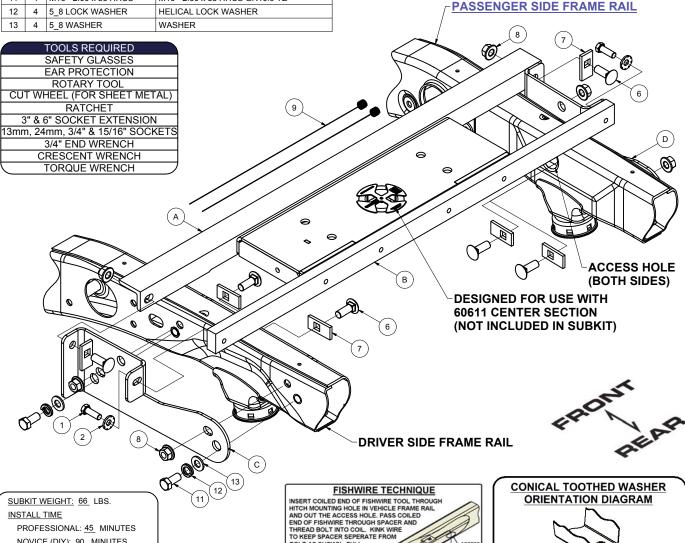
8

HITCH SIDE

VEHICLE FRAME

CONICAL TOOTHED

WASHER



PERIODICALLY CHECK THIS GOOSENECK HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.

TO KEEP SPACER SEPERATE FROM
BOLT AS SHOWN. PULL
FISHWIRE, SPACER, AND
BOLT THROUGH FRAME
AND OUT MOUNTING HOLE.
USE FISHWIRE TO GUIDE
HITCH DURING MOUNTING AND PREVENT LOSS OF BOLT /
SPACER INSIDE FRAME RAIL.
"MOTE: SOME VEHICLES MAY PISHWIRE THROUGH END OF FRAME"

Curt Manufacturing Inc., warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing Inc., may repair or replace the product, at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing Inc.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.

DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT!

60624 SUBKIT CHEVY & GMC 2500 / 3500 SHORT AND LONG BED

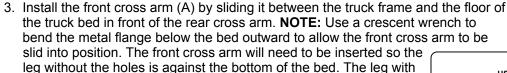
PAGE 2 OF 4



WARNING!! BRAKE, FUEL, AND ELECTRICAL LINES MAY NEED TO BE LOOSENED OR REPOSITIONED TO PROVIDE CLEARANCE FOR NEW HARDWARE. ALL MODELS REQUIRE MODIFICATION OR REMOVAL OF HEAT SHIELDS. ON SHORT BED MODELS, CHECK FOR ADEQUATE TURNING CLEARANCE BETWEEN THE FRONT OF ALL TRAILERS AND THE TRUCK CAB. ON TWO WHEEL DRIVE TRUCKS A CLEARANCE CHECK MUST BE PERFORMED WHEN TRUCK IS LOADED AND UNLOADED TO VERIFY THE INVERTED BALL WILL NOT INTERFERE WITH THE TOP OF THE DIFFERENTIAL

INSTALLATION STEPS:

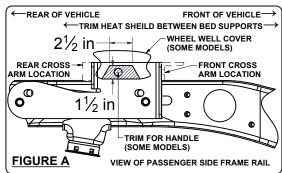
- 1. Temporarily remove spare tire. The exhaust heat shield will need the width trimmed from it between the bed supports. Hold the gooseneck side plate (C) or (D) against the mounting location on the frame to verify the correct portion to remove, see **FIGURE A**. Use of a rotary cutting tool is recommended for heat shield trimming. On 2016 and newer models, remove the (4) bolts holding the rear heat shield with a 13mm socket and return to owner.
- 2. Run a 1/2"-13 bolt or 1/2"-13 tap through the rear cross arm's (B) threads to remove powder coating or debris. If present, trim plastic FIGURE A wheel well cover on the driver side (to install cross arms and for the gooseneck handle), see FIGURE A. Install rear cross arm by sliding it between the frame and the bottom of the truck bed approximately above the rear tire. Once the rear cross arm spans the frame rails and in the correct location, see FIGURE A, rotate the cross arm vertically. **NOTE:** The outside tapped holes in the rear cross arm are offset 1/8" and the cross arm needs to be rotated so the holes are offset towards the frame, see FIGURE B. A crescent wrench can be used as a lever on the cross arm to ease rotating process.

