

INSTALLATION OUTLINE

1. Assemble Hardware.
2. Mount Hinges
3. Attach main arms.
4. Mark clamp location.
5. Mount clamps and attach spring arms.
6. Attach awning and secure awning.
7. Wind up main spring.
8. Align awning.

EQUIPMENT NEEDED

1. One 5 or 6 ft. ladder.
2. Electric drill; 9/64 or #26 and 13/64 or #7 drill bits.
3. Pencil; 8 ft. & 20 ft. measuring tapes.
4. One large regular and one medium phillips head screwdriver.
5. Two 7/16 wrenches or sockets.

HARDWARE ASSEMBLY GUIDE

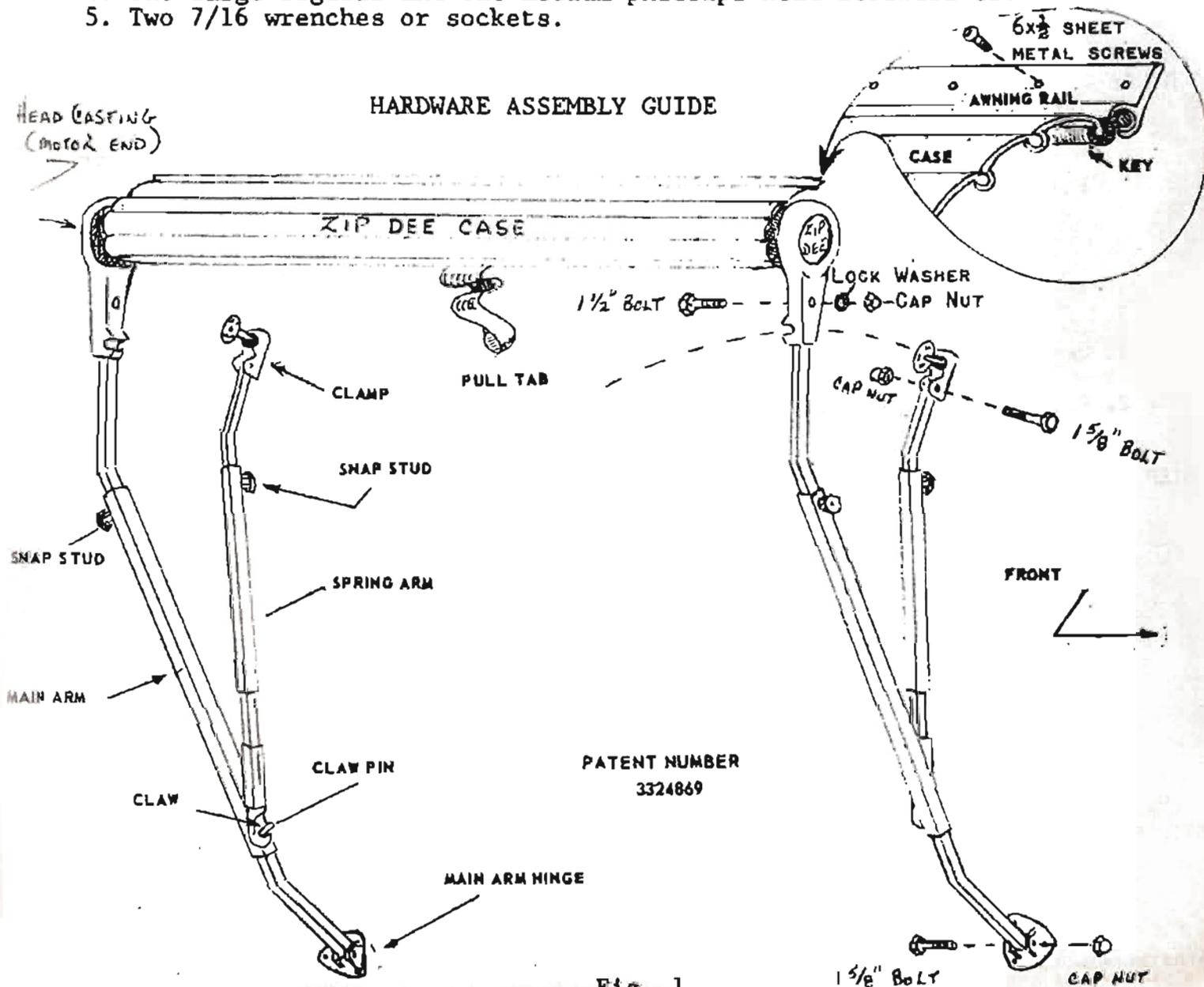


Fig. 1

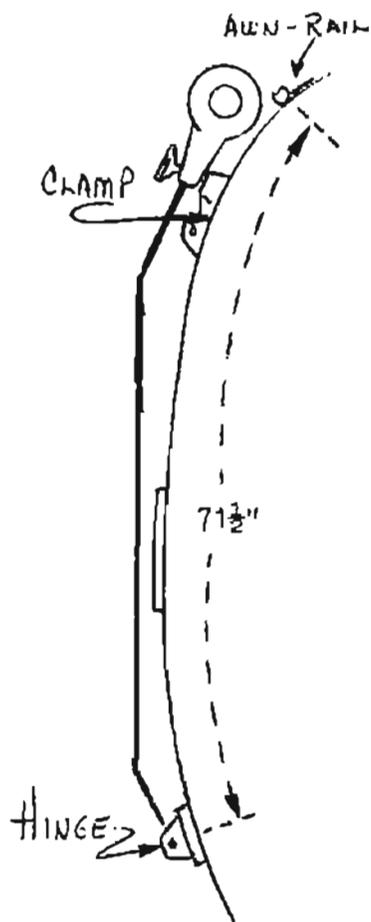


Fig. 2

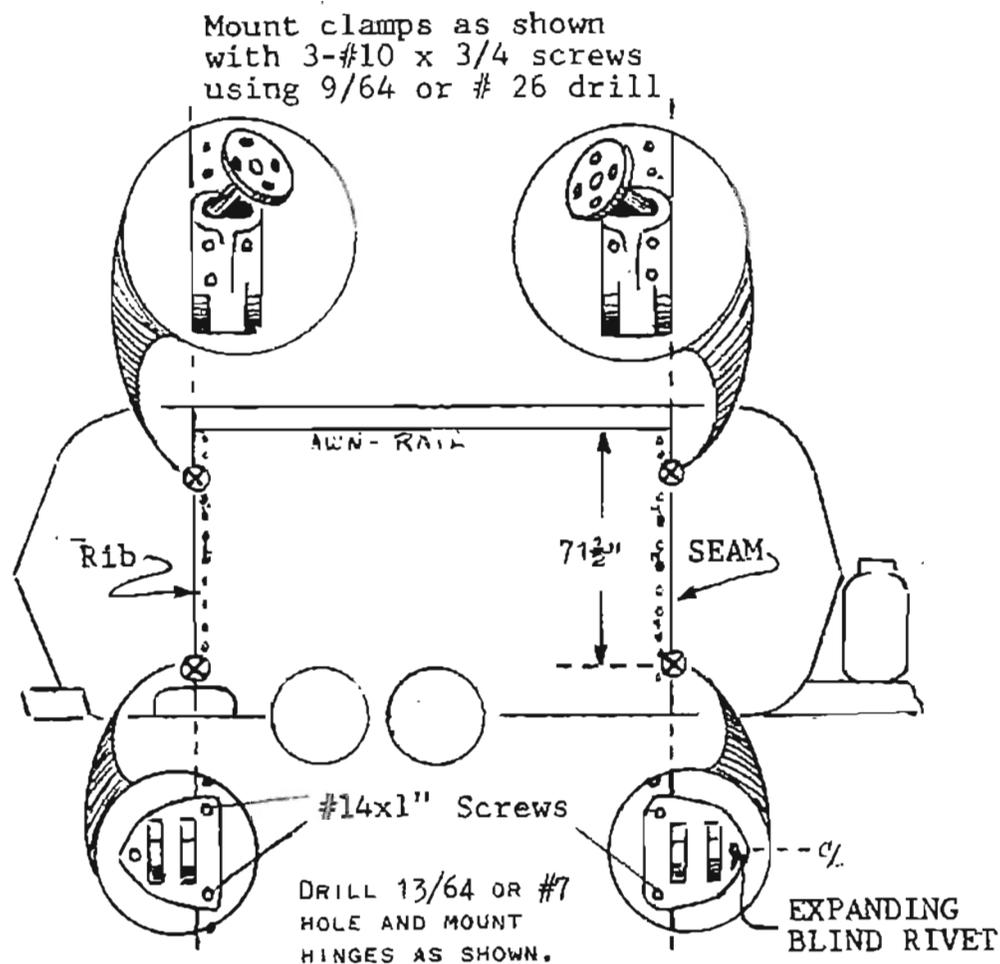


Fig. 3

- STEP 1. UNPACK AND ASSEMBLE HARDWARE AS SHOWN IN FIG. 1.
- STEP 2. REPLACE STOVE HOOD ON 1973 AND EARLIER TRAILERS. (SEE GENERAL MEASURING INSTRUCTIONS FOR MORE INFORMATION.)
- STEP 3. MOUNT HINGES ON RIBS (RIVETS FALLING IN LINE WITH HOLES OF HINGE) AS SHOWN IN FIG. 3.
