

WEIGHT CARRYING:

# **31025 INSTALLATION INSTRUCTIONS**

Safety glasses should be worn at all times while installing this product.

YEARS: 2011

MAKE: FORD, MERCURY

**MODEL: ESCAPE, MARINER** 

STYLE: SUV

## WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY

1. BEFORE YOU BEGIN INSTALLATION, READ ALL

3. USING PROPER TOOLS WILL GREATLY IMPROVE

2. TO EASE INSTALLATION, 2 PEOPLE MAY BE

**INSTALLATION TIPS:** 

REOUIRED.

INSTRUCTIONS THOROUGHLY.

TRAILER WEIGHT: 3,500 LBS. TONGUE WEIGHT: 350 LBS. GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL: 9,000 LBS MAX.

### INSTALLATION TIME: 40 MIN.

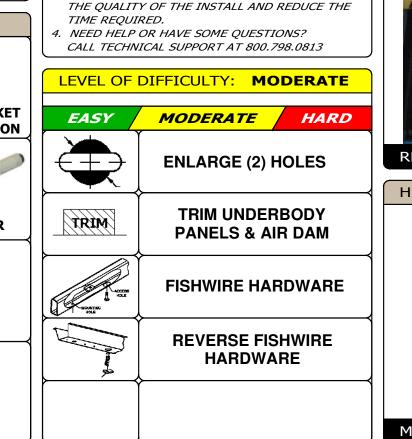
THE INSTALL TIME LISTED IS FOR PROFESSIONAL INSTALLERS. IF YOU ARE HESITANT TO UNDERTAKE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED CURT INSTALLER FOR ADDITIONAL ASSISTANCE.



# SCREW DRIVER 3/4" 11/16" 10mm SOCKET DIE GRINDER MARKER TOROUE SAFETY

GLASSES

**WRENCH** 

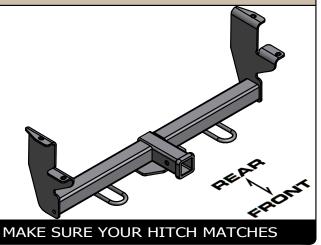


## VEHICLE PHOTO:



**REPRESENTATIVE PHOTO** 

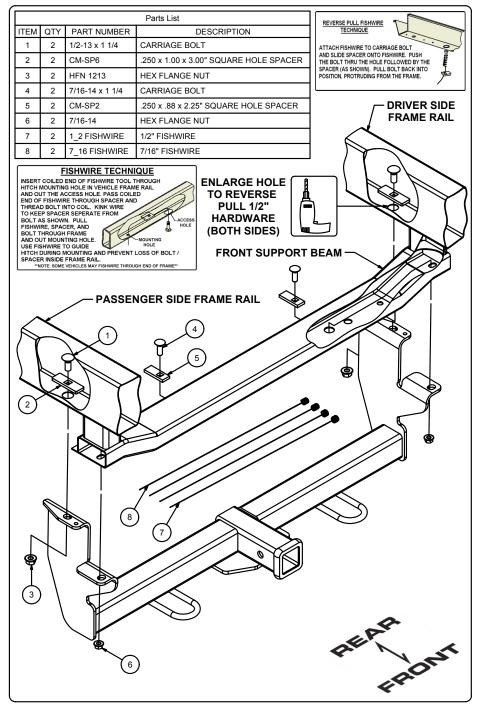
### HITCH ILLUSTRATION:



**PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND 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.

For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com

## **INSTALLATION WALKTHROUGH:**



For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com

 Remove driver side under body panel by removing (6) bolts and (1) push fastener. Remove passenger side under body panel by removing (7) bolts and (1) push fastener. Remove air dam by removing (2) bolts and (5) push fasteners.





2. Enlarge access holes in frame rails to allow hardware to pass through, as shown.





### **INSTALLATION WALKTHROUGH:**

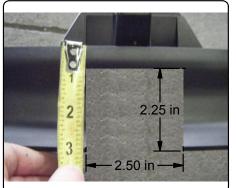
 Fishwire 7/16" bolts and spacers into front support beam. Reverse fishwire 1/2" bolts and spacers into frame rails. Leave fishwires attached to bolts to prevent loosing in frame.





4. Test fit hitch on vehicle and trim plastic under body panels as needed to allow the hitch side plates to pass through. Trim the center of the air dam with an approximate 2.5" wide by 2.25" high notch for receiver tube clearance. Remove hitch and re-install under body panels.





