



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

YEARS: 2019-PRESENT

MAKE: RAM

MODEL: 1500

STYLE: TRUCK

WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY
 For more information log onto www.curtmfg.com & for helpful towing tips log onto www.hitchinfo.com

WEIGHT CARRYING:
 TRAILER WEIGHT: 5,000 LBS.
 TONGUE WEIGHT: 500 LBS.

GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL:
 9,000 LBS MAX.

PRO INSTALL TIME: 30 MIN.
NOVICE INSTALL TIME: 60 MIN.

IF YOU ARE HESITANT TO UNDERTAKE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED CURT INSTALLER FOR ADDITIONAL ASSISTANCE.

INSTALLATION TIPS:

- BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
- TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
- USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
- NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 877.287.8634

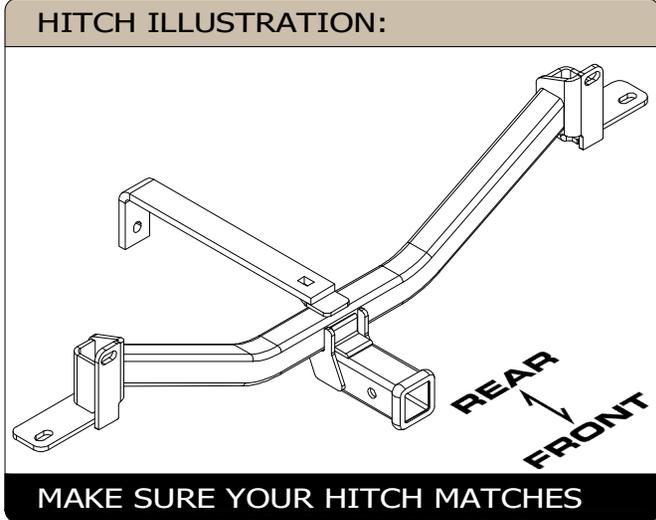


INSTALLATION REQUIRES:

