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MOONEY M20J

REPLACEMENT SEAT BELT INSTALLATION **3-Point Diagonal Restraint Assemblies**

This upgrade is applicable to those MOONEY M20J aircraft that are equipped with factory supplied FIXED STRAP, 3-Point Diagonal Shoulder Harnesses.

Seat belt assemblies are available in two styles:

Replacement - 3 Point Fixed Strap Assemblies - No hardware change required.

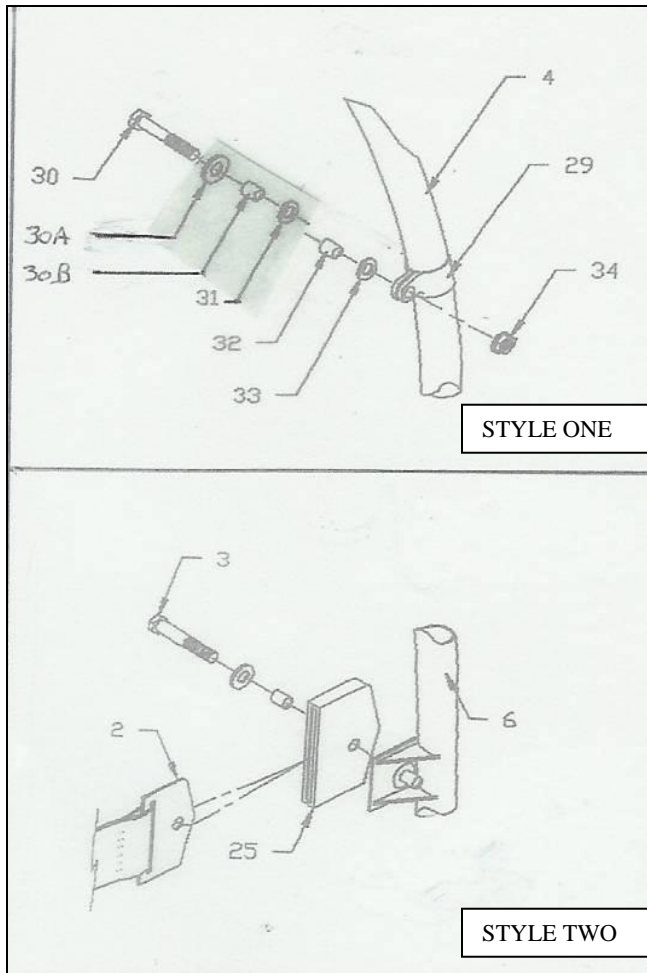
Replacement - 3 Point Assemblies, Inertial Reel Equipped - Hardware change required as shown.

These replacement restraint assemblies are constructed to meet the 3000-pound requirements of TSO-C114 and are superior to the older TSO-C22 belt assemblies. They are fabricated using upgraded hardware components and the polyester webbing will provide a longer service life than the previously used nylon material.

Installation of replacement seat belt assemblies is considered to be PREVENTIVE MAINTENANCE per CFR14, Part 43, app A, c, item 14. An appropriately rated pilot or mechanic must make an airframe logbook entry. The aircraft weight and balance remains unchanged.



Hardware Configuration, Fixed Strap / Inertial Reel



STYLE ONE			
4	AIRFRAME		E
29	CLAMP		E
30	AN4C14A	BOLT	E
30A	AN960-416L	WASHER	C
30B	NAS75-4-004	BUSHING	A
31	AN960-416L	WASHER	A
32	914020-022	BUSHING	E
33	AN960-416L	WASHER	C
34	MS21042-4	NUT	C

STYLE TWO			
2	SEAT BELT END CONNECTOR OR INERTIAL REEL FRAME		C
3	AN4-6A	BOLT	E
	AN945-4P	WASHER	E
	NAS75-4-012	BUSHING	E
25	COVER		E
FIXED - USE AS DESIRED			
INERTIAL - REMOVE AND INSTALL AN960-416 WASHERS AS NEEDED FOR SPACING			
A = ADD C = CHANGE E = EXISTING			

Installation:

1. Remove the existing lap belt / shoulder belt assembly and install the new TSO-C114 belts using the slightly modified hardware configuration, at the shoulder harness upper attachment point, shown.

This is considered a minor hardware change and will provide additional clearance between the plastic window surround and the seat belt fitting.

2. Bolt torque value = 60 inch pounds.