

COUPLER

COUPLER ADJUSTMENT: THE LOCKNUT UNDER THE COUPLER SHOULD BE TORQUED AS TIGHT AS POSSIBLE, WITH BALL LOCKED IN SOCKET, AND STILL ENABLE COUPLING TO BE UNLOCKED BY HAND.

COUPLER REPAIR KIT: DRAW-TITE PART NUMBER 02269 INCLUDES: LOCKING LEVER ASSEMBLY, LIGHT SPRING, HEAVY SPRING, BALL CLAMP, CHANNEL LOCK, AND LOCKNUT.

TOW BAR TIPS

- ▷ ACTUAL WEIGHT OF TOWED VEHICLE MUST NOT EXCEED 3500 POUNDS.
- ▷ TOWING VEHICLE MUST WEIGH MORE THAN TOWED VEHICLE.
- ▷ USE THIS TOW BAR TO TOW ONLY VEHICLES IN GOOD CONDITION. DO NOT TOW VEHICLES WITH DAMAGED STEERING OR SUSPENSION SYSTEMS. DAMAGED VEHICLES SHOULD BE TOWED WITH A WRECKER OR TRANSPORTED ON A TRAILER OR TRUCK.
- ▷ FOLLOW TOWED VEHICLE MANUFACTURER'S TOWING RECOMMENDATIONS. FAILURE TO DO SO MAY RESULT IN TRANSMISSION DAMAGE, LOSS OF CONTROL OR LOSS OF CONNECTION. TRANSMISSION MUST BE IN NEUTRAL. PARKING BRAKE MUST BE RELEASED.
- ▷ PROPERLY CONNECTED SAFETY CHAINS MUST BE USED.
- ▷ WHEN PROPERLY INSTALLED, THE SAFETY CHAINS SHOULD PREVENT THE TOW BAR FROM DROPPING TO THE ROAD AND HELP MAINTAIN CONTROL IF ANY CONNECTION BECAME SEPARATED.
- ▷ STEERING WHEEL OF TOWED VEHICLE MUST BE FREE TO TURN.
- ▷ WHEN MAKING TURNS BEGIN BY ROLLING STRAIGHT FORWARD, THEN TURN THE WHEEL. THIS MINIMIZES TOWING FORCES AS WELL AS WEAR ON TOWED VEHICLE FRONT SUSPENSION AND TIRES.
- ▷ TOWED VEHICLE'S TAIL LIGHTS, TURN SIGNALS AND BRAKE LIGHTS SHOULD FUNCTION WHEN BEING TOWED. OTHERWISE, VEHICLE SHOULD BE FITTED WITH A TEMPORARY LIGHTING SYSTEM.
- ▷ TOWING MIRRORS ON BOTH SIDES ADD TO SAFETY BY INCREASING REAR VISIBILITY, AND ARE REQUIRED BY STATE LAWS.
- ▷ DO NOT ALLOW PASSENGERS IN TOWED VEHICLE.
- ▷ ALLOW MORE TIME FOR ACCELERATING, STOPPING AND MANEUVERING. SLOW DOWN WELL IN ADVANCE OF SHARP CURVES, OBSTACLES, OR LANE CHANGES, AND BEFORE STARTING DOWN HILLS.
- ▷ DO NOT EXCEED 45 MILES PER HOUR.
- ▷ IF VEHICLE COMBINATION SHAYS OR SEEMS UNSTABLE, GRADUALLY SLOW DOWN, PULL OFF THE ROAD TO A SAFE LOCATION, AND INSPECT ALL CONNECTIONS. INSTABILITY INCREASES WITH SPEED, AND YOU MAY HAVE TO TOW AT A LOWER SPEED. DISCONTINUE TOWING IF INSTABILITY PERSISTS. A COMBINATION THAT IS STABLE AND EASY TO CONTROL AT LOW SPEED MAY BE UNSTABLE AT A HIGHER SPEED. STABILITY DECREASES WHEN GOING DOWNHILL. START DOWNHILL SLOWLY AND MAINTAIN A LOW SPEED.
- ▷ SOME VEHICLES WITH POWER STEERING MAY "FOLLOW" BETTER WITH ENGINE IDLING.
- ▷ DO NOT BACK UP WITH VEHICLE IN TOW.
- ▷ CHECK ALL CONNECTIONS, INCLUDING HITCH AND BALL, BEFORE TOWING AND FREQUENTLY DURING YOUR TRIP.
- ▷ REMOVE TOW BAR WHEN NOT TOWING.

©DRAW-TITE, INC. 1994



DRAW-TITE, INC.
40500 Van Born Road
Canton, Michigan 48188

PRINTED IN U.S.A.

11/94

02400 TOW BAR

THIS TOW BAR IS TO BE INSTALLED BY THE PROFESSIONAL INSTALLER/FABRICATOR EXPERIENCED IN SELECTING VEHICLE ATTACHMENT AREAS WITH ADEQUATE STRENGTH.

