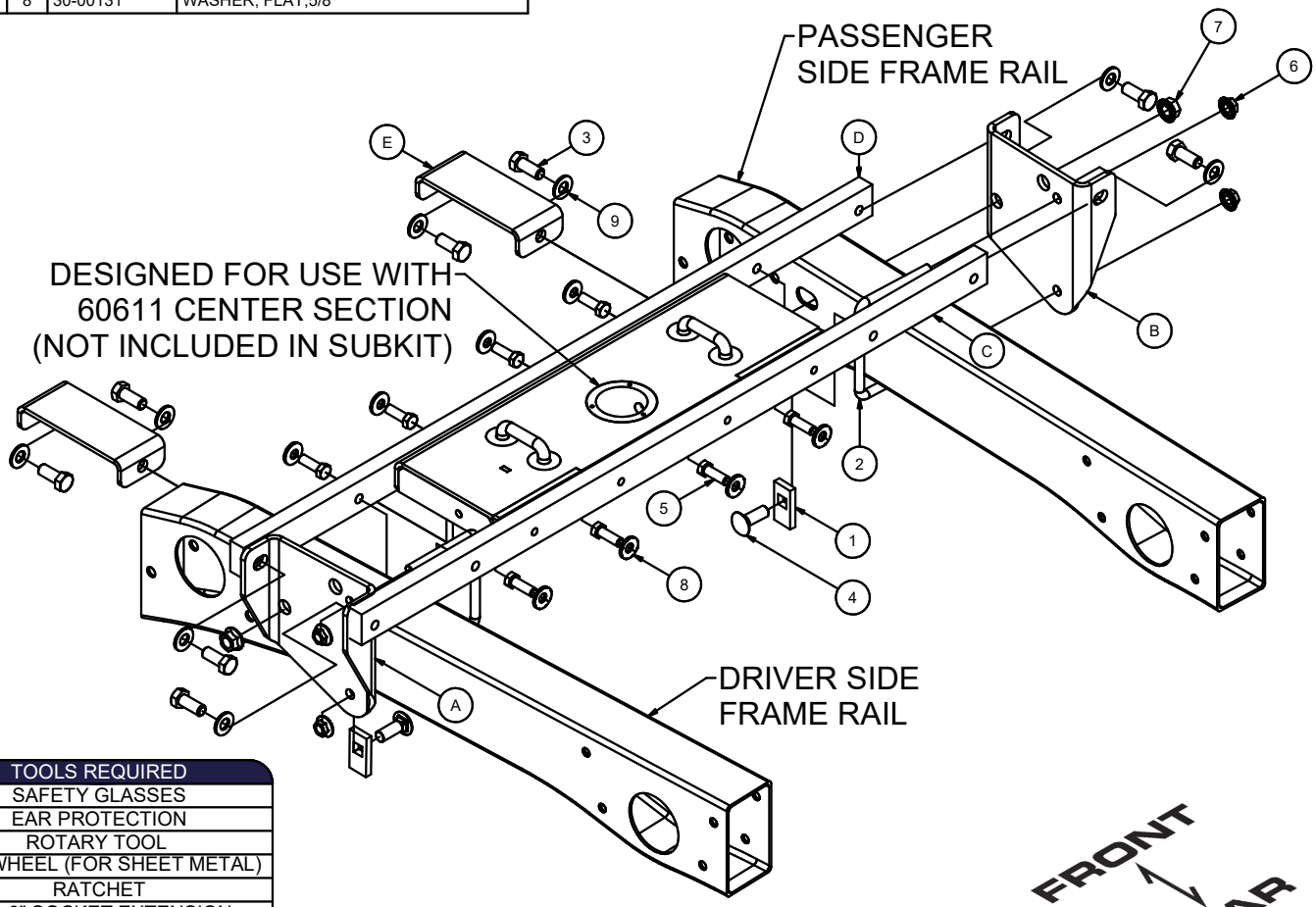
****DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT!****