RATCHET	SOCKETS	TORQUE WRENCH
TAPE MEASURE	AVIATION SHEARS	MASKING TAPE
SAFETY GLASSES		

LEVEL OF DIFFICULTY: EASY

EASY	MODERATE	CHALLENGING
NO DRILLING REQUIRED		
PART REMOVAL	REMOVE LOWER FASCIA	
TRIM	TRIM LOWER PLASTIC FASCIA PANEL	

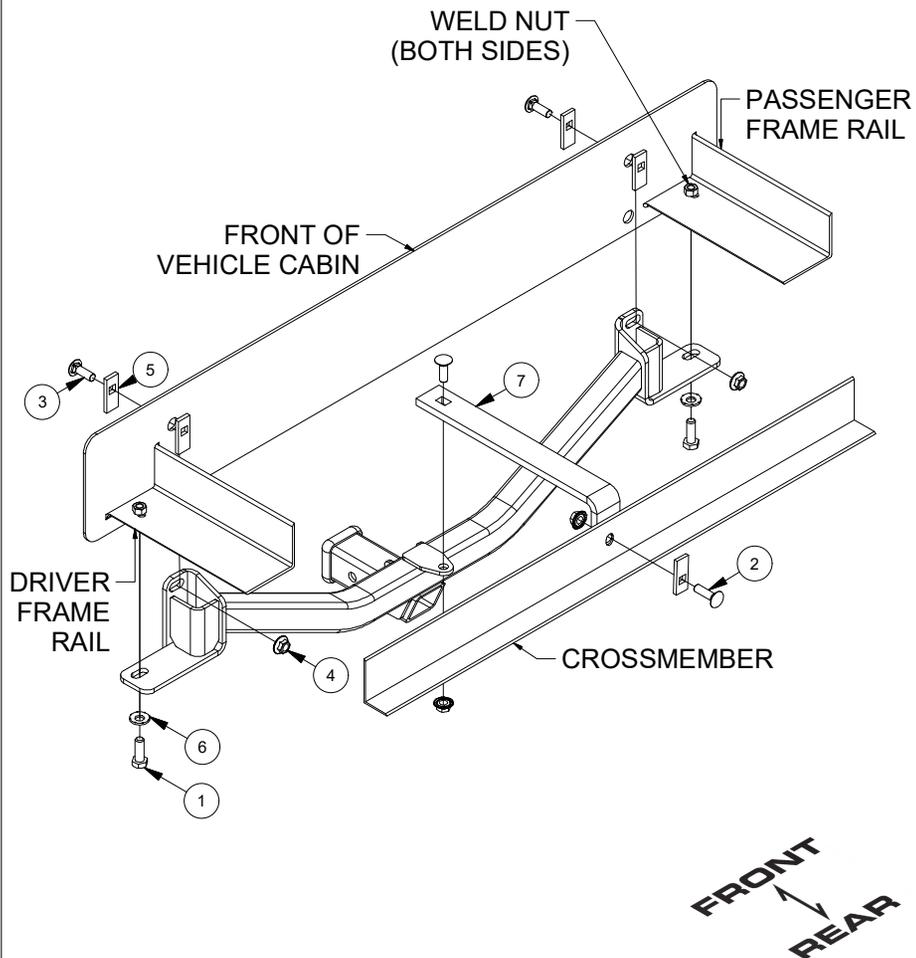


SCAN FOR MORE INFO

PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND
 CURT Manufacturing LLC. 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 LLC. 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 LLC.'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
 This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C.Regulation V-5 and SAE J684.

INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10-10137	HHCS,M14x2,40,CL10.9
2	1	10-10272	BOLT, CAR, 1/2-13 UNC, 1-3/4,GRD8,YZ
3	3	10-10287	BOLT, CAR, 1/2-13 UNC, 1-1/2,GRD8,YZ
4	4	20-00062	NUT, SER-FLANGE, 1/2-13 UNC,GRD8,YZ
5	5	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
6	2	30-00164	WASHER,S-CON,9/16,YZ
7	1	31090-MS	MOUNTING STRAP



1. Remove lower fascia by removing (18) fasteners using 10mm socket. Set aside for trim.



2. If present, remove tow hooks and return to owner. Insert (1) 1/2" carriage bolt and (1) CM-SP10 through front of vehicle cabin, on both sides, using provided through holes.



INSTALLATION WALKTHROUGH:

3. Raise hitch into position using 1/2" hardware to align hitch. Secure using 1/2" flange nuts.
4. Use M14 hex bolt and 9/16" conical washer to attach hitch to frame on both sides.

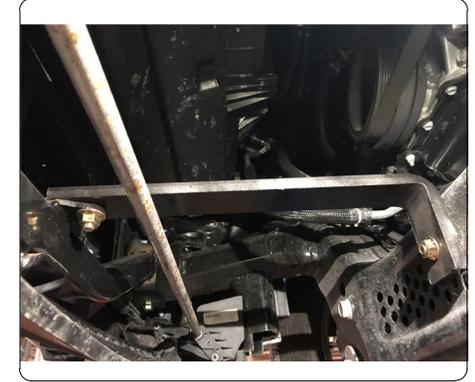


5. Trim lower fascia using trim diagram as a reference. Reinstall trimmed fascia.
NOTE: For frequent users, trim larger section to easily access lock pin.
NOTE: All dimensions are approximate. confirm fit prior to trim.



For more information log onto www.curtmfg.com

6. Insert (1) 1-3/4 x 1/2" carriage bolt and (1) CM-SP10 through crossmember and out mounting hole.
7. Raise 31090-MS into position and secure to hitch and vehicle using provided 1/2" hardware.



8. Torque all 1/2" hardware to 110 ft-lbs, and all M14 hardware to 88 ft lbs.



31090

RAM 1500

12/10/2019

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 5,000 LBS. TRAILER WEIGHT & 500 LBS. TONGUE WEIGHT.

GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL: 9,000 LBS. MAX. LINE PULL.



