



IMPORTANT: REVISED INSTALLATION INSTRUCTIONS

NEW STEP 4

- A. Remove head castings from top of main arm bar.
- B. Attach rafter arm bar to roller shaft. To correctly orient teeth on bar, slide link onto shaft fin side facing outward as shown in Fig. 4A
- C. Align hole in front head casting with hole in shaft. (To align front end with Z-Lock, pull lever down to free shaft and rotate cover so that lever is facing down as shown.
- D. Attach front head casting to roller assembly with #10-32 x 1-1/2" bolt, lock washer and nut.
- E. Attach rear head casting to roller assembly with same size bolt, washer and nut.
- F. Insert head casting onto each main arm bar. Secure with 1/4" - 20 x 1 3/8" flat head machine screw, lock washer and cap nut. (See Fig. 4B) Test to insure bar is secured by bolt.

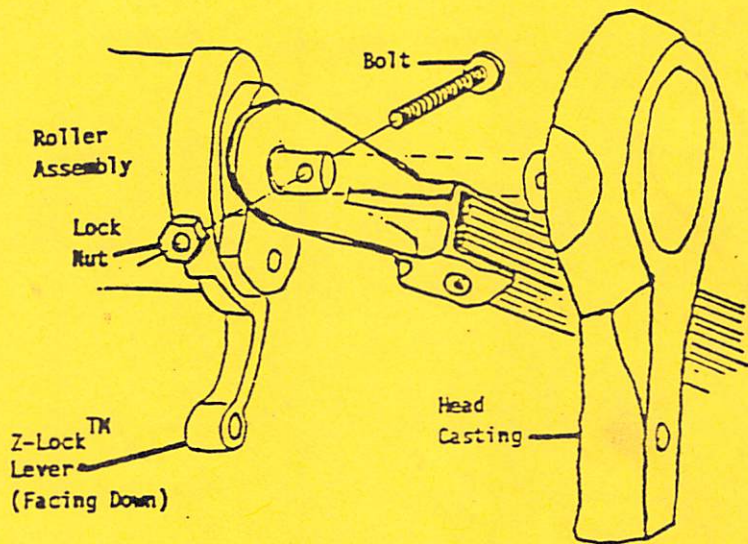


Fig. 4A

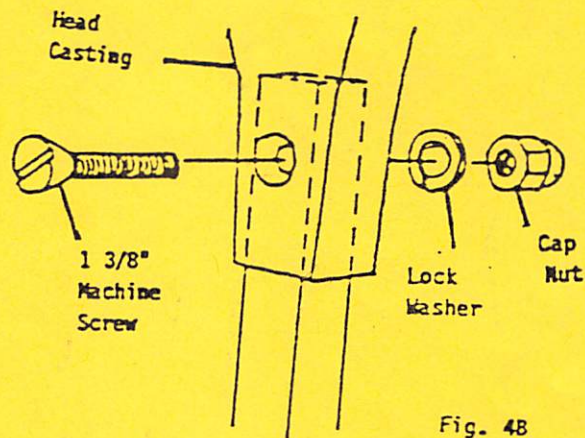


Fig. 4B

NEW STEP 7

Skip Step 7

INSTALLATION INSTRUCTIONS FOR

blue bird wanderlodge

USE THESE INSTRUCTION ONLY WITH HARDWARE MARKED

UC 6

INSTALLATION OUTLINE

1. ASSEMBLE HARDWARE
2. INSTALL AWNING RAIL
3. MOUNT HINGES
4. ATTACH MAIN ARMS AND 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