- STEP 4. ATTACH ASSEMBLED MAIN ARMS TO HINGES. MOUNT PROPER HEAD CASTING ON EACH ARM (SEE FIG. 6) AND ATTACH CLAMP ASSEMBLY ON TO HEAD (WHEEL SCREWS ONTO THREADED STUD OF CLAMP AND FITS INTO CHAMFERED SEAT OF HEAD.)
- LIFT EACH ARM AGAINST COACH AND MARK EXACT LOCATION OF CLAMP. AS SHOWN IN FIG. 2.
- NOTE: CLAMP CASTING ALSO SERVES AS STRIKE PLATE TO PREVENT HEAD CASTING FROM STRIKING TRAILER. IF THERE IS CONTACT, BEND STEEL BAR SO THAT HEAD IS ABOUT $\frac{1}{2}$ " FROM COACH AT CLOSEST POINT.
- STEP 5. MOUNT CLAMPS ON MARKS ABOVE, IN LINE WITH RIBS OF COACH AS SHOWN IN FIG. 3. ATTACH PROPER SPRING ARM ASSEMBLY TO EACH CLAMP (SEE FIG. L).

STEP 6. ATTACH & LOCK AWNING IN RAIL

- A. Attach awning assembly to main arms as shown in Fig.4-1.
- B. Remove all packing straps, except center, from awning assembly and remove key extrusions from case.
- C. Lift awning against coach, with fabric toward body.
- D. Attach case to awning rail by inserting the Key extrusions from front & rear as shown in Fig.4-2.
