Applies To

Gliders originally using the following parts:

ID	Description
10B-2464	BOLT AN24-46A GROUND/ KEYHOLE
10B-2523	BOLT AN24-52 GROUND / KEYHOLE
10B-2633	BOLT AN24-63 GROUND / KEYHOLE

See Also

See also TB19980716

Introduction

The parts listed above are bolts with a round, domed head, with slot for standard, flat blade screwdriver, on which the head has been ground down in diameter slightly to match the diameter of the keyhole collar. Originally, these bolts were used in conjunction with the keyhole collar, with the collar mounted immediately under the head of the bolt. With the bolt properly ground down to match the collar, the keyhole tang or keyhole bracket will fit over the head of the bolt. If the bolt head is not ground down, the keyhole tang or keyhole bracket will not fit over the bolt head.

In all current applications, these bolts have been replaced by a normal, hex-head AN bolt of the same length, installed in the reverse direction, and secured with a ¼" clinch nut. The maximum diameter of the clinch nut, which is at the round base of the nut, is less than that of the keyhole collar, so that when the hex head bolt is installed in the reverse direction, with the keyhole collar on the nut end of the bolt, the keyhole tang or keyhole bracket will properly fit over the nut and collar.

As of the date of this bulletin, parts 10B-2464 and 10B-2523, are no longer available. Part 10B-2633 will not be replaced when the current supply is used up. The table below indicates the proper AN bolt to use to substitute for the listed parts.

Parts Required

For this item:		Substitute this item:	
ID	Description	ID	Description
10B-2464	BOLT AN24-46A GROUND/ KEYHOLE	10A-2271	BOLT AN4-27A
10B-2523	BOLT AN24-52 GROUND / KEYHOLE	10A-2321	BOLT AN4-32A
10B-2633	BOLT AN24-63 GROUND / KEYHOLE	10A-2341	BOLT AN4-34A

Tools Required

Flat blade screwdriver

5/16" Wrench

Procedures

Install appropriate replacement bolt as indicated in table above, in the opposite direction of the original installation of the AN24 type bolt, with the keyhole collar mounted directly under the clinch nut. After tightening the clinch nut, make sure that there is a minimum of 1 full thread on the un-tapered portion of the bolt extending beyond the nut.