

//UNCLASSIFIED//
071835Z Mar 16
FROM CDR JMC ROCK ISL IL//AMSJM-QAS//
740 (A)

SUBJECT: AMMUNITION INFORMATION NOTICE AIN 041-16 POTENTIAL FOR DEFORMATION OF 5.56MM FRANGIBLE AMMUNITION PROJECTILES DURING RAPID OR EXCESSIVE FIRING - APPLIED TO FEDERAL CARTRIDGE (FC) LOT NUMBERS ONLY

1. AIN 040-16 WAS TRANSMITTED ON 071512Z Mar 16.
2. THIS AIN SUPERSEDES AIN 031-15.

THIS AIN IS ISSUED IN CONJUNCTION WITH NAVY AND MARINE CORPS AIN 021-2013 OF THE SAME SUBJECT.

3. DODIC: AA40

4. REQUEST THIS AIN BE DISTRIBUTED TO ALL INSTALLATIONS WITH AN AMMUNITION STORAGE AND SURVEILLANCE MISSION, AND TO ALL USING UNITS.

5. NAVY TESTING OF 5.56MM FRANGIBLE AMMUNITION MANUFACTURED BY FEDERAL CARTRIDGE (DODIC AA40) REVEALED A DEFECT IN THE FRANGIBLE PROJECTILE'S POLYMER MATERIAL. THIS DEFECT RESULTS IN EXTRUDING (SOFTENING AND ELONGATING) OF THE PROJECTILE TIP WHEN EXPOSED TO HIGH HEAT OF A M-16/M-4 CHAMBER. FIRING MORE THAN SIXTY (60) ROUNDS AT THE MAX CYCLIC RATE MAY GENERATE A WEAPON CHAMBER SUFFICIENTLY HOT TO CAUSE PROJECTILE DEFORMATION. ROUNDS REMAINING IN THE CHAMBER LONGER THAN TEN SECONDS AFTER MEETING OR EXCEEDING THE MAXIMUM FIRE RATE SHOULD BE MANUALLY CYCLED AND REMOVED FROM THE CHAMBER. THE RESULT OF THIS DEFORMATION IS PROJECTILE BREAK-UP, SIGNIFICANT LOSS OF ACCURACY, AND/OR INCREASED POTENTIAL FOR WEAPON STOPPAGE AND DAMAGE, AND POSSIBLE SOLDIER INJURY. USERS SHOULD OBSERVE PRESCRIBED FIRING RATES, AND ENSURE AA40 CARTRIDGES ARE NOT PERMITTED TO REMAIN IN HOT CHAMBERS FOR EXTENDED PERIODS DURING LULLS IN TRAINING FIRING WHEN FIRING THE FOLLOWING FC LOTS:

FC-03M001-018, FC-04A001-019, FC-04A001-021, FC-04F001-040, FC-05C001-085, FC-05C001-086, FC-05D001-090, FC-05J001-113, FC-05J001-114, FC-05J001-115

6. JMC POC IS MR. DAN SAITO, AMSJM-QAE, DSN 793-6078, (309)782-6078, DANIEL.R.SAITO.CIV@MAIL.MIL. POC FOR DISTRIBUTION OF THIS AIN IS MS CATHY D. JOHNSON, AMSJM-QAS, DSN 793-5092, (309) 782-5092, CATHY.D.JOHNSON16.CIV@MAIL.MIL

7. THIS AIN EXPIRES 31 MARCH 17 UNLESS OTHERWISE RESCINDED OR SUPERSEDED.

//SIGNED//
JEAN-MICHEL W. SERRA
CHIEF, AMMUNITION SURVEILLANCE DIVISION