For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com

5. Raise hitch back into position and fasten with supplied nuts.





6. Torque all 7/16" fasteners to 70 ft-lbs and all 1/2" fasteners to 110 ft-lbs.





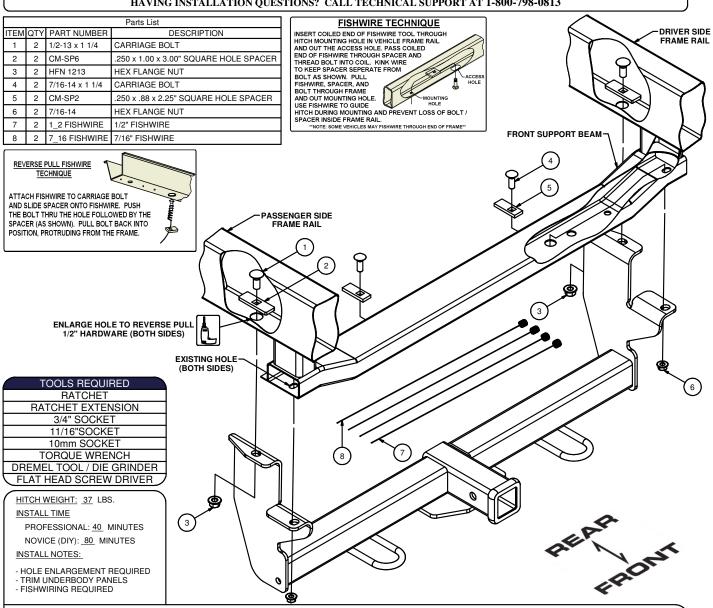
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<ol> <li>Preposition front mounted license plate if obstructed:</li> <li>Bo not obstruct vehicle lights:</li> <li>Jellow free air flow into grille opening:</li> <li>Rear wheel traction may be reduced. This could effect handling. Reduce speed and drive with caution:</li> <li>Rear wheel traction may be reduced. This could effect handling. Reduce speed and drive with caution:</li> <li>Do not obstruct other or the vehicle. This may reduce approach angle. Use caution when parking and maneuvering.</li> <li>Do not obstruct other vehicle.</li> <li>Do not attach return cable to which mount as a natchor poor (for the tracting the vehicle.</li> <li>Do not attach return cable to which mount as a natchor obstruct other.</li> <li>Do not attach return cable to which mount attack of the vehicle.</li> <li>Do not attach return cable to which mount attack of the vehicle.</li> <li>Do not attach return cable to which mount and or front mount attack of the vehicle.</li> <li>Do not attach return cable to which mount attack of the vehicle.</li> <li>Do not attach return cable to which mount.</li> <li>Do not attach</li></ol>	WARNING: Exceeding GAWR may overload the front axle and/or suspesion. This could result in accid property damage and personal injury.	lent,
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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 2). 45 degree angle left or right from straight ahead (See Figure 2). CUTION: Exceeding the maximum line pull rating may over load winch, winch mount, and/or front mounted receiver.	Cable DAMPING TOWELS OR JACKETS.	
RATING     FIGURE 1       For Maximum line pull rating, winch cable must not exceed:     FIGURE 1       For Maximum line pull rating, winch cable must not exceed:     15 degree angle up or down from horizontal (See Figure 2).       - 15 degree angle left or right from straight ahead (See Figure 3).     -       - 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.	LETURN CABLE	SNATCH BLOCK
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CAUTION: Exceeding the maximum line pull rating may over load winch, winch mount, and/or front mounted receiver.	For <b>Maximum</b> 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 m	ounted receiver.
1	FIGURE 2	

# FORD ESCAPE, MERCURY MARINER

# **31025** 12/7/2012

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3,500 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. \*\*\*

### HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813



### **INSTALLATION STEPS**

- 1. Remove driver side under body panel by removing (6) bolts and (1) push fastener. Remove passenger side under body panel by removing (7) bolts and (1) push fastener. Remove air dam by removing (2) bolts and (5) push fasteners.
- 2. Enlarge access holes in frame rails to allow hardware to pass through, as shown above.
- 3. Fishwire 7/16" bolts and spacers into front support beam. Reverse fishwire 1/2" bolts and spacers into frame rails, as shown above. Leave fishwires attached to bolts to prevent loosing in frame.
- 4. Test fit hitch on vehicle and trim plastic under body panels as needed to allow the hitch side plates to pass through. Trim the center of the air dam with an approximate 2.5" wide by 2.25" high notch for receiver tube clearance. Remove hitch and re-install under body panels.
- 5. Raise hitch back into position and fasten with supplied nuts.
- 6. Torque all 7/16" fasteners to 70 ft-lbs and all 1/2" fasteners to 110 ft-lbs.

#### PERIODICALLY CHECK THIS RECEIVER 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.

# 31025

# FORD ESCAPE, MERCURY MARINER

### \*\*\*DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY \*\*\*.

#### 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

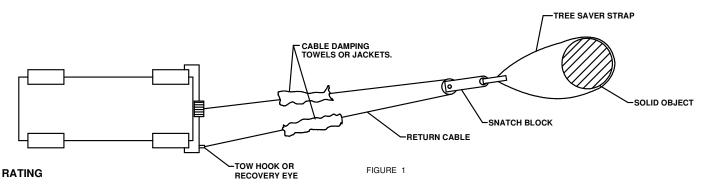
1) Use OEM tow hooks, recovery eyes or a clevis mount for attachment of a tow strap or winch cable.

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).

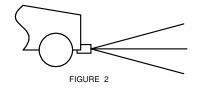
CAUTION: Do not attach return cable to winch mount. This may overload winch mount and/or front mounted receiver.

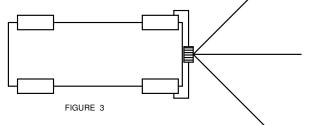


For **Maximum** line pull rating, winch cable must not exceed: - 15 degree angle up or down from horizontal (See Figure 2).

- 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.





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.