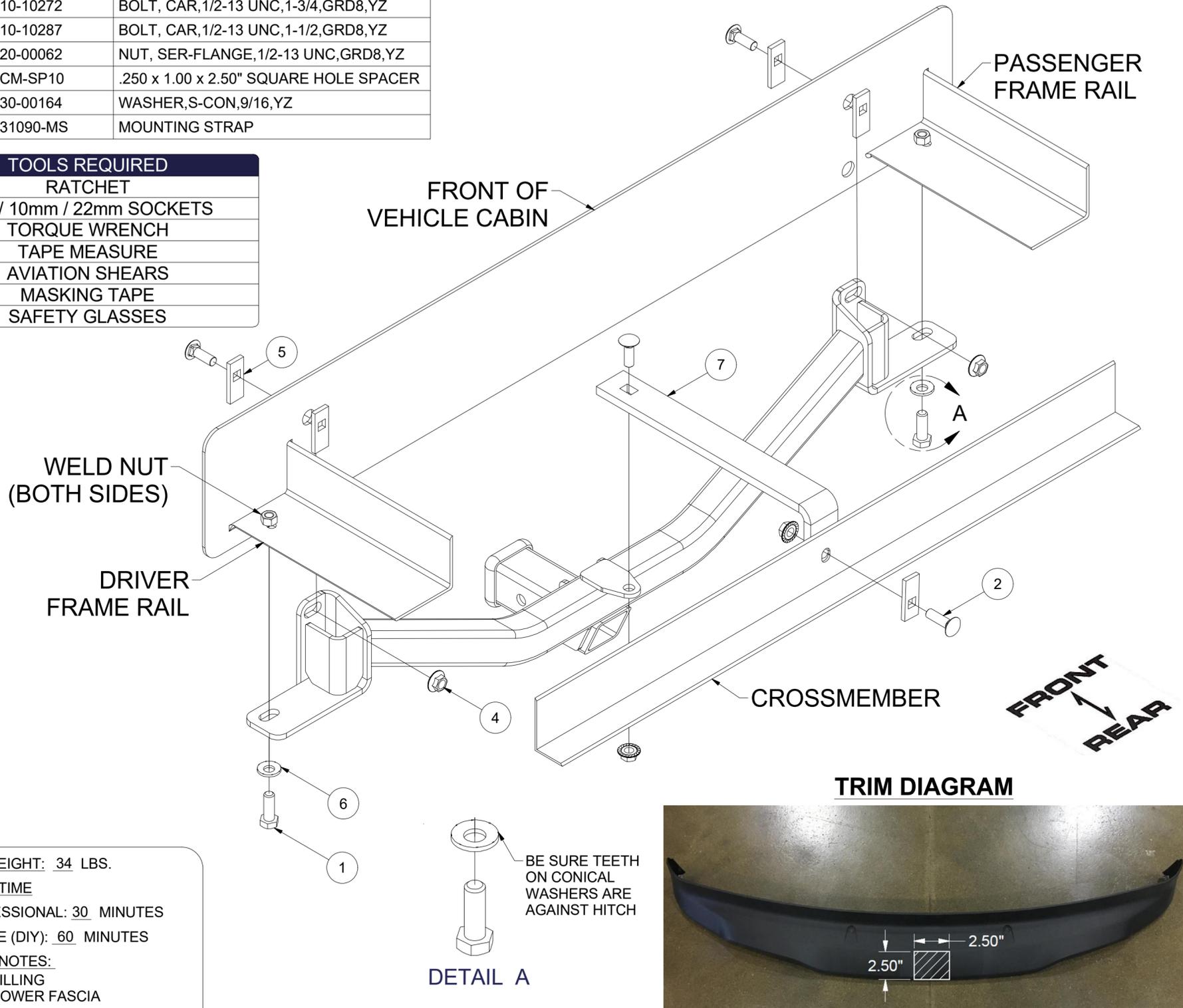
WARNING: * DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY. *****



FOR MORE INFORMATION LOG ONTO WWW.CURTMFG.COM
HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-877-287-8634

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10-10137	HHCS,M14x2,40,CL10.9
2	1	10-10272	BOLT, CAR,1/2-13 UNC,1-3/4,GRD8,YZ
3	3	10-10287	BOLT, CAR,1/2-13 UNC,1-1/2,GRD8,YZ
4	4	20-00062	NUT, SER-FLANGE,1/2-13 UNC,GRD8,YZ
5	5	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
6	2	30-00164	WASHER,S-CON,9/16,YZ
7	1	31090-MS	MOUNTING STRAP

TOOLS REQUIRED	
RATCHET	
3/4" / 10mm / 22mm SOCKETS	
TORQUE WRENCH	
TAPE MEASURE	
AVIATION SHEARS	
MASKING TAPE	
SAFETY GLASSES	



HITCH WEIGHT: 34 LBS.