60696 SUBKIT CHEVY & GMC 2500 / 3500 STANDARD BED

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**

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	CM-SP9	.375 x 1.25 x 2.50" SQUARE HOLE SPACER
2	2	CM-1215-UBS	1/2-13 x 5 1/4 x 6 x 1 1/2 SQ U-BOLT
3	8	10-10038	HHCS,5/8-11 UNC,1-1/2,GRD8
4	2	10-10292	BOLT, CAR,5/8-11 UNC,1-3/4,GRD8,YZ
5	8	10-10334	HHCS,1/2-13 UNC,1-1/2,GRD8,YZ
6	4	20-00062	NUT,SER-FLANGE,1/2-13 UNC,GRD8,YZ
7	2	20-00105	NUT, SER-FLANGE,5/8-11 UNC,GRD8,YZ
8	8	30-00149	WASHER, S-CON,1/2,YZ
9	8	30-00131	WASHER, FLAT,5/8

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
A	1	60696-DS	DRIVER SIDE PLATE
B	1	60696-PS	PASSENGER SIDE PLATE
C	1	60696-RCA	REAR CROSS ARM (47.00")
D	1	60696-FCA	FRONT CROSS ARM (47.25")
E	2	60696-BR	BRACKET



TOOLS REQUIRED
SAFETY GLASSES
EAR PROTECTION
ROTARY TOOL
CUT WHEEL (FOR SHEET METAL)
RATCHET
3" & 6" SOCKET EXTENSION
13mm, 24mm, 3/4" & 15/16" SOCKETS
3/4" END WRENCH
CRESCENT WRENCH
TORQUE WRENCH

FRONT → REAR

SUBKIT WEIGHT: 66 LBS.

INSTALL TIME

PROFESSIONAL: 45 MINUTES

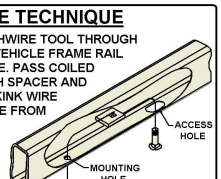
NOVICE (DIY): 90 MINUTES

INSTALL NOTES:

- LOWER SPARE TIRE
- TRIM HEAT SHEILD
- NO MEASURING DRILL LOCATIONS
- NO DRILLING INTO FRAME
- NO LOWERING EXHAUST

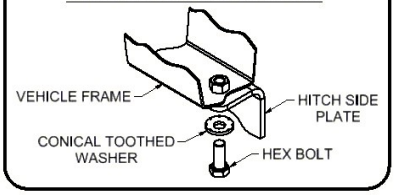
FISHWIRE TECHNIQUE

INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND OUT THE ACCESS HOLE. PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COIL. KINK WIRE 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.



NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME

CONICAL TOOTHED WASHER ORIENTATION DIAGRAM



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

****DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT!****

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INSTALLATION STEPS:

1. If present temporarily remove wheel well cover, by removing (6) fasteners using T-25 socket, on both sides of vehicle. Set aside wheel well and hardware for trim and reinstallation.

2. Remove (4) fasteners holding rear heatshield using a 13mm socket and return to owner. Lower exhaust by locating (4) exhaust hangers along exhaust system. Support exhaust to avoid damaging.

3. Run a ½"-13 bolt or tap through front cross arm [D] and rear cross arm's [C] threads to remove power coating and/or debris. Install front and rear cross arm by sliding between frame and bottom of truck bed, approximately above rear tire. Once cross arms span across vehicle resting on both frame rails and in correct position, see **FIGURE A**, rotate cross arms vertically.
   NOTE: Outside tapped holes in front and rear cross arms are offset by 1/8" and cross arms need to be rotated so holes are offset towards frame, see **FIGURE B**. A crescent wrench can be used as a lever on cross arm to ease rotating process.
   NOTE: Temporarily loosening (6) fasteners holding bed to frame, using 18mm socket may ease rotation of cross arm.