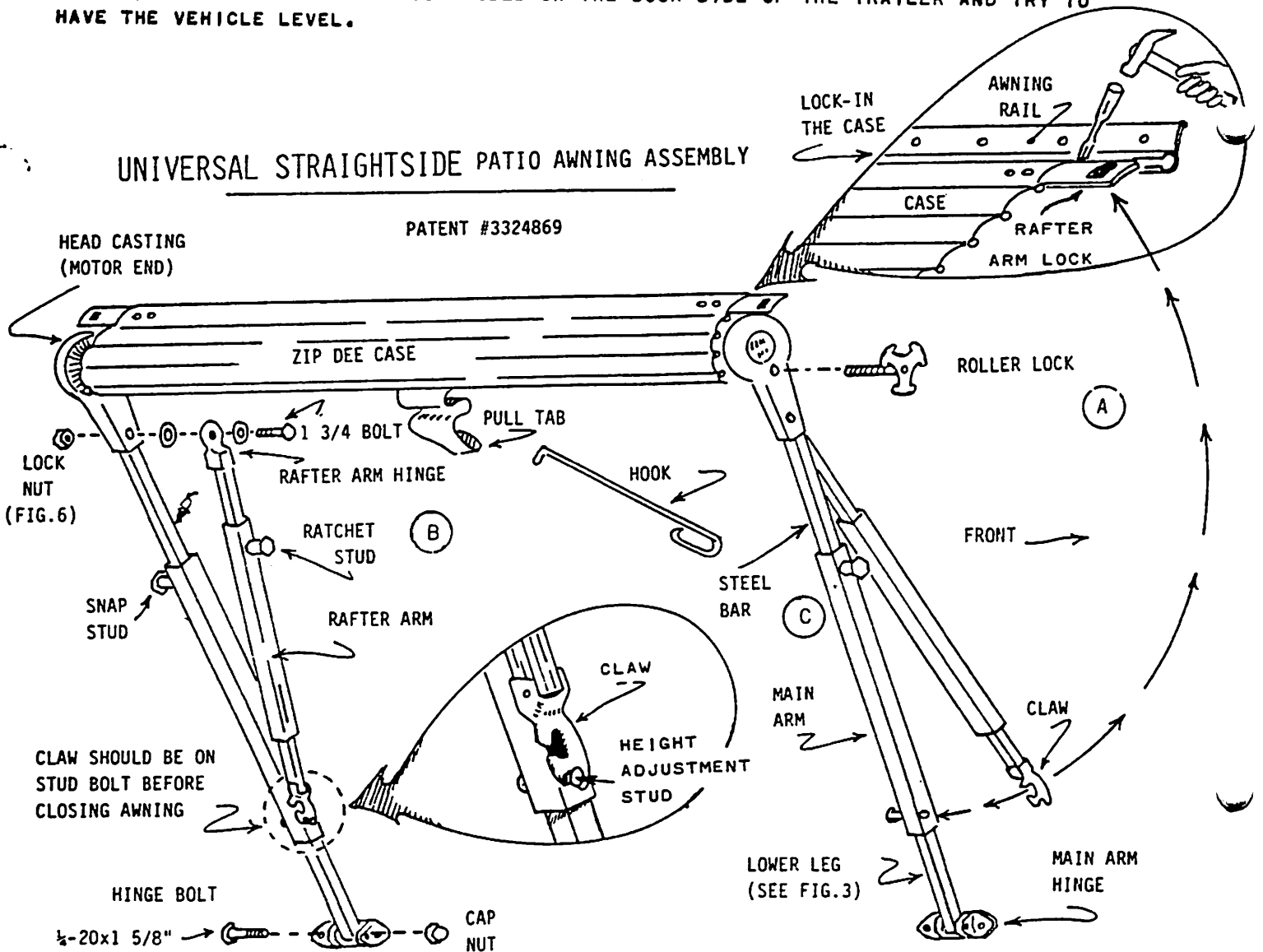
ONE 5 OR 6 FOOT LADDER.
 ONE ELECTRIC DRILL, 50 FOOT ELECTRIC CORD, 9/64 OR #26 AND 13/64 OR #7 TWIST DRILLS.
 PENCIL AND 8 FOOT TAPE. 2 SCREW DRIVERS - LARGE REGULAR AND MEDIUM PHILLIPS.
 TWO WRENCHES OR SOCKETS 7/16".

WORKING AREA NEEDED

ABOUT 9 FEET OF CLEAR AREA IS NEEDED ON THE DOOR SIDE OF THE TRAILER AND TRY TO HAVE THE VEHICLE LEVEL.

UNIVERSAL STRAIGHTSIDE PATIO AWNING ASSEMBLY

PATENT #3324869



STEP 1. UNPACK HARDWARE AND ASSEMBLE ARMS AS SHOWN IN FIG. 1.