INSTALL TIME

PROFESSIONAL: 30 MINUTES

NOVICE (DIY): 60 MINUTES

INSTALL NOTES:

- NO DRILLING
- TRIM LOWER FASCIA

DETAIL A

TRIM DIAGRAM

INSTALLATION STEPS

1. Remove lower fascia by removing (18) fasteners using 10mm socket. Set aside for trim.
2. If present, remove tow hooks and return to owner. Insert (1) 1/2" carriage bolt and (1) CM-SP10 through front of vehicle cabin, on both sides, using provided through holes.
3. Raise hitch into position using 1/2" hardware to align hitch. Secure using 1/2" flange nuts.
4. Use M14 hex bolt and 9/16" conical washer to attach hitch to frame on both sides.
5. Trim lower fascia using trim diagram as a reference. Reinstall trimmed fascia.
NOTE: For frequent users, trim larger section to easily access lock pin.
NOTE: All dimensions are approximate. confirm fit prior to trim.
6. Insert (1) 1-3/4 x 1/2" carriage bolt and (1) CM-SP10 through crossmember and out mounting hole.
7. Raise 31090-MS into position and secure to hitch and vehicle using provided 1/2" hardware.
8. Torque all 1/2" hardware to 110 ft-lbs, and all M14 hardware to 88 ft lbs.

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



Scan for more information

CURT Manufacturing LLC., 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 LLC., 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 LLC.'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.

This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C.Regulation V-5 and SAE J684.

RAM 1500

*****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

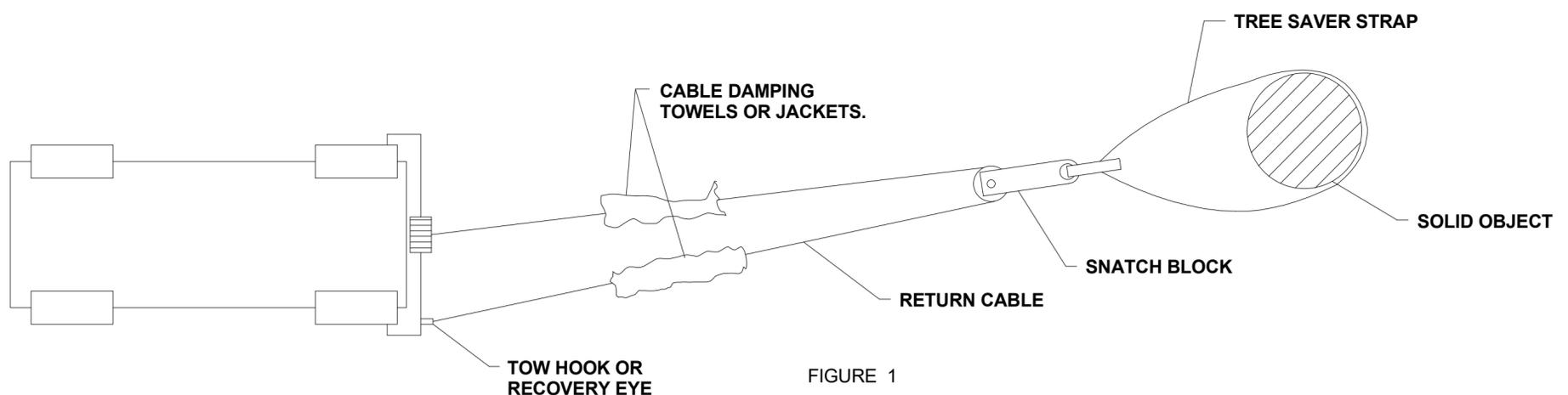
1) Use OEM tow hooks, recovery eyes or a clevis mount for attachment of a tow strap or winch cable.

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.



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.

