

BUMPER MOUNTED BICYCLE CARRIER

ASSEMBLY INSTRUCTIONS

PARTS LIST:

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	1050-42-A	1/2"x38" Poly Strap	1
2	1050-44-A	1"x30" Strap w/ hook	2
3	1050-45-A	1"x60" Strap w/ hook	2
4	1074-17	Cross Brace	1
5	1075-15-A	Bumper Foot Assembly	2
6	133-01	Leg	2
7	133-02	Top Frame	1
8	133-22	Threaded Hanger Arm	2
9	1001-83	1/4" Lock Washer	2
10	1002-60	1/4-20x3/4" Hex Hd Bolt	4
11	1007-13	Buckle Clip	2
12	1050-70	1/4-20 Hex Hd Nut	2
13	1070-26	Chain Hook	2
14	1071-65	1/2" Lock Washer	2
15	1071-86	7/16" SAE Washer	2
16	1073-74	7/16"-1/4" Hex Nut	2
17	1074-27	18"Chain	1
18	1074-28	Hitch Pin	2
19	M20-70	1/4"-20 Nylon Lock Nut	2
20	1050-18	Buckle	2
21	1050-40-A	1x12" Loop Strap w/buckle	2

Items 9-20 are packaged in chain & nut bag

CARRIER ASSEMBLY

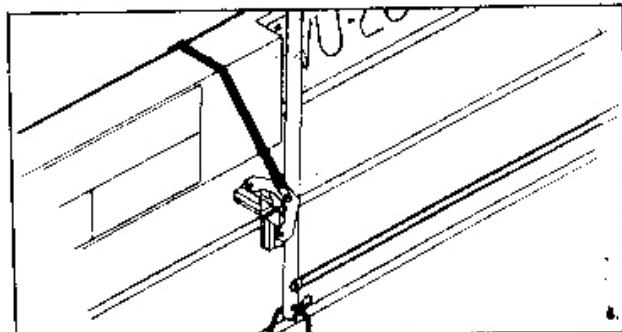
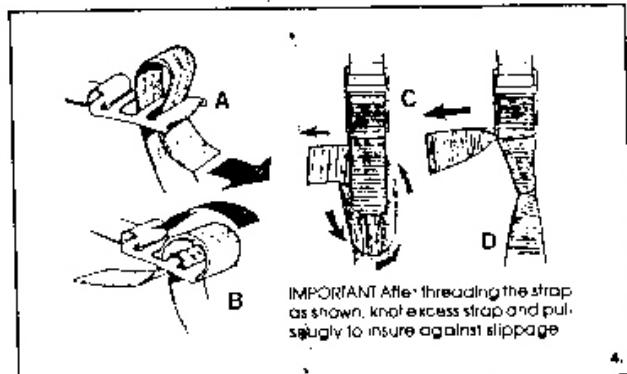
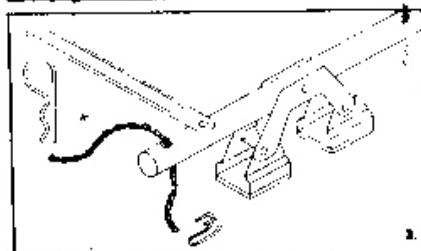
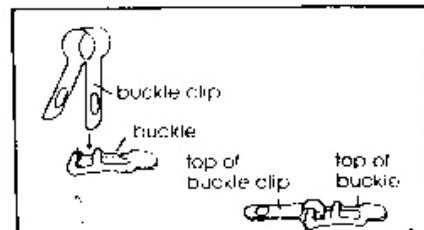
1. Remove all parts from box and check against parts list. See Fig. 1.
2. Slide loop straps (21) onto top frame (7).
3. Thread 7/16" nuts onto hanger arms (8) as far as they can go.
 - A. Take one leg and insert the end with one hole into top frame (7) and align the holes.
 - B. Insert arm into leg and top frame. Put 7/16" SAE washer and 1/2" lock washer onto hanger arm and secure with 7/16" hex nut.
 - C. Repeat steps A and B for other hanger arm.
4. Slip buckle clip (11) into buckle (20) as shown [Fig. 2] and squeeze.
5. Position gripper foot assembly (5) on main frame as shown (Fig. 1). Insert 1/4-20 x 1 3/4" hex bolt (10) from inside of frame. Put buckle and clip assembly onto bolt and secure with 1/4" lock nut. Repeat on other side.
6. Attach cross brace (4) using 1/4-20 x 1 3/4" hex bolt and secure with 1/4" lock washer and 1/4" hex nut.
7. Position carrier on ground with feet down (Fig. 3). Insert chain (17) looped end first. Insert chain hook (13). Insert hitch pin (18) into holes of chain on the opposite side of leg. Chain is to be adjusted so allow enough chain to have a little slack when mounting gripper feet on bumper. It is easier to adjust chain to a shorter length than to a longer length.
8. Thread 60"straps (3) to buckles on top frame as shown (Fig. 4 Step A).

MOUNTING CARRIER TO VEHICLE

If mounting to front bumper - not always legal. There are many vans and recreational vehicles on which it is possible to mount a bumper carrier on the front bumper. Consult local traffic enforcement officials regarding vision and clearance requirements before mounting to front bumper.

Note: If this carrier is used on vans or all glass hatchback vehicles, please read "VAN AND ALL GLASS HATCHBACK" section before proceeding.

