

# Schaller Engineering

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Dear John,

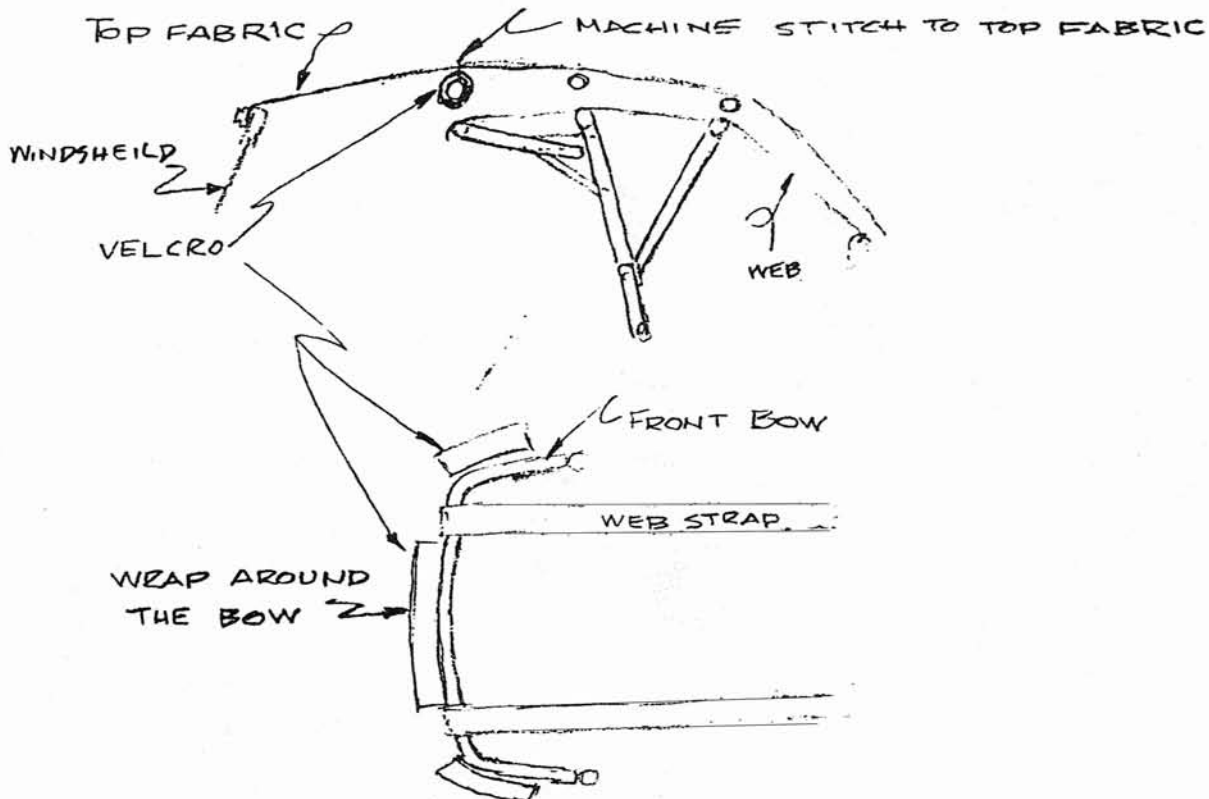
The TR3 top has always been an annoyance with its penchant for ballooning up away from the front top bow. That takes all the pressure off the front bow and it can rattle its little head off, besides the stretching of the top fabric does not promote long life.

About six years ago I had my upholstery friend stitch lengths of VELCRO strips across the under side of the top and when up and fastened it very effectively prevents the ballooning and maintains pressure on the bow and stops the rattling. The sketch shows the detail of the fix.

Bob Schaller  
20 June 1994

## TR 2-3 ANTI-BALLOON FIX

BOB SCHALLER





Occasional Seat TR3A Pre 60,000

#### OCCASIONAL SEAT

The accessories section of STANDARD TRIUMPH MOTOR COMPANY TR 2-3 SPARE PARTS CATALOG lists such options as heater, rear wheel cover kit (fender skirts), fitted suitcase and occasional seat. Now that the TR 3 is near 40 years old, the occasional seat like some of the other options that were offered are desired by many because they are somewhat unique, improve the appearance of the car, and are functional. The occasional seat is appreciated most by passengers who are less than 3 feet, 6 inches tall, otherwise, they are a little cramped. They do, however, improve the appearance of the interior, especially on the pre TS-60000 cars with the slant rear floor. The wider gas tanks used on TR 2 models prevented the use of a rear seat, but they were available for all TR 3 thru TR 3B models.

