

M4 Carbine Specification Modification

1.0 PURPOSE: This modification is to the M4 Carbine Specification, MIL-C-70599 to incorporate addition of the BACKUP IRON SIGHT (BUIS) PN 12996812, and removal of Carrying Handle Assembly, P/N 12951011 in the M4 Carbines to be provided to the US Air Force.

2.0 To MIL-C-70599:

2.1 Para 3.3.3.5 REAR SIGHT Delete in its entirety and substitute the following:

The Backup Iron Sight (BUIS), PN 12996812, shall be installed on the weapon in accordance with the attached mounting instructions. The sight shall be firmly attached with no movement relative to the upper receiver.

2.2 Para 3.4.6, Targeting and Accuracy Delete in its entirety and substitute the following:

A series of 10 rounds fired from each carbine at a range of 91.4 meters shall be within the extreme spread and targeting area (heavy outline) specified in Figure I when the front and rear sights are set as follows. The BUIS rear sight peep shall be rotated to the upright position and the elevation sight cam set to the 300 meter setting. The rear sight shall be set centrally in the slot for windage within plus or minus **twelve (12)** clicks. The top edge of the front sight post flange shall be set flush to .030 inch below the bottom surface of the front sight slot. Ammunition shall be Government standard M855, 5.56mm ball cartridges conforming to Drawing 9342868 and shall have been certified by the Government to be of a quality that will have an average horizontal and vertical standard deviation of 3.4 inches to 4.0 inches at 600 yards as measured in accordance with MIL-C-63989.

2.2.1 Para 4.7.6.3 Rejection. Add: Should a carbine be rejected for a targeting failure, the weapon shall be refired with another BUIS installed. Should that weapon fail targeting, a failure analysis of the weapon shall be conducted to include firing of a slave carrying handle in lieu of the BUIS. If the weapon passes Targeting and Accuracy with the slave carrying handle, the weapon shall be considered passed. That weapon shall be segregated from those weapons which passed with use of the BUIS. If a weapon is rejected during lot acceptance testing (endurance, interchange, etc.) that weapon shall be refired with a slave carrying handle. If it passes with a slave carrying handle, the test shall be considered passed, however the Government QAR and Procuring Contracting Officer shall be notified of the BUIS/weapon failure. All corrective actions shall be recorded.

2.3 Para 4.5.2.2 Classification of Defects:

Delete items 77 thru 81. Rear Sight

2.4 Para 4.7.7 Interchangeability Test:

Delete the following from the Interchangeability Test:

Rear Sight (9349075)
Index Spring (9349069) (3)
Rear Sight Base (9349074)
Elevation Spring (9349070)
Rear Sight Spring (12011987)
**Index Screw (9349065)
Rear Sight Windage Screw(9349076)
Elevation Index (9349066)
Rear Sight Windage Knob
(9349077)
Elevation Knob (9349067)
Rear Sight Ball (MS19060-4808)