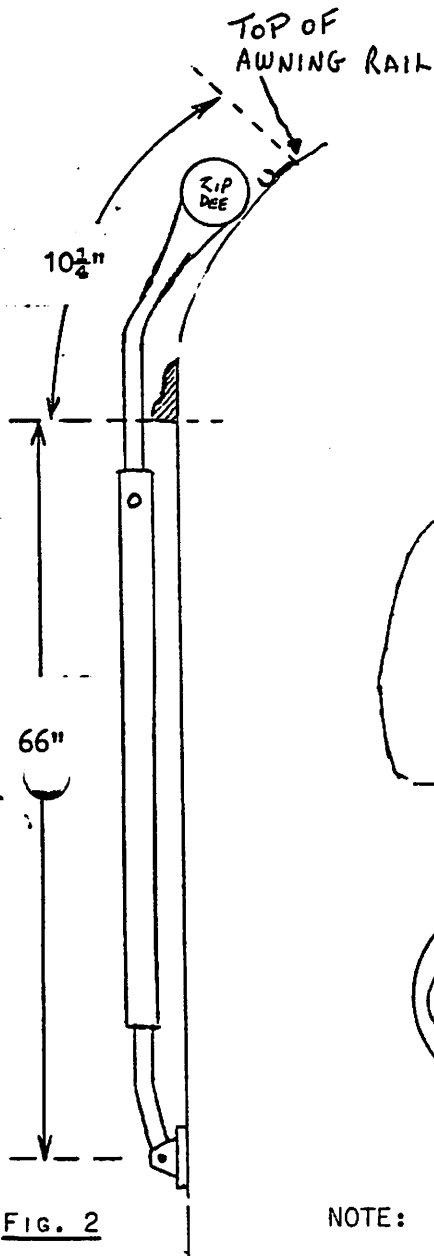


FIG. 2

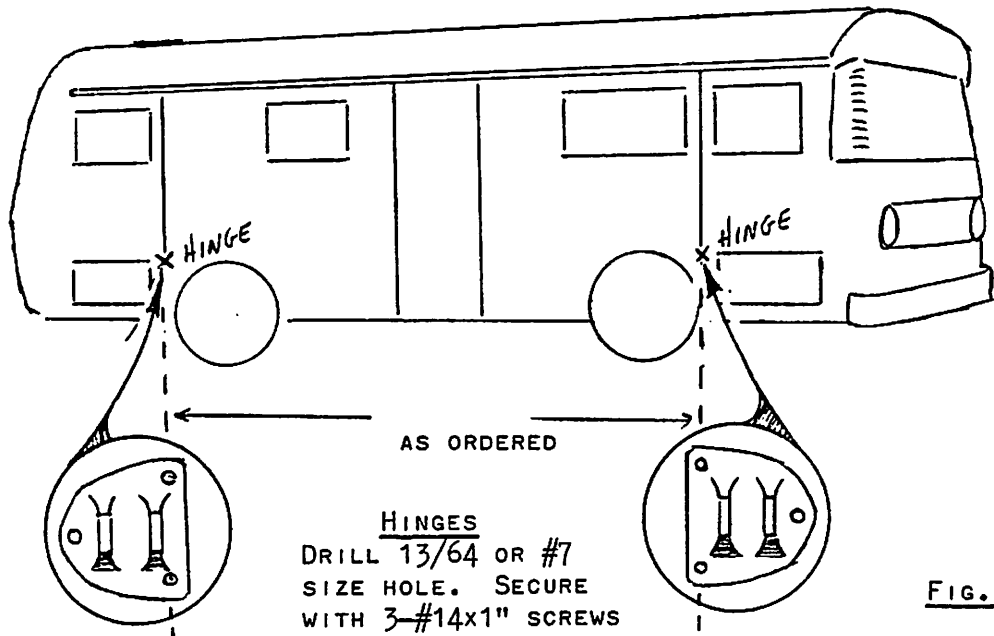


FIG. 3

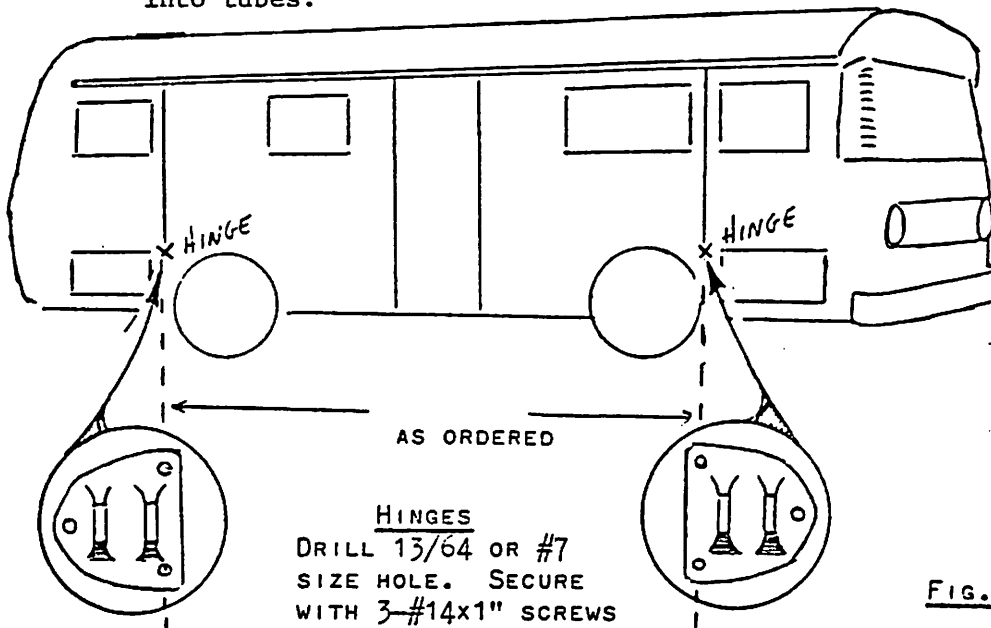
NOTE: TO PREVENT LEAKS, FILL ALL DRILLED HOLES WITH SILICONE RUBBER CEMENT BEFORE MOUNTING FITTINGS.