There are three different types used: The TR 3 (TS 8637 to TS 22013), which had a paper board front gas tank casing (cover), consisted of a cushion board to sit on and a squab board to protect the not so stiff paperboard gas tank cover. The TR 3A pre TS-60000 had a different set of mounting brackets and used only a cushion board. The upholstered front gas tank casing, which was more rigid than the early cars, served as the squab (back rest). The later bodied TR 3A and the TR3B had a boxed shelf for the rear floor and did not require brackets or a squab. Although many used this later floor style as an occasional set, there was a padded cushion board available to provide some comfort and further reduce head room with the hood (top) in place.

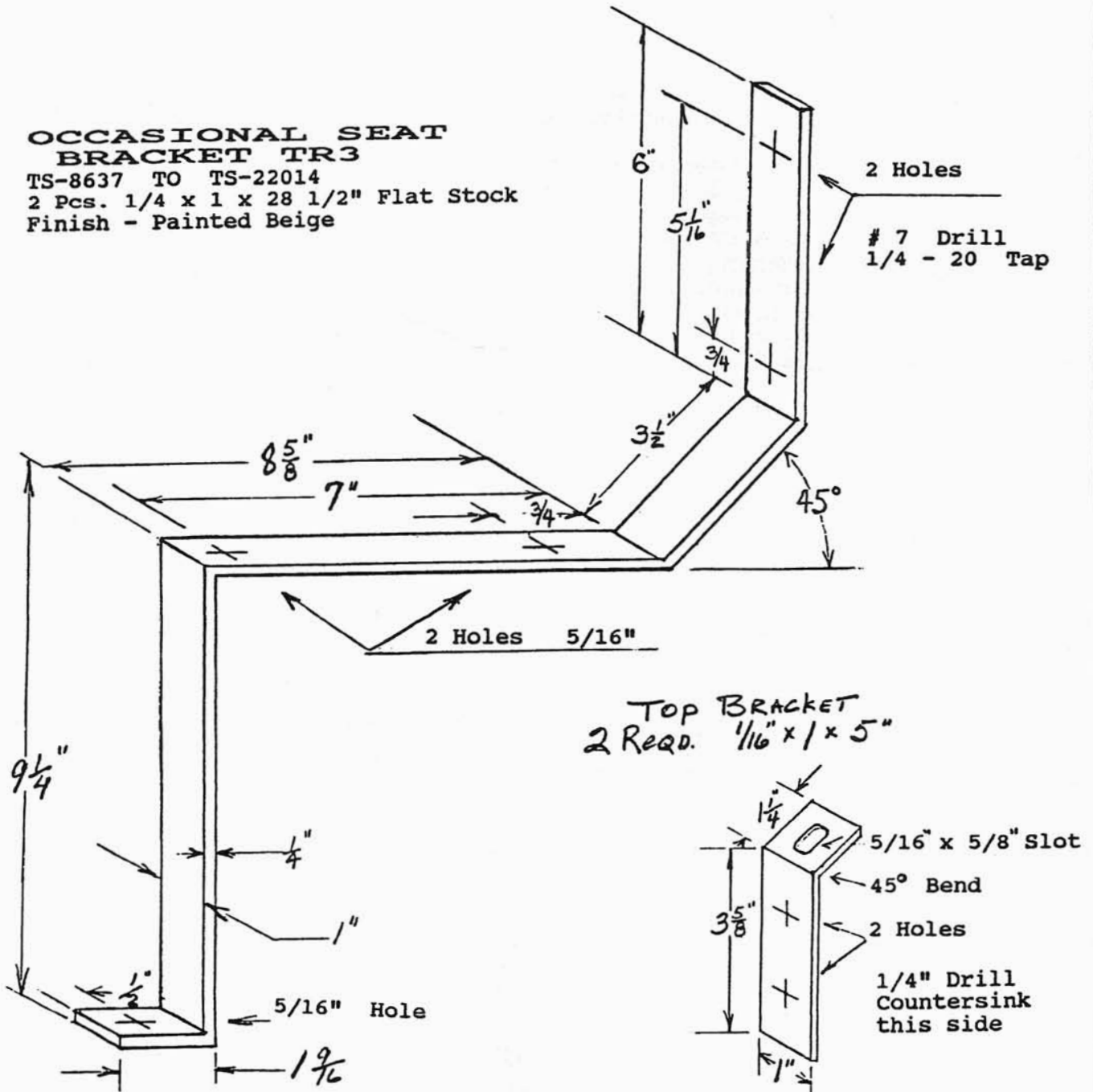
Here are the plans to make an occasional seat for your TR. It will be easy enough to construct with readily available materials. Probably the most difficult task will be finding a vinyl or leather covering to match your existing interior.