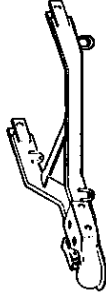
DEALERS: GIVE THESE INSTRUCTIONS TO YOUR CUSTOMER

PART NO. 02400 TOW BAR

FOR TOWING LIGHTWEIGHT VEHICLES. TOWED VEHICLE GROSS WEIGHT NOT TO EXCEED 3500 POUNDS.

INTENDED TO BE USED WITH BRACKET AND CHAIN KITS SHOWN BELOW

CAUTION: PROPERLY CONNECTED SAFETY CHAINS MUST BE USED WITH TOW BAR. SEE PAGE 3



GROSS TRAILER WEIGHT RATING OF HITCH AND BALL MUST EQUAL OR EXCEED ACTUAL WEIGHT OF TOWED VEHICLE. COUPLER FITS 2" DIAMETER BALL.

GENERAL PURPOSE BRACKET KITS

EACH BRACKET KIT REQUIRES FABRICATION OF REINFORCEMENTS ATTACHING TO VEHICLE FRAME. KIT SELECTION DEPENDS ON STRUCTURE OF SPECIFIC VEHICLE.

PART NO. 02401 CROSSMEMBER KIT

CONTAINS: CROSSMEMBER WITH PIVOT BARS, (2) PINS, AND (2) HAIR PIN CLIPS. CROSSMEMBER IS 34 INCHES WIDE.

WHEN ATTACHED TO BUMPER THIS CROSSMEMBER MUST BE REINFORCED TO FRAME.

PART NO. 02402 L BRACKET KIT

CONTAINS: (2) BRACKETS, (2) PINS, (2) HAIR PIN CLIPS, (4) 1/2" X 1-3/4" BOLTS, WASHERS AND NUTS.



PART NO. 02403 T BRACKET KIT

CONTAINS: (2) BRACKETS, (2) PINS, (4) HAIR PIN CLIPS, (4) 1/2" X 1-3/4" BOLTS, WASHERS AND NUTS.

PINS AND CLIPS

SUPPLIED WITH BRACKET KITS ABOVE. MAY BE PURCHASED SEPARATELY.

PART NO. 01122 CLEVIS PIN
PART NO. 01128 HAIR PIN CLIP

(2) OF EACH REQUIRED.

SAFETY CHAINS REQUIRED

(TO BE PURCHASED SEPARATELY)
FOR TOWED VEHICLES NOT TO EXCEED 3500 LBS.

USE TWO 72" X 1/4" PROOF COIL CHAINS, DRAW-TITE PART NO. 5592 OR EQUIVALENT AND SIX QUICK LINKS, DRAW-TITE PART NO. 1643 OR EQUIVALENT. THE MINIMUM BREAKING STRENGTH OF EACH CHAIN AND EACH QUICK LINK MUST EXCEED 3500 LBS.

- (2) 72" CLASS II CHAINS P/N 5592
- (6) 1/4" QUICK LINKS. P/N 1643

INSTALLATION

GENERAL INSTALLATION NOTES

THIS TOW BAR IS TO BE INSTALLED BY A PROFESSIONAL INSTALLER/FABRICATOR EXPERIENCED IN SELECTING VEHICLE ATTACHMENT AREAS WITH ADEQUATE STRENGTH.

PARK VEHICLES ON LEVEL GROUND FOR INSTALLATION.

THE TOW BAR MUST BE INSTALLED AS LEVEL AS POSSIBLE. THE COUPLER MUST BE LEVEL TO WITHIN 5° WHEN ATTACHMENT IS COMPLETE.

BUMPER ATTACHMENTS SHOULD BE REINFORCED AS SHOWN.

ATTACHMENTS TO THE TOWED VEHICLE SHOULD BE BOLTED NOT WELDED.

KEEP MOUNTING SURFACE OF BRACKET(S) AS CLOSE TO BEING FLUSH WITH THE FRONT OF THE BUMPER AS POSSIBLE TO ALLOW FREE VERTICAL TRAVEL.

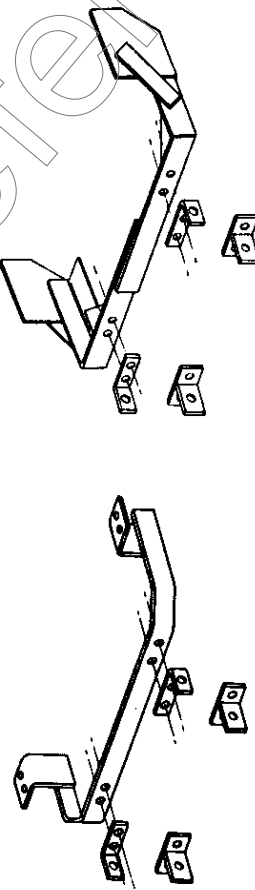
ATTACH TOW BAR TO PROPERLY MOUNTED BRACKET(S) WITH PINS AND SECURE WITH CLIPS AS SHOWN.