1. Place 30" safety straps (2) on trunk lip, in holes in metal portion of trunk, front edge of metal bumper, [Fig. 5] or any solid anchoring point in trunk. Position straps at the approximate gripper foot locations. (Do not attach to carrier until Step 6)
2. Lay carrier on ground with gripper feet upwards and hanger arms on ground behind vehicle.
3. Determine attachment point for chain hook (13). Options: bottom edge of bumper, holes in bumper, holes in frame, transport loops, trunk reinforcing straps (see back page). Attach chain hook to the position you selected [Figs. 6,7,8,9&10].

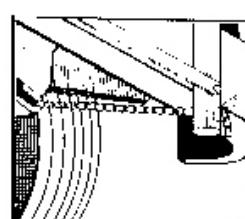
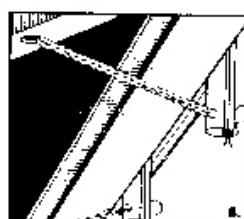
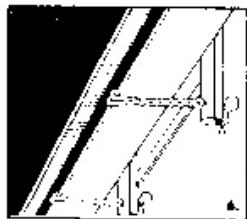


BIKEEXTRAS

BUMPER MOUNTED BICYCLE CARRIER



- 4 Lift carrier, positioning bumper foot assemblies on top and back edge of bumper (Fig. 5). Holding carrier slightly out from vertical, feed lower safety straps through buckles on bumper foot assemblies. Reposition hitch pin through chain as close as possible to frame tag. Push top of carrier toward vehicle to take all slack out of chains. Carrier should lean away from vehicle about 5° to 10°; if not re-adjust hitch pin.
- 5 Set loop straps equidistant from bends in top frame. Twist upper attachment straps 2 or 3 times. Hook onto top of trunk lid or hatchback. Be certain hook is firmly attached to a metal edge (Fig. 7). DO NOT HOOK TO FULL GLASS HATCHES, DECORATIVE METAL OR PLASTIC TRIM OR ANY METAL EDGE THAT MAY BE SUSPECT AS TO STRENGTH. Pull straps tight, securing carrier in a vertical position. Be sure gripper feet are evenly placed on the bumper of vehicle. If carrier is not vertical, reset chain length (step 4). Tie off upper attachment straps for security (Fig. 4).
- 6 Tighten lower safety straps securely and tie off for security (Fig. 4).



VANS AND ALL GLASS HATCHBACKS

Since upper stabilizer straps require attachment to strong metal edge, it is necessary in some van and some all glass hatchback applications to attach straps to sides of door frame or hatch frame. Note: It may be necessary to reset hitch pin by one less link on lower chain (step 7).

LOADING CARRIER

1. When carrying two bikes, mount them in opposite directions.
2. Bikes may be hung with carrier arms under bicycle top tube, or with arms to outside of seat tube and down tube of bike. Use latter method when extra ground clearance is needed. (Fig. 11)
3. Securely fasten bikes to hanger arms using tie down strap or bungee cords. Securing bicycle frame to carrier frame eliminates sway. Any excess material from stabilizer strap may be cut off and used to tie wheels of bikes together.
4. Remove bikes after initial loading. New straps will stretch and have to be retightened. Make sure carrier is returned to vertical when retightening. You may have to do this approximately every 50 miles during the first couple of hundred miles of use.

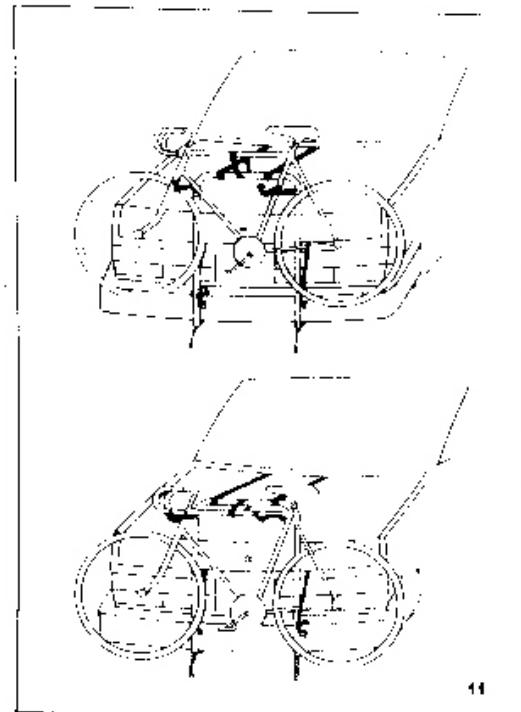
CAUTION

Before and during use, always be certain:

- Straps are in good condition
- Straps and chains are tight and secure
- Strap and chain hooks are located to assure rigid support
- Straps and carrier are in a stable location and vehicle is in a good condition in the area at which the strap hooks are located
- No more than two bicycles are placed on carrier and are secured properly to carrier. Adjust for even load distribution
- Carrier and installation is tested before and during use to assure stability and proper installation
- Straps are checked periodically for wear and are replaced when wear starts to show

WARNING

This carrier is designed to attach securely to an automobile. However, your attachment to the car is critical and beyond the control of the manufacturer. The user of this carrier must secure it properly to the car, check its attachment before each use, and inspect carrier parts for wear. The manufacturer is not responsible for and does not guarantee the attachment of this carrier to any automobile, and is not liable for any damages resulting from its attachment. The liability in any event is limited to the purchase price of the merchandise.



11

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