Good luck, call if you have any questions and let us know how it turns out.

Joe Richards

**OCCASIONAL SEAT  
BRACKET TR3**

TS-8637 TO TS-22014  
2 Pcs. 1/4 x 1 x 28 1/2" Flat Stock  
Finish - Painted Beige



The 1/4 x 1" flat stock will probably require some heat from a torch to make the bends required. Even then the corners will not be as sharp as the drawing illustrates, and they are not supposed to be.

OCCASIONAL SEAT SQUAB (BACK) TS-8637 TO TS-22014 TR-3

The seat back is constructed of 3/8" plywood, 14" x 33 7/8". this size is slightly larger than is needed but will make construction easier. The 33 7/8" dimension is critical, measure it carefully.

- Step 1. Mark plywood with pencil as shown on illustration "D". Points 1 & 2 are center points for 1 7/8' Radius.
- Step 2. Use a compass or trace the 1 7/8" radius. Drive in a Locating Pin as shown in illustration "E". (Note: 1" finishing nails work well, only drive them in about half way so that they hold the yardstick secure and are easy to remove). Take a flexible yardstick, place the 18" mark on the locating pin and bow both ends (similar to a kite stick) to blend with the corner Radius on both corners. With a helper trace along the inside edge to meet both rounded corners. THIS WILL NOT BE EXACT, but will be close enough to freehand a graceful top edge.
- Step 3. Layout and drill the 4 - 1/8" holes (illus. E). These are pilot holes for 4 flat head wood screws to fasten the upper bracket to squab.
- Step 4. Layout and drill the 4 - 1/4" holes (illus. E). Now countersink these holes to accept a 1/4" - 20 flat head machine screw.
- Step 5. Layout the 3/8" Radius on lower corners to avoid ripping cover material when installed. ( Drawing a 3/8" Radius on plywood is better done by using a copper Penny and tracing around it.
- Step 6. Cut out squab with a jig saw or whatever else you may have. Sand rough edges and paint both sides flat black.
- Step 7. Fasten Squab board to iron brackets using 4 flat head 1/4"x20 screws. The iron brackets will be on the upholstered side of the board.
- Step 8. Spot cement a 2" foam cushion cut to size to the board, and install vinyl or leather seat cover with tacks or staples. Iron brackets are installed to board before padding and cover is installed. You must upholster around iron brackets. Install the 2 upper brackets with appropriate flat head wood screws.