STEP 2. STRIKE LEVEL CHALK LINE AND MOUNT AWNING RAIL AS SHOWN IN FIG. 2, USING THREAD CUTTING SCREWS PROVIDED. SEAL EACH HOLE AND TOP OF RAIL WITH SILICONE RUBBER CEMENT TO PREVENT LEAKS.

STEP. 3 DETERMINE HINGE HEIGHT AS SHOWN IN FIG. 2 & 3. MOUNT HINGES ON RIBS (OR PLUMB LINE).

STEP 4. MOUNT HINGES & MAIN ARM

- A. Mount main arm hinges at the center line determined in step 3A (Fig. 3) Space hinges so that the distance between the centers of the hinges is equal to the size awning ordered.
Mount with #14 x 1-1/2" stainless steel sheet metal screws.
- B. Attach main arms to hinges as shown in Fig. 1, (snap studs to outside with notches forward) using 1/4-20 x 1-5/8" stainless steel bolts and cap nuts. Insert stainless steel main arm bars into tubes.



STEP 5. INSTALL AWNING ROLLER ASSEMBLY

- A. Remove awning roller from shipping tube.
- B. Remove rafter arm key locks (Fig. 4A) and connecting key (Fig. 4B) from each end of case as shown in Figure 4. Discard the key locks.
- C. Attach head casting to each end of roller as shown in Fig. 6.
DO NOT attach rafter arms.
- D. With main arms laying away from coach, (Fig. 5) attach awning roller assembly to arms by slipping head castings onto main arm bars. See Fig. 6. Bolt arms to casting using 1/4-20 x 1-3/4" bolts. Bolts will be loose since rafter arm hinges are not yet attached. Screw in roller locks until threaded studs are snug against roller ends.
- E. Place ladders at each end of arms near coach and lift awning assembly to awning rail.
- F. Insert connecting key from each end of roller assembly so that bead end of extrusion slips into awning rail groove and key groove slips around bead at end of case slot until they butt at center of awning.
- G. Insert the slotted rafter arm key locks (packed in the parts bag) into end of core and secure with (2) 1/8" stainless steel blind rivets (Figure 4).
- H. Loosen roller locks and allow awning to open gently (Fig. 5).