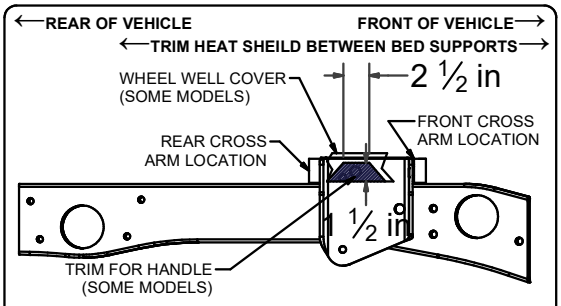


FIGURE A

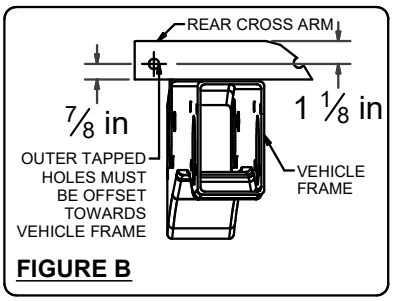


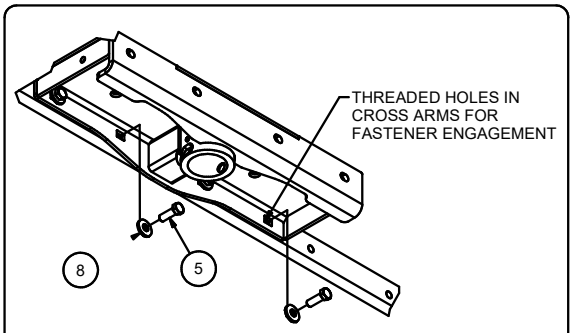
FIGURE B

4. Loosely attach center section to cross arms.
   NOTE: Center section cylinder should offset towards rear of vehicle. Verify center locator is inserted into center section cylinder prior to installing.
   NOTE: Applying force to center section towards truck bed will help install hardware in correct position.

5. Secure ½" U-bolts [2] on inside of frame rail, avoiding break lines, on both sides of vehicle. Fishwire (2) 5/8" carriage bolts [4] with CM-SP9 spacers [1] in position through access hole. Leave fishwires [10] attached to hardware to prevent loss of hardware in vehicle frame, see **FISHWIRE TECHNIQUE** on PAGE 1. Attach side plate to frame and carefully remove fishwire. Secure side plate to frame rail using 5/8" [7] and ½ " [6] flange nuts on both sides of vehicle, adjust cross arms as needed.

6. Raise bracket [E] into mounting location, on both sides of vehicle. Use 5/8" hex bolt [3] to secure bracket to cross arms.

7. Attach side plates to cross arms. Insert 5/8" hex bolt through front flange of side plate and into threaded cross arms holes on both sides of vehicle.
   NOTE: Be sure center section is centered on vehicle by verifying sides of center section are in same location on bed ribs.



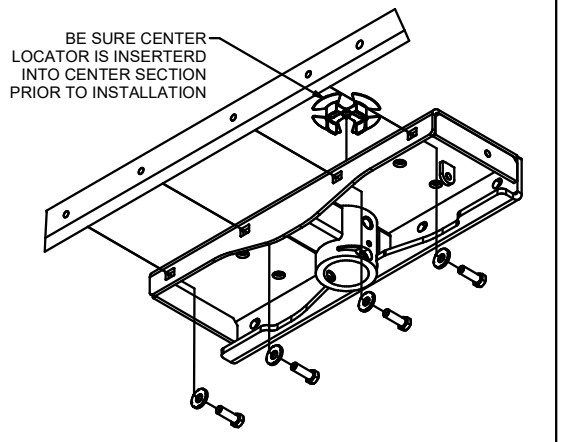


FIGURE C (OPTIONAL "HELPING HAND")