# OCCASIONAL SEAT SQUAB

TS-8637 TO TS-22014 TR 3

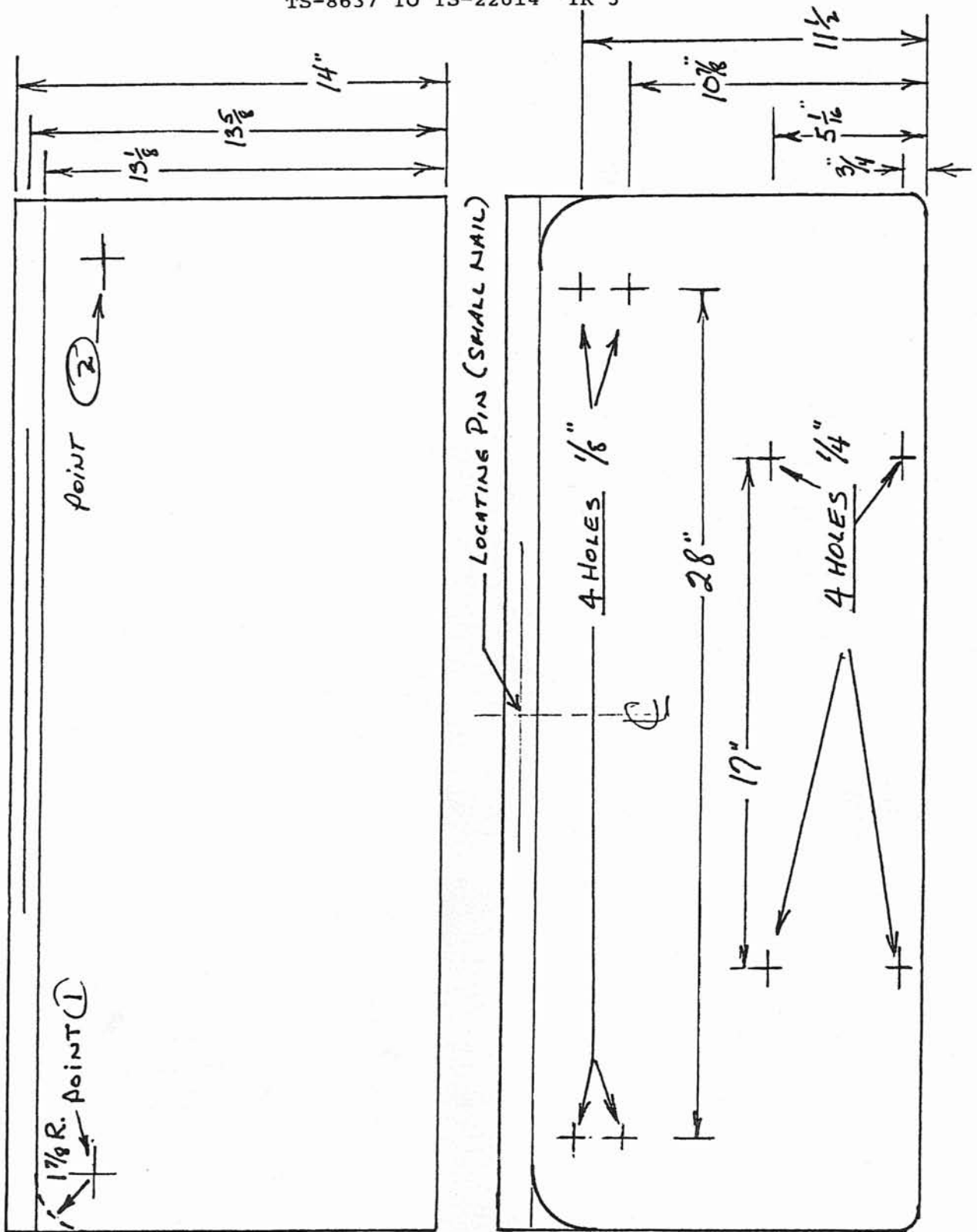
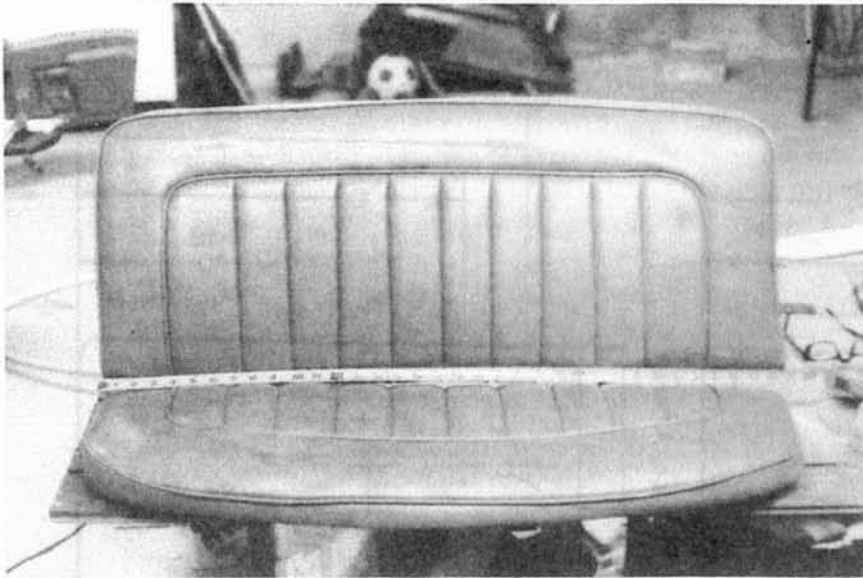
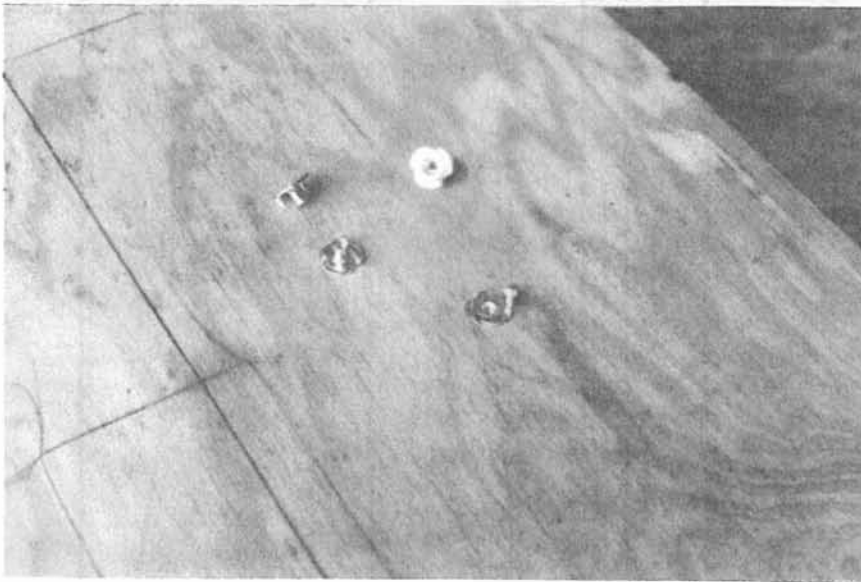