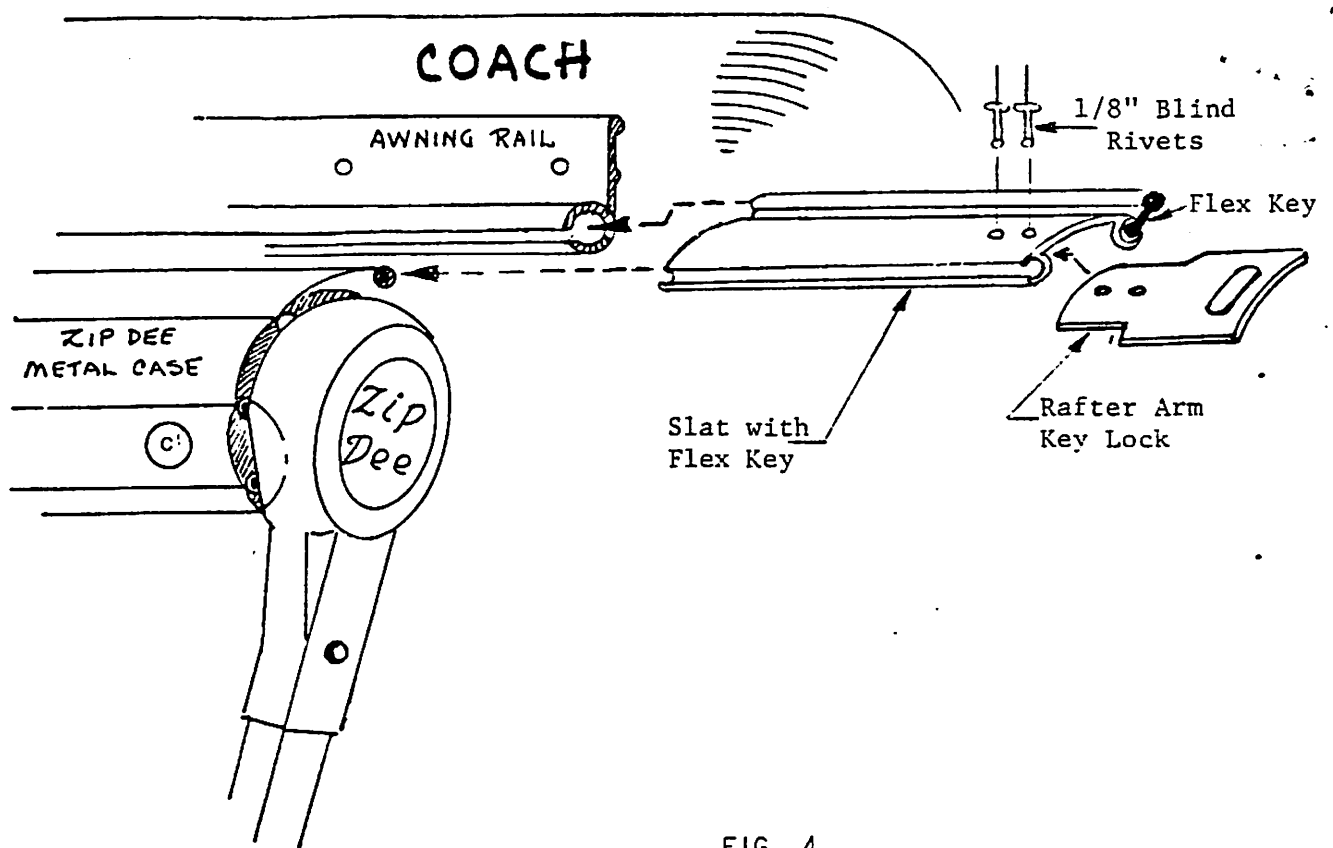


FIG. 4

STEP 6. WIND SPRING AND CONNECT RAFTER ARM

- A. SUPPORT ROLLER AS SHOWN IN FIG. 5, AND DISCONNECT REAR MAIN ARM AT HINGE CASTING. SLIP TUBE ASSEMBLY FROM STEEL BAR.
- B. WIND THE TORSION SPRING (THERE IS ONLY ONE), USING THE STUD BAR AS A LEVER (FIG. 5), THE NUMBER OF TURNS SHOWN IN THE WINDING GUIDE BELOW. AN ADDITIONAL 10 TURNS WILL HAVE BEEN PUT ONTO THE SPRING ON OPENING. ADD OR DEDUCT 2 TURNS PER FOOT FOR SIZES NOT SHOWN.
- C. AFTER WINDING, SLIP TUBE ASSEMBLY BACK ONTO BAR AND ATTACH ADJUSTMENT LEG TO BASE HINGE WITH 1/4-20 x 1-5/8" BOLT AND CAP NUT.
- D. REMOVE 1/4-20 x 1-3/4" HEAD BOLTS AND ATTACH RAFTER ARMS TO INSIDE OF EACH HEAD CASTING AS SHOWN IN FIG. 6. USE 2-1/2" x 1/32" STAINLESS WASHERS ON EACH SIDE OF RAFTER ARM HINGE AND SECURE WITH HEAD BOLT AND LOCK NUT. BE SURE BOLT ENGAGES NYLON PORTION OF NUT BUT ALLOWS FREE MOVEMENT OF RAFTER ARM.

- E. SLIDE RAFTER ARM TUBE ONTO BAR WITH THE SLOT IN TUBE FACING AWAY FROM MAIN ARM AND HOOK CLAW ONTO PROTRUDING ADJUSTMENT STUD. LOCK ARM IN POSITION BY PUSHING TUBE DOWNWARD TOWARD STUD, COMPRESSING THE SPRING, UNTIL RATCHET STUD ENGAGES RECESS IN BAR.