- E. Center the case between the ribs and lock key and case in place by crimping ends of awning rail & Key as shown in Fig. 4-3.

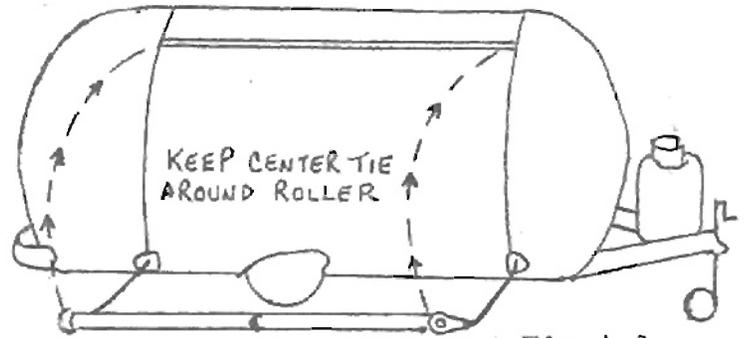


Fig.4-1

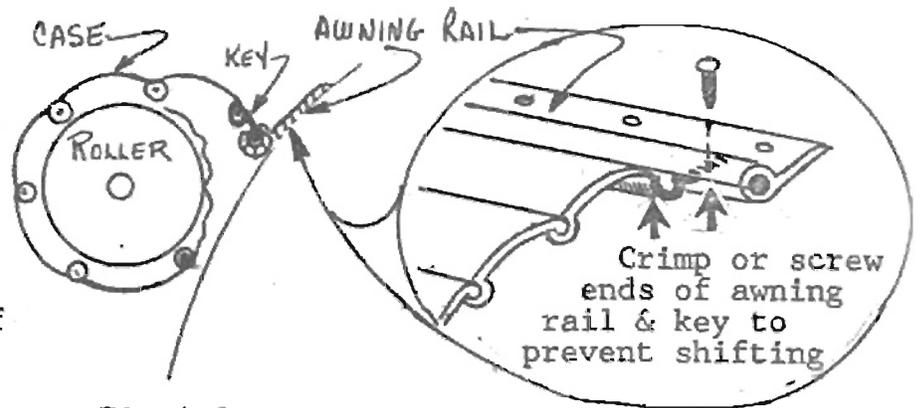


Fig.4-2

FIG.4B

INSTRUCTIONS FOR WINDING TORSION SPRING

THE SINGLE TORSION SPRING IS WOUND BY TURNING THE HEAD CASTING CLOCKWISE (FACING FORWARD), USING THE STEEL SUPPORT ARM BAR AS A LEVER (SEE FIG.5). INSERT THE BAR INTO THE HEAD AND SECURE IT IN PLACE WITH $1\frac{1}{2}$ " BOLT, LOCKWASHER AND CAP NUT (SEE FIG.6). BE SURE THAT THE BAR IS ALL THE WAY INTO THE HEAD SO THAT THE BOLT HOLES ALIGN.

WIND THE SPRING ACCORDING TO THE AWNING SIZE, USING THE GUIDE BELOW. ADD OR DEDUCT 2 TURNS PER FT. FOR SIZES NOT SHOWN.

17 FT. AWNING	—	28 TURNS
19 FT. AWNING	—	31 TURNS
21 FT. AWNING	—	34 TURNS

AFTER WINDING, SLIDE THE MAIN ARM TUBE ONTO THE BAR WITH THE END OF THE BAR FACING AWAY FROM THE COACH. THEN SWING THE ASSEMBLED ARM TO THE COACH AND BOLT ONTO HINGE.