ILLUSTRATION D

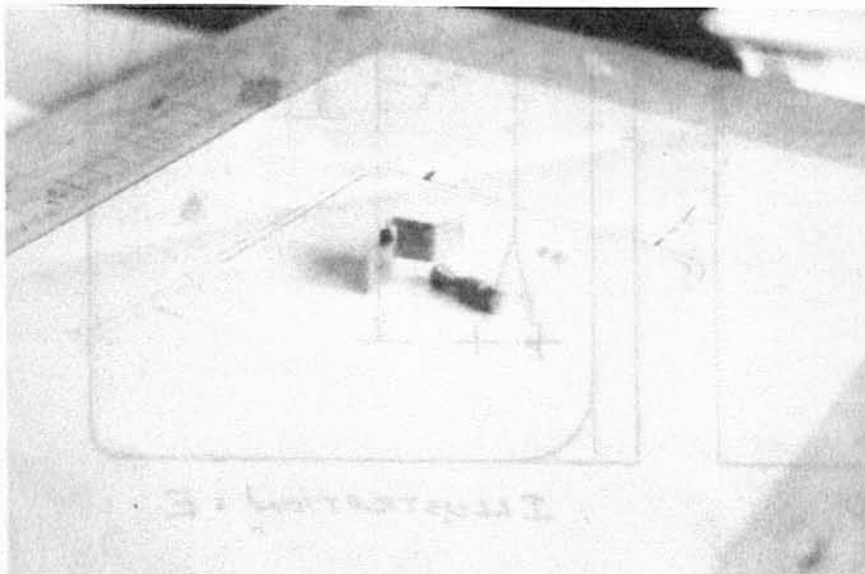
ILLUSTRATION E



*TR3 rear occasional seat with squab.*



*Tee nuts should be secured with small screw before covering.*



*Clips used to hold TR3A 60,000 + seat from sliding.*