WINDING GUIDE

- 17 FT. AWNING....18 TURNS
- 19 FT. AWNING....20 TURNS
- 21 FT. AWNING....22 TURNS
- 23 FT. AWNING....24 TURNS

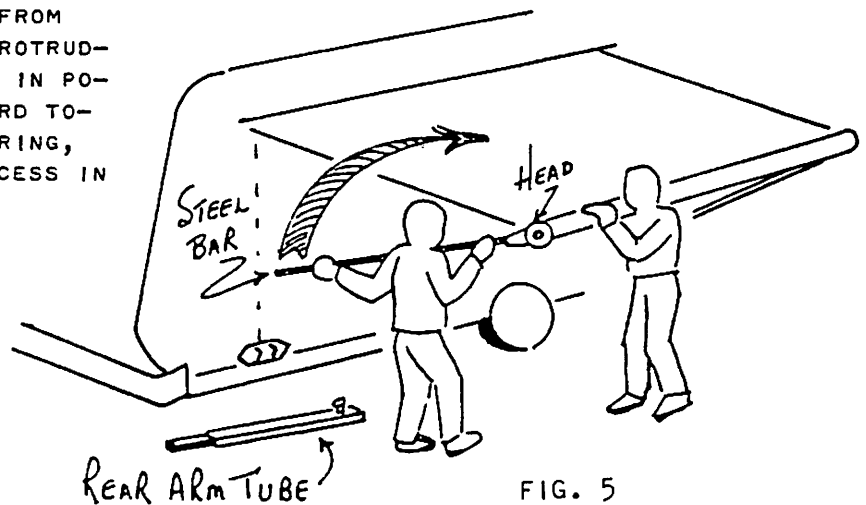
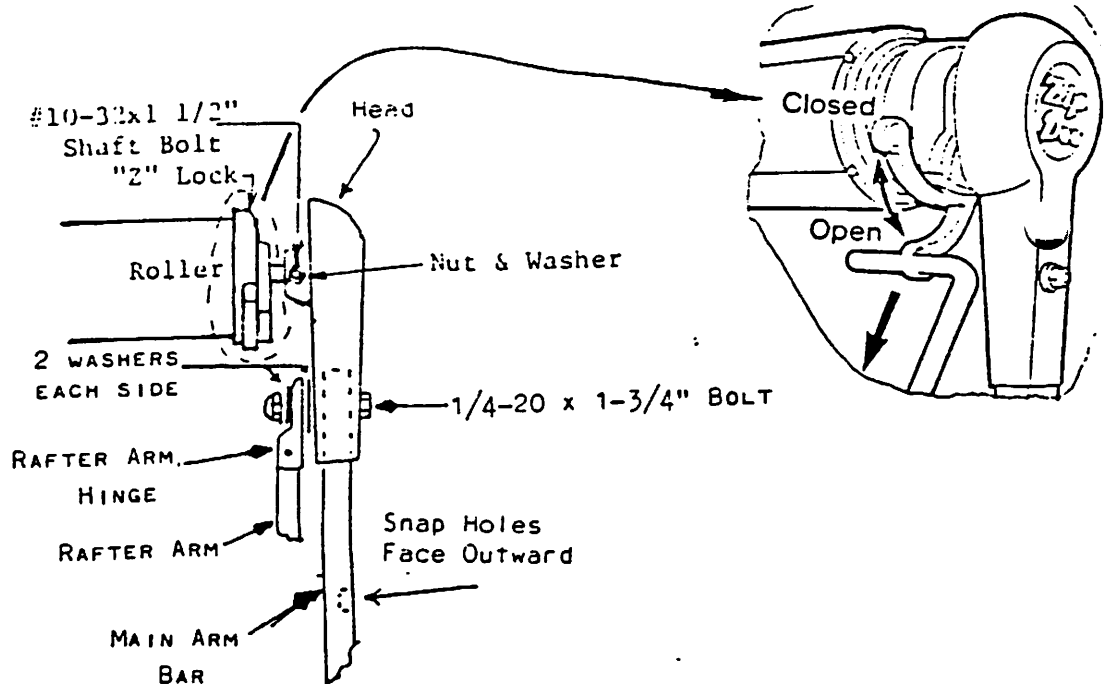


FIG. 5

FIG. 6



STEP 7 FINAL CHECKOUT; ALIGN AND LOCK CASE

NOW TEST THE SPRING TENSION AND ADJUST ACCORDINGLY. THE AWNING SHOULD NOT START TO ROLL UP UNTIL YOU GIVE THE ROLLER A SWIFT STARTING PUSH UPWARD. 12 TO 24 INCHES OF FABRIC MAY HAVE TO WIND AROUND THE ROLLER BEFORE THE SPRING TAKES OVER. BECAUSE OF VARIATIONS IN SPRING TEMPER, YOU MAY HAVE TO ADD OR DEDUCT A FEW TURNS TO REACH THE RIGHT BALANCE.