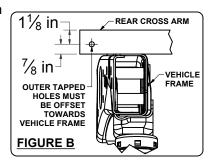


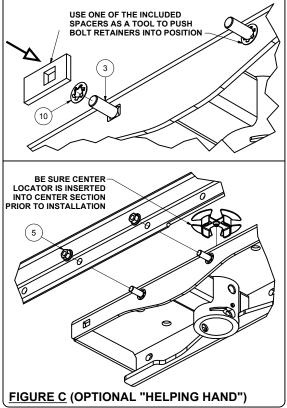
4. Loosely attach the center section to the cross arms. **NOTE:** The cylinder in the center section should offset towards the rear of the vehicle. Be sure center locator is inserted into the center section cylinder prior to installing. **OPTIONAL:** Two pushnut bolt retainers (10) are included to give a "helping hand" to the installation process. If desired, put one 1/2" x 1 1/2" carriage bolt (3) through each of centermost slots in the center section on the side that fastens to the front cross arm. Be sure the serrations in the bolt retainer are angled away from the center section and push a bolt retainer onto the two carriage bolts. Use one of the included spacers as a tool to push the bolt retainers into position, see **FIGURE C**. Loosely attach the front cross arm to the center section by using four 1/2" x 1 1/2" carriage bolts (3) and four 1/2" hex flange nuts (5), see **FIGURE D**. **NOTE:** The carriage bolt over the fuel tank should be inserted through the front cross arm with a CM-SP12 spacer (4). Attach the center to the rear cross arm using the four 1/2" x 1 1/2" hex bolts (1) with four 1/2" conical toothed washers (2), see FIGURE D.

the holes should face the rear of the vehicle, see **FIGURE A**.

- 5. Place the side plates at the mounting locations and adjust the placement of the cross arms as needed.
- 5a. On 2015 and older models: Fishwire two 5/8" x 2" carriage bolts (6) with CM-SP9 spacers (7) in position through access hole. Leave fishwires (9) attached to hardware to prevent loss of hardware inside frame, see fishwire technique on PAGE 1. Carefully remove fishwires and attach side plate to frame with 5/8" flange nuts (8).







PERIODICALLY CHECK THIS GOOSENECK HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.

Curt Manufacturing Inc., warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing Inc., may repair or replace the product, at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing Inc.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage

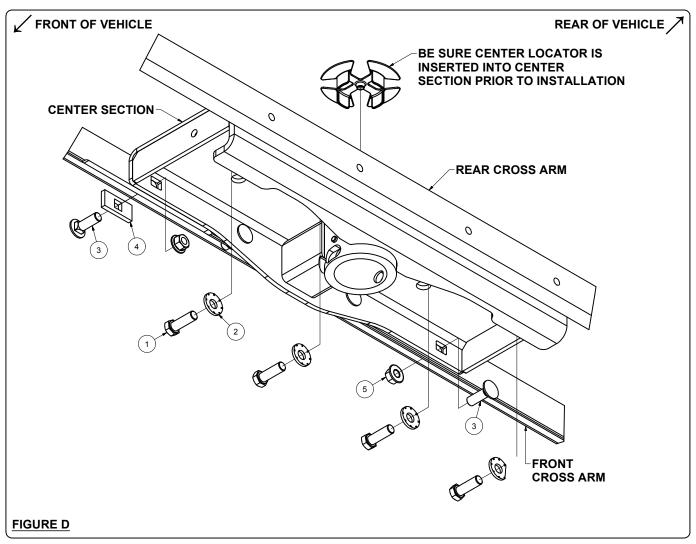
DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT!