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

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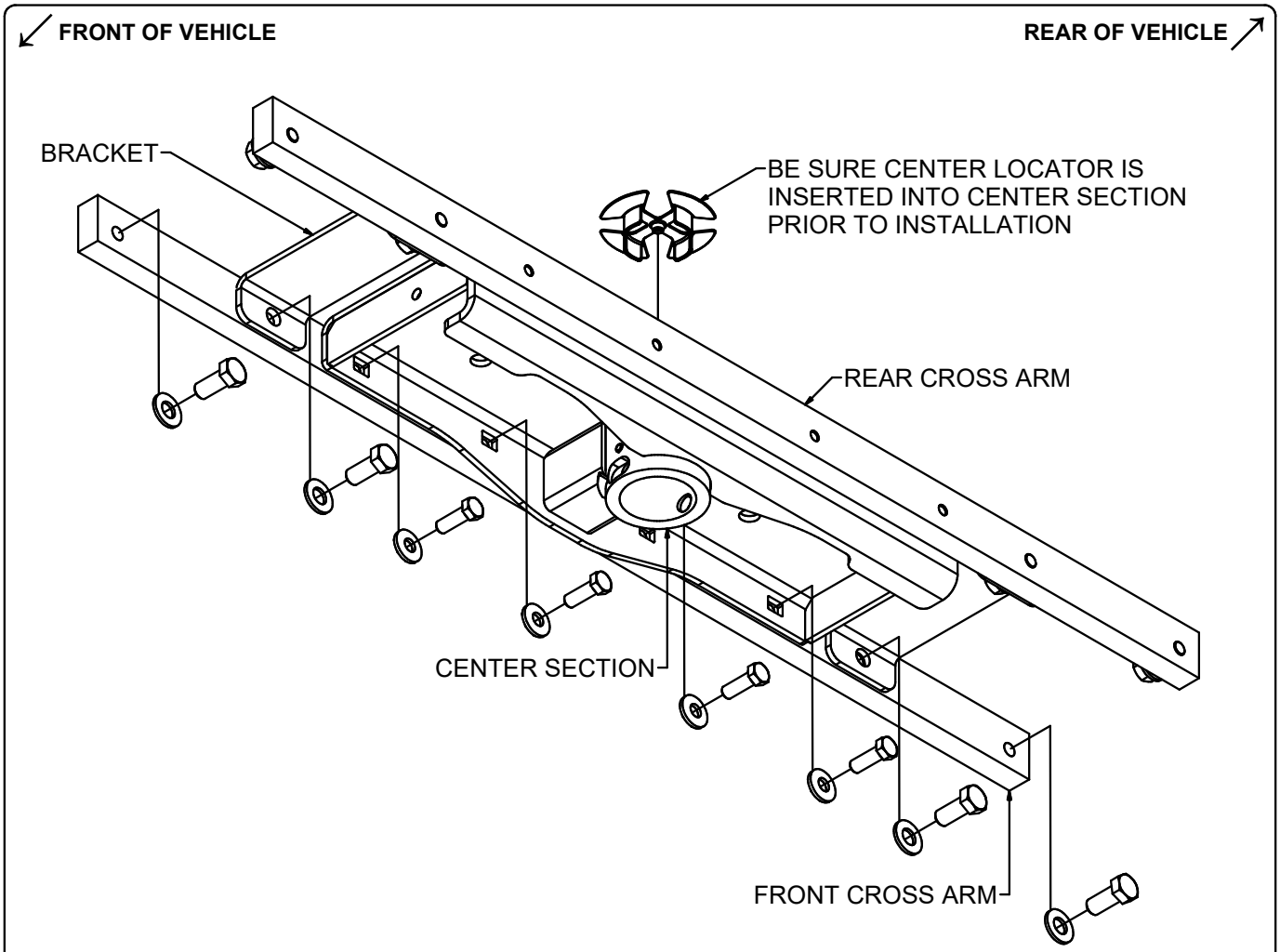

FIGURE D

INSTALLATION STEPS CONTINUED:

8. Torque all fasteners in following order:
   FIRST: Torque side plates to truck frame on both sides.
   SECOND: Torque center section and brackets to front and rear cross arms.
   THIRD: Torque side plates to front and rear cross arms.
   Torque all 5/8" fasteners to 210 ft-lbs, and ½" fasteners to 110 ft-lbs.
9. Reinstall vehilce components removed in Step 1. Trim wheel well liner if present using **FIGURE A** as a trim diagram.