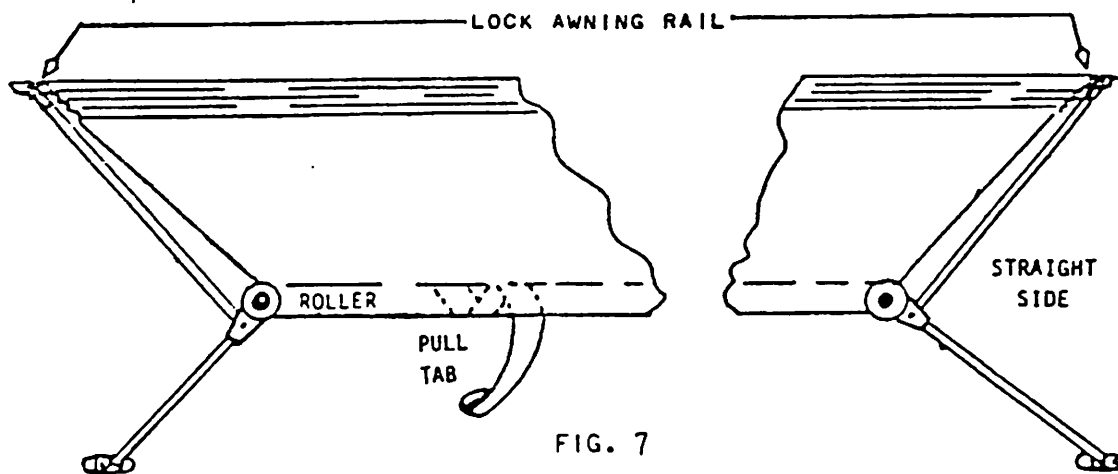


FIG. 7

USE THE PULL TAB TO CONTROL SPEED AND DIRECTION OF THE ROLLER AND SPIRAL THE TAB AS SHOWN IN FIG. 7 TO PREVENT CLOTH BUILD-UP. RELEASE THE TAB WHEN THE ROLLER IS ABOUT 14 INCHES FROM THE COACH, ALLOWING THE AWNING TO SNAP CLOSED.

WHEN CLOSED, THERE SHOULD BE AN EVEN AMOUNT OF EXPOSED ROLLER AT EITHER END OF THE AWNING. IF NOT, UNROLL AND CLOSE THE AWNING AGAIN, GIVING THE ROLLER A LATERAL PUSH IN THE DIRECTION NEEDED.

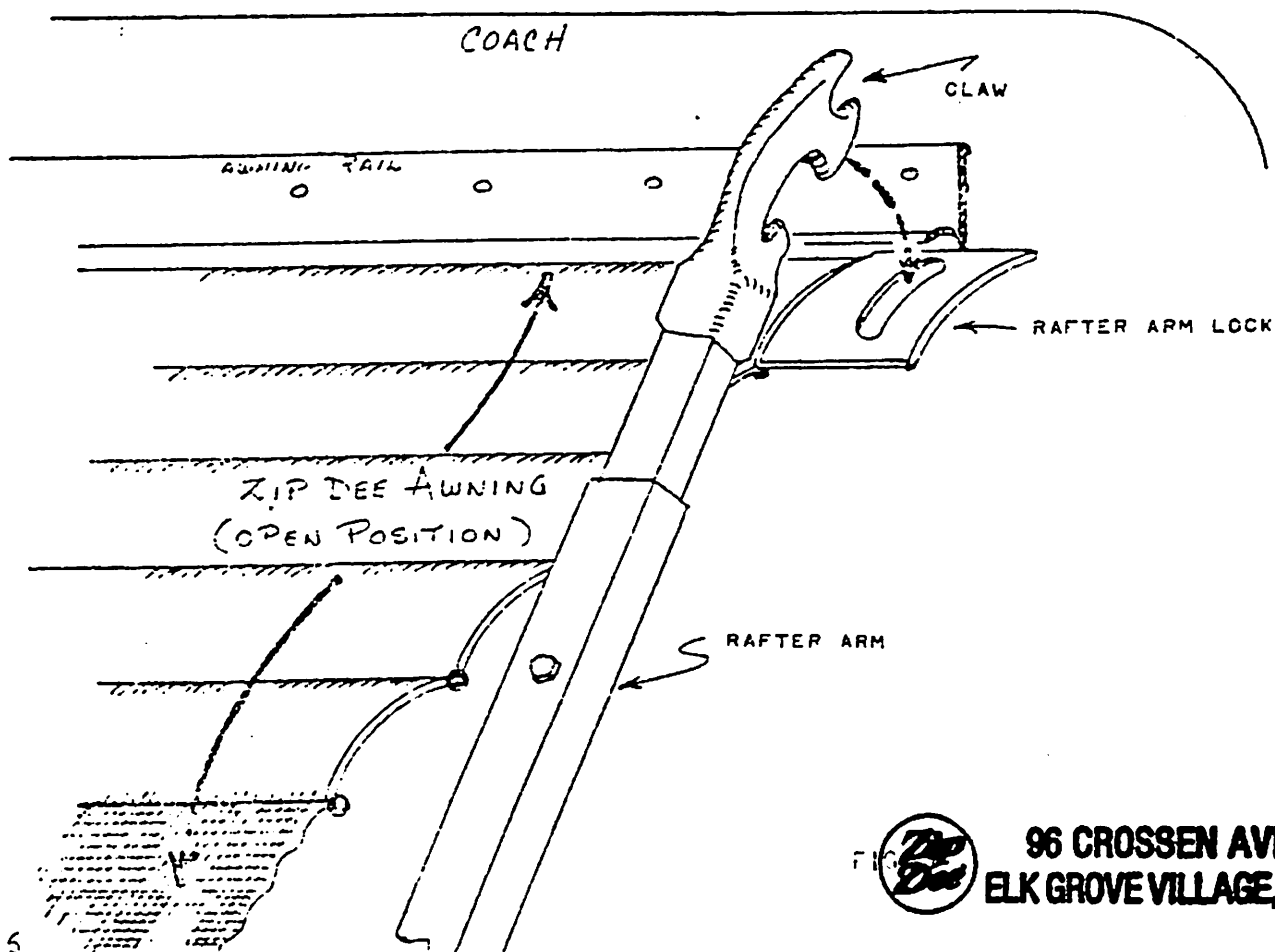
AFTER THE CASE AND ROLLER HAVE BEEN CENTERED AND THE ARMS ARE PLUMB AND PARALLEL, LOCK THE CASE IN POSITION BY CLOSING THE AWNING RAIL AT EACH END AS CLOSE AS POSSIBLE TO THE END OF THE KEY EXTRUSION AS SHOWN ABOVE AND IN FIG.1.