ADJUST COUPLER FOR PROPER FIT TO THE BALL SEE "COUPLER ADJUSTMENT" (PAGE 4).

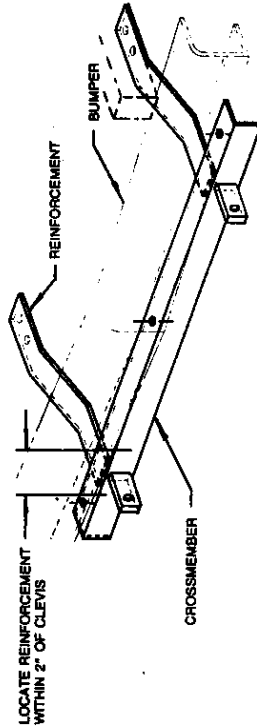
AVOID SUSPENSION AND BRAKE COMPONENTS WITH ATTACHMENTS.

BRACKET MOUNTING

A STRUCTURE MUST BE FABRICATED TO ALLOW THE TOW BAR TO BE ATTACHED TO THE FRAME OF THE TOWED VEHICLE. SOME TYPICAL FRAME ATTACHMENT STRUCTURES ARE SHOWN BELOW.



IF THE TOW BAR IS MOUNTED TO THE BUMPER OF THE TOWED VEHICLE, THE BRACKET MUST BE REINFORCED WITH FRAME ATTACHMENTS. A TYPICAL BUMPER BRACKET REINFORCEMENT IS SHOWN BELOW.

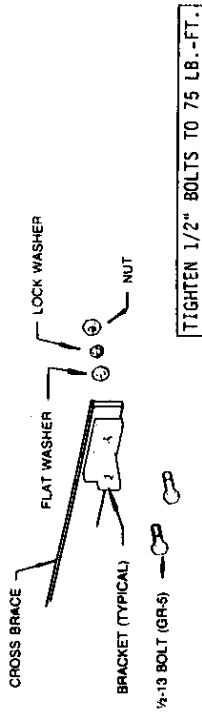


THESE REINFORCEMENTS SHOULD BE ATTACHED TO THE BRACKET WITHIN 2 INCHES OF THE CLEVIS (SEE ILLUSTRATION ABOVE) AND CAN BE BOLTED OR WELDED TO THE BRACKET. THESE REINFORCEMENTS SHOULD BE MADE FROM AT LEAST 1/2" X 2" FLAT BAR STOCK.

INSTALLATION

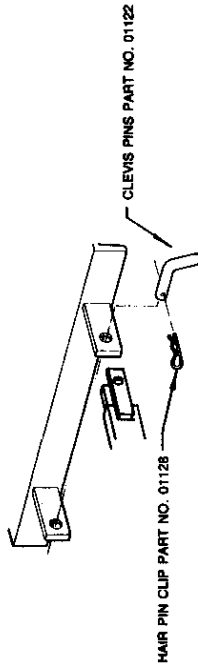
BRACKET MOUNTING CONT'D.

AFTER THE STRUCTURE IS MOUNTED, PLACE THE CLEVIS BRACKET(S) (OPTIONAL SEE PAGE 1) ON THE CROSS BRACE, MAKING SURE THAT THE TOW BAR WILL BE CENTERED ON THE VEHICLE. DRILL AND BOLT THE BRACKET(S) INTO PLACE WITH 1/2" GRADE 5 BOLTS OR WELD ACROSS TOP AND BOTTOM. SEE ILLUSTRATION BELOW.



TOW BAR MOUNTING

AFTER THE BRACKETS ARE SECURED TO THE STRUCTURE THE TOW BAR CAN BE ATTACHED USING (2) PART NO. 01122 PINS AND (2) PART NO. 01128 CLIPS (PURCHASED SEPARATELY OR SUPPLIED WITH OPTIONAL BRACKET KITS SEE PAGE 1).



SAFETY CHAINS

CONNECT SAFETY CHAINS TO BOTH VEHICLES AND TO THE TOW BAR ITSELF AS SHOWN BELOW. ILLUSTRATION SHOWS CHAINS AND "QUICK LINKS" REQUIRED.

CROSS CHAINS-UNDER COUPLER AND CONNECT TO BRACKET ON HITCH OR TO FRAME OF TOWING VEHICLE, ALLOWING ONLY ENOUGH SLACK TO PERMIT TURNING. ADJUST LENGTH BY CONNECTING THE APPROPRIATE LINK TO CHAIN LOOP ON EITHER SIDE OF COUPLER USING "QUICK LINK". NUT ON QUICK LINK MUST BE FULLY ENGAGED WITH THREADS.

PASS CHAINS OVER CROSS BAR AND THROUGH REAR CHAIN LOOPS, AND CONNECT TO TOWED VEHICLE FRAME. ALLOW ONLY ENOUGH SLACK TO PERMIT UP-AND-DOWN PIVOTING OF TOW BAR.

