

**31500****FORD EXPLORER & MERCURY MOUNTAINEER**

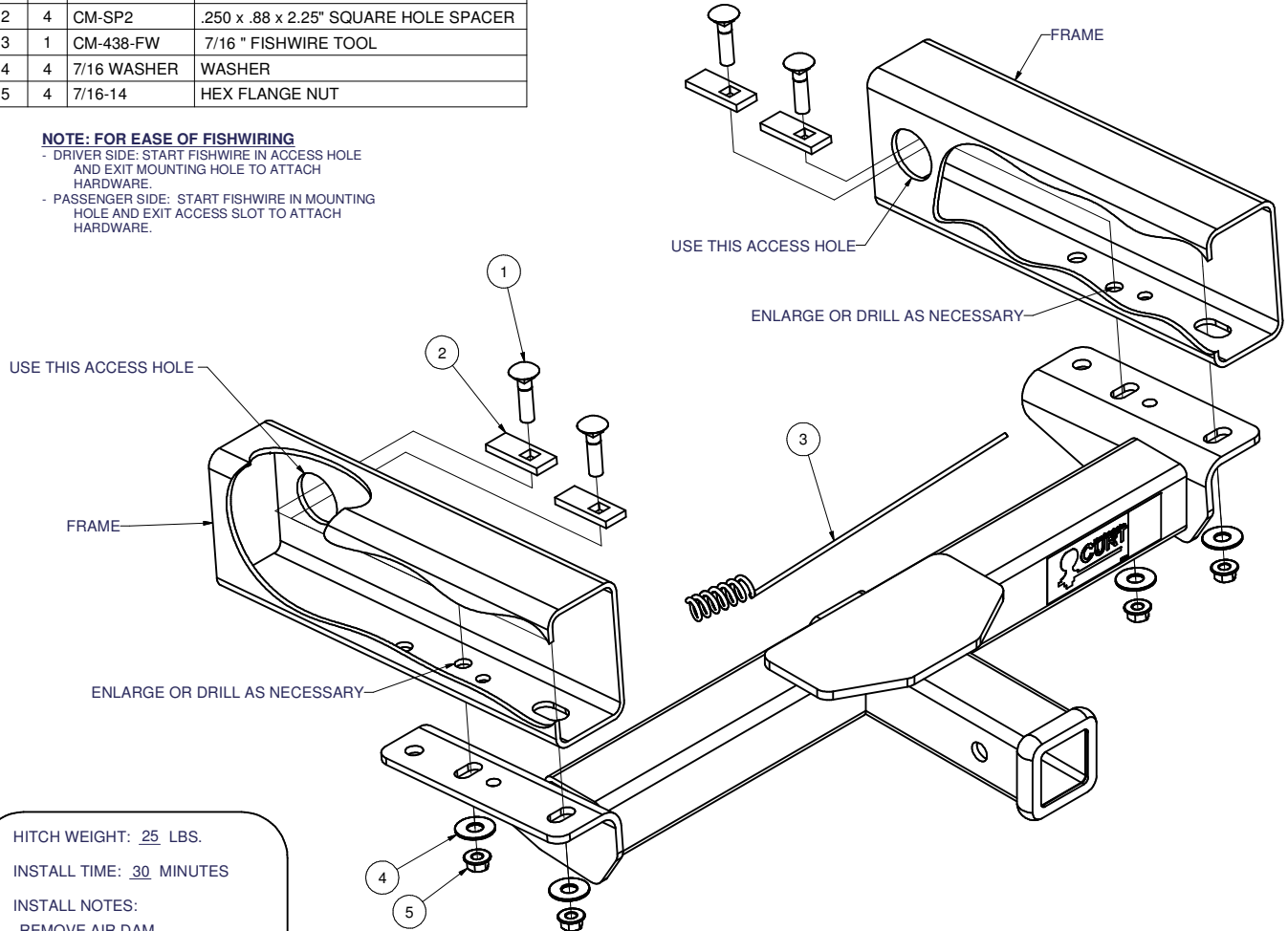
8/15/2008

**GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3500 LBS. TRAILER WEIGHT & 350 LBS. TONGUE WEIGHT.****GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL: 9,000 LBS. MAX. LINE PULL.****\*\*\*DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY.\*\*\***

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	4	7/16 - 14 x 1 3/4	CARRIAGE BOLT	
2	4	CM-SP2	.250 x .88 x 2.25" SQUARE HOLE SPACER	
3	1	CM-438-FW	7/16 " FISHWIRE TOOL	
4	4	7/16 WASHER	WASHER	
5	4	7/16-14	HEX FLANGE NUT	

**NOTE: FOR EASE OF FISHWIRING**

- DRIVER SIDE: START FISHWIRE IN ACCESS HOLE AND EXIT MOUNTING HOLE TO ATTACH HARDWARE.
- PASSENGER SIDE: START FISHWIRE IN MOUNTING HOLE AND EXIT ACCESS SLOT TO ATTACH HARDWARE.