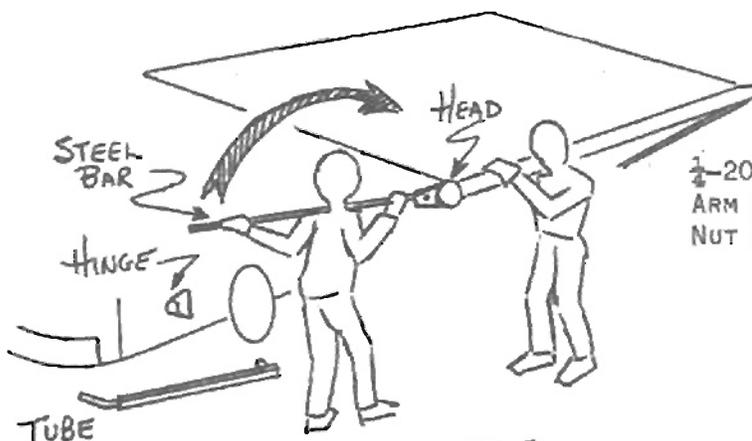


FIG.5

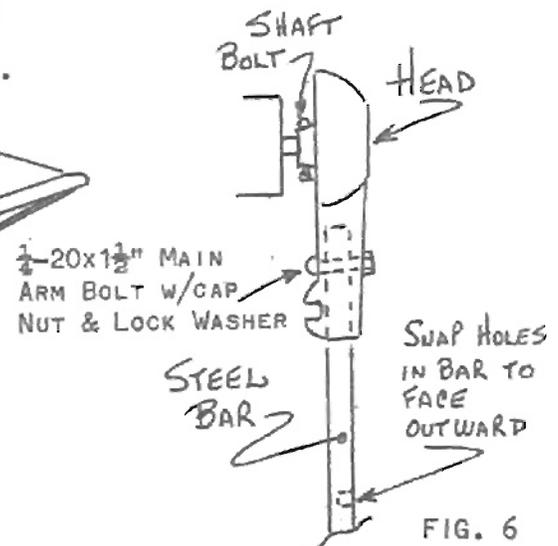
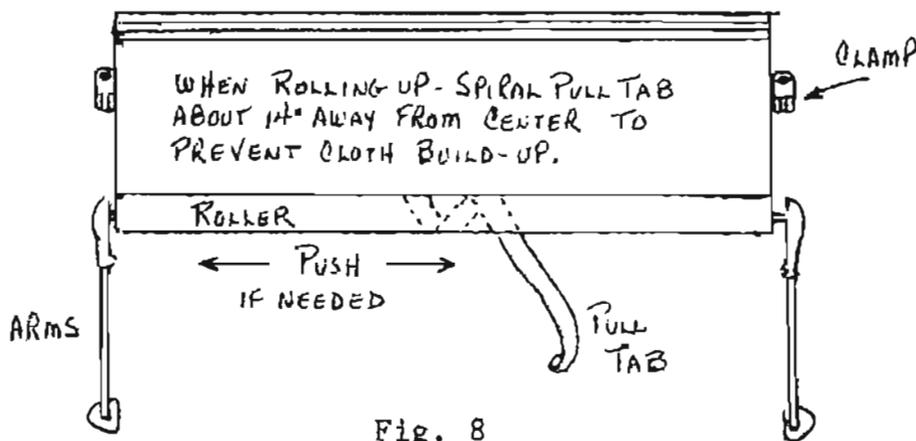


FIG. 6

STEP 8. ALIGN AWNING

Test the tension and adjust accordingly. Because of a natural variation in spring tempers, you may have to add or take off a few turns. The tension is correct when the awning does not start to roll up by itself when the spring arms are off, but pulls itself up when given a swift rolling push upward. About 12 - 24 inches of fabric may have to wind around the roller before the spring takes over.



Close the awning following instructions in the Owners Manual. Be sure to release and extend the spring arms in order to place the claws on the claw pins (as shown in Fig. 1.). This must be done every time the awning is rolled up. The scissor-like action guides the main arms upward to line up with the clamps.

Also, be sure to use the pull tab to control the speed and direction of the roller. Spiral the tab as shown above to prevent cloth build up. Release the tab when the roller is about 14 inches from the trailer, allowing the awning to snap closed.

When closed, there should be an even amount of exposed roller at either end of the awning and the head should be in line with the clamps. If not, unroll and close the awning again, giving the roller a lateral push in the direction needed.

Please read the Owners Manual carefully. It contains important information regarding the care and treatment of Zip-Dee. For safety sake, always close the awning when the vehicle is left unattended or when the weather threatens.