OPERATION OF UNIVERSAL FLATSIDE AWNING

1. LOCK THE AWNING IN PLACE FOR TRAVEL BY TURNING THE ROLLER LOCK (SEE FIG. 1/A) CLOCKWISE UNTIL IT ENGAGES WITH THE DIMPLES IN THE ROLLER PLUG CASTINGS. TURN THE ROLLER LOCK COUNTER-CLOCKWISE SO IT WILL PASS THE EARS OF THE ROLLER PLUG CASTING AND ALLOW THE AWNING TO BE UNROLLED.
2. WITH THE AWNING FULLY UNROLLED, RELEASE THE RATCHET STUD (FIG. 1/B) ON THE RAFTER ARM. SWING THE ARM TOWARD THE CASE AND ENGAGE THE HOOK SECTION OF THE CLAW IN THE RAFTER LOCK (FIG. 8). MAKE SURE THE PIN ON THE RATCHET STUD CAP IS ORIENTED AT THE ARROW ON THE RAFTER ARM TUBE. LOCK THE RAFTER ARM AT EACH END BY PRESSING DOWN ON STEEL MAIN ARM BAR (FIG. 1/C), MAKING THE FABRIC TAUT, UNTIL THE RATCHET STUD ENGAGES.
3. RAISE AWNING TO DESIRED HEIGHT BY RELEASING SNAP STUD ON MAIN ARM AND PUSHING UP AND OUT ON ROLLER ASSEMBLY.
4. REPEAT PROCEDURE AT OTHER END OF AWNING.

CLOSE DOWN

1. LOWER AWNING TO BOTTOM POSITION BY RELEASING SNAP STUD AND DROPPING ROLLER ASSEMBLY.
2. RELEASE RATCHET STUD ON RAFTER ARM AND LIFT THE CLAW OUT OF THE RAFTER LOCK.
3. PLACE ARM CLAW CASTING ON PROTRUDING STUD ADJUSTMENT AS SHOWN INSET IN FIG. 1/C. TO LOCK ASSEMBLY, PUSH TUBE IN DIRECTION OF HEIGHT ADJUSTMENT STUD UNTIL RATCHET STUD ENGAGES. REPEAT AT OTHER END OF AWNING.
4. ROLL AWNING AGAINST COACH USING THE PULL TAB TO GUIDE THE AWNING (FIG. 7).
5. LOCK ASSEMBLY IN PLACE BY TURNING ROLLER LOCKS CLOCKWISE UNTIL THEY ENGAGE THE ROLLER PLUG CASTINGS.



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