60624 SUBKIT CHEVY & GMC 2500 / 3500 SHORT AND LONG BED

PAGE 3 OF 4



WARNING!! BRAKE, FUEL, AND ELECTRICAL LINES MAY NEED TO BE LOOSENED OR REPOSITIONED TO PROVIDE CLEARANCE FOR NEW HARDWARE. ALL MODELS REQUIRE MODIFICATION OR REMOVAL OF HEAT SHIELDS. ON SHORT BED MODELS, CHECK FOR ADEQUATE TURNING CLEARANCE BETWEEN THE FRONT OF ALL TRAILERS AND THE TRUCK CAB. ON TWO WHEEL DRIVE TRUCKS A CLEARANCE CHECK MUST BE PERFORMED WHEN TRUCK IS LOADED AND UNLOADED TO VERIFY THE INVERTED BALL WILL NOT INTERFERE WITH THE TOP OF THE DIFFERENTIAL



5b. On 2016 and newer models: loosely install the side plate (C) and (D) with the supplied 16mm bolts (11), 5/8" lock washers (12) and 5/8" washers (13) into the existing weldnuts in the frame of the vehicle.

NOTE: Slide plate rearward as far as possible (to ensure hitch is square on vehicle). Repeat on other side.

- 6. Attach side plates to the cross arms. Place 5/8" x 1 3/4" carriage bolt (6) with CM-SP9 spacer (7) through the front flange in the side plate and front cross arm and attach with 5/8" hex flange nut (8). Attach the rear flange on the side plate to the rear cross arm using a 1/2" x 1 1/2" hex bolt (1) with 1/2" conical toothed washer (2), see PAGE 1. Repeat on other side.
- 7. **NOTE:** Be sure the center section is centered on the vehicle by verifying the sides of the center section are in the same location on bed ribs. Torque all fasteners in the following order: First: Torque the side plates to the truck frame on both sides. Second: Torque the center section to the front and rear cross arms. Third: Torque the side plates to the front and rear cross arms. Torque all 5/8" fasteners to 210 ft-lbs, 1/2" fasteners to 110 ft-lbs and 16mm fasteners to 196 lb-ft.

(REFER TO 60611 GOOSENECK HITCH INSTRUCTIONS FOR INSTALLATION COMPLETION AND OPERATING PROCEDURES) *** DO NOT DRILL DIMPLES IN TRUCK BED FOR THE GOOSENECK BALL ***

> PERIODICALLY CHECK THIS GOOSENECK HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.

Curt Manufacturing Inc., warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing Inc., may repair or replace the product, at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing Inc.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage

DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT! CAB TO TRAILER CLEARANCE **REMOVAL OF REAR WINDOW ACCESSORIES MAY BE REQUIRED.** PAGE 4 OF 4 COUPLER OVERHANG-TRAILER 4 in (W) COUPLER-***GENERALLY, TAPERED NOSE TRAILERS ADHERE TO THE FOLLOWING DESIGNS:*** 96 in 8 FT. WIDE TRAILERS TAPER TO 6 FT. AT THE COUPLER. 72 in 7 FT. WIDE TRAILERS TAPER TO 5 FT. AT THE COUPLER. 36 in LONG & SHORT TRUCK BEDS 49 in 44 ½ in-CAB OF TRUCK (MEASURE) (MEASURE) CAB OF TRUCK HITCH BALL (X) (X) LONG BED SHORT BED (BETWEEN 96 in & 98 in) (BETWEEN 72 in & 82 in) **CLEARANCE CALCULATION** (CAB TO BALL CENTER) - 1/2 (TRAILER WIDTH) = (MINIMUM CLEARANCE) IF THERE IS AN OVERHANG FROM THE COUPLER THEN THE EQUATION IS: (Y)

IF (Z) IS POSITIVE, TRAILER <u>WILL NOT</u> INTERFERE WITH CAB OF TRUCK.
IF (Z) IS NEGATIVE, TRAILER **WILL** INTERFERE WITH CAB OF TRUCK!!!

EXAMPLE:

STANDARD TRAILER

X - Y = Z

35 - 36 = -1

(TRAILER WILL INTERFERE WITH CAB)

TRAILER WITH OVERHANG

[(X) - (W)] - Y = Z

[35 - 4] - 36 = -5

(TRAILER **WILL INTERFERE** WITH CAB)

YOUR CALCULATION:

(CAB TO BALL CENTER)

(COUPLER OVERHANG)

1/2 (TRAILER WIDTH)

(MINIMUM CLEARANCE)

Curt Manufacturing Inc., warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing Inc., may repair or replace the product, at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing Inc.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.