HITCH WEIGHT: 25 LBS.

INSTALL TIME: 30 MINUTES

## INSTALL NOTES:

- REMOVE AIR DAM
- DRILLING REQUIRED
- TRIM AIR DAM AS NEEDED

**INSTALLATION STEPS**

1. Lower air duct from frame rails if present.
2. Raise hitch in front of radiator with receiver passing through front fascia. Using the hitch as a template, drill the rear mounting holes with a 9/16" drill bit.
3. Using the fishwire, position the carriage bolts and spacers into the slots in the frame as shown.
4. Install flange nuts and hand tighten.
5. Trim air duct as needed for proper fit.
6. Torque all fasteners to 50 ft. - lb.

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

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**FRONT MOUNTED ACCESSORIES**

1) Do not exceed front axle Gross Weight Rating (GAWR). Consult owners manual or specification plate located on driver's door frame. Measure gross front axle weight by placing front wheels of loaded vehicle on a scale.

**WARNING:** Exceeding GAWR may overload the front axle and/or suspension. This could result in **accident, property damage and personal injury.**

- 2) Reposition front mounted license plate if obstructed.
- 3) Do not obstruct vehicle lights.
- 4) Allow free air flow into grille opening.
- 5) Rear wheel traction may be reduced. This could effect handling. Reduce speed and drive with caution.
- 6) Accessories extend front of vehicle. This may reduce approach angle. Use caution when parking and maneuvering.
- 7) Do not obstruct driver view.

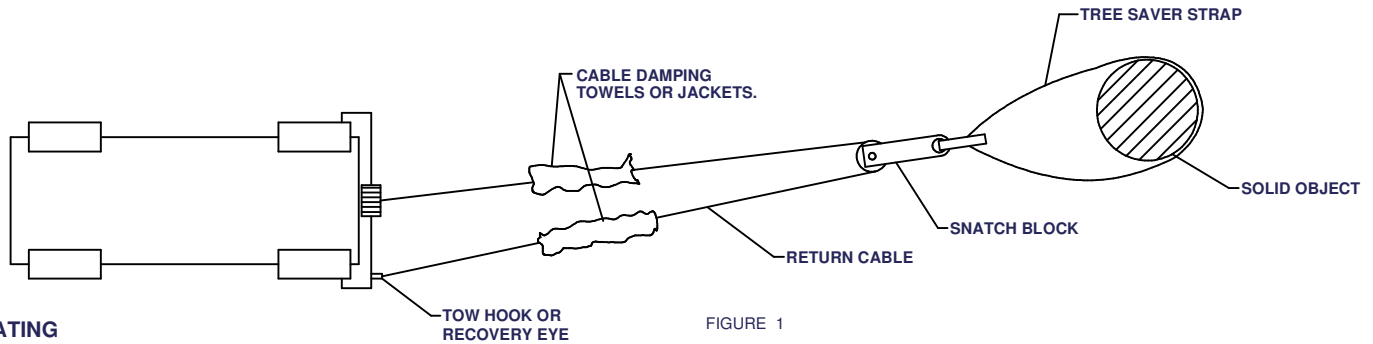
**VEHICLE RECOVERY AND WINCHING TIPS**

1) Use OEM tow hooks, recovery eyes or a clevis mount for attachment of a tow strap or winch cable.

**WARNING: NEVER** use a ball and/or ball mount as an anchor point for tow strap or winch cable. Severe personal injury or death could result.

- 2) Observe winch manufacturer's recommendations, cautions and warnings.
- 3) Attach return cable to tow hook or recovery eye when using a snatch block (See figure 1).

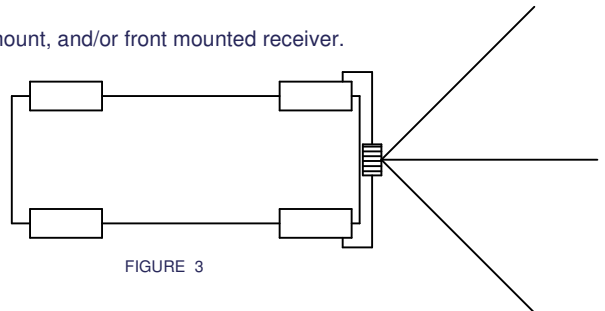
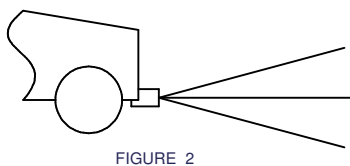
**CAUTION:** Do not attach return cable to winch mount. This may overload winch mount and/or front mounted receiver.



**RATING**

- For **Maximum** line pull rating, winch cable must not exceed:
- 15 degree angle up or down from horizontal (See Figure 2).
  - 45 degree angle left or right from straight ahead (See Figure 3).

**CAUTION:** Exceeding the maximum line pull rating may over load winch, winch mount, and/or front mounted receiver.



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