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

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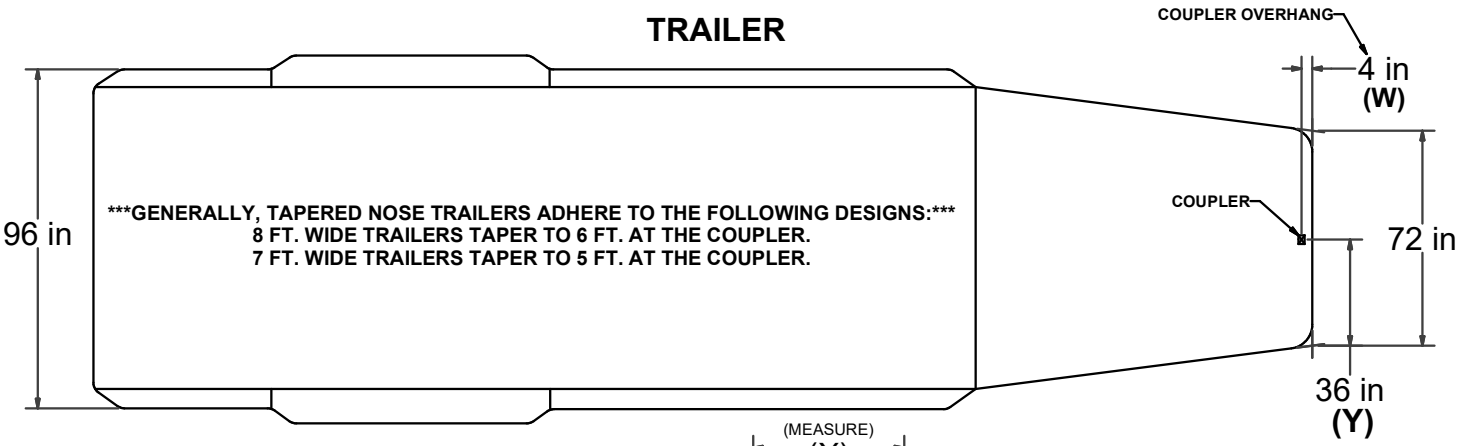
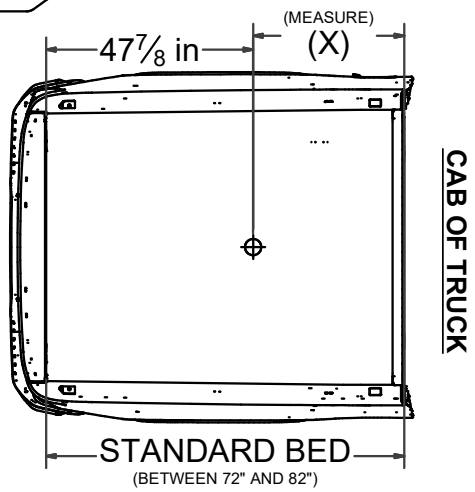
CAB TO TRAILER CLEARANCE

****REMOVAL OF REAR WINDOW ACCESSORIES MAY BE REQUIRED.****

TRAILER





CLEARANCE CALCULATION

(CAB TO BALL CENTER) - 1/2 (TRAILER WIDTH) = (MINIMUM CLEARANCE)
(X) - (Y) = (Z)

IF THERE IS AN OVERHANG FROM THE COUPLER THEN THE EQUATION IS:
[(X) - (W)] - (Y) = (Z)

IF (Z) IS POSITIVE, TRAILER **WILL NOT** 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) _____