



A Textron Company

TECHNICAL BULLETIN

412-22-248

26 May 2022

MODEL AFFECTED: 412EP

SUBJECT: CABIN PORTABLE FIRE EXTINGUISHER BRACKET KIT 412-704-144-101, INTRODUCTION OF

HELICOPTERS AFFECTED: Serial numbers 37002 through 37999 registered and operating in China.

COMPLIANCE: At customer's option.

DESCRIPTION:

This Technical Bulletin introduces a portable fire extinguisher bracket kit 412-704-144-101 required to accommodate the installation of a Civil Aviation Administration of China (CAAC) CTSO authorized Halon free fire extinguisher. The brackets CASRI-3303-54 contained in the 412-704-144-101 kit replace the brackets installed at delivery of the helicopter when used in conjunction with CAAC authorized extinguishers.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

APPROVAL:

The engineering design aspects of this bulletin are FAA approved.

CONTACT INFO:

For any questions regarding this bulletin, please contact:

Bell Product Support Engineering
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

MANPOWER:

Approximately 1.0 man-hour is required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this bulletin.

MATERIAL:**Required Material:**

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
412-704-144-101	Bracket Kit	1 (1, 2)

NOTES:

1. Can be used only on helicopters registered and operating in China in conjunction with fire extinguishers authorized by the CAAC.
2. This kit contains the following parts:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
CASRI-3303-54	Bracket	2
MS27039C1-06	Screw	2
MS27039C1-09	Screw	4
MS27039C1-10	Screw	4
NAS1149C0332R	Washer	8
MS21043-3	Nut	2

Consumable Material:

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>	<u>Reference *</u>
2010-05988-00	Sealant (MIL-PRF-81733)	2.5 Oz	C-251

* C-XXX numbers refer to the consumables list in the BHT-ALL-SPM, Standard Practices Manual

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-412-MM, Maintenance Manual, Chapter 26.

BHT-412-SI-43, Service Instruction, Airline Passenger Seating Kit 412-706-028

PUBLICATIONS AFFECTED:

None affected.

ACCOMPLISHMENT INSTRUCTIONS:

-NOTE-

The removal, inspection and installation instructions published in the Maintenance Manual Chapter 26 apply to the bracket CASRI-3303-54. For helicopters equipped with the Airline Passenger Seating Kit 412-706-028, refer to the BHT-412-SI-43.

1. Prepare the helicopter for maintenance and remove the currently installed cabin fire extinguishers and brackets (BHT-412-MM, Chapter 26) and if applicable, (BHT-412-SI-43).
2. Refer to Figure 1 for the floor and the door post mounted brackets. Locate the two top screw holes in the new CASRI-3303-54 bracket. For proper holes spacing, use the previously removed bracket as a template to transfer the screw holes (0.220 inch / 5.6 mm dia.) in the new bracket.
3. Refer to Figure 2 for the bracket used with the Airline Passenger Seating Kit 412-706-028. Locate the screw holes and drill two holes (0.220 inch / 5.6 mm dia.) in the new bracket.
4. Install the CASRI-3303-54 bracket to the door post with four screws MS27039C1-09 and washers NAS1149C0332R. Install screws with sealant (C-251).

5. Install the CASRI-3303-54 bracket to the floor with four screws MS27039C1-10 and washers NAS1149C0332R. Install screws with sealant (C-251).
6. For the Airline Seat Kit bracket CASRI-3303-54 installation, use two screws MS27039C1-06, two nuts MS21043-3 and four washers NAS1149C0332R. Install screws with sealant (C-251).

-NOTE-

The selected fire extinguisher must meet all in-country requirements; shall not exceed 4.0 pounds (1.81 kg) maximum gross weight; shall not have a diameter greater than 3.0 inches (76.2 mm) and shall have a total height between 10.75 and 11.25 inches (273.05 and 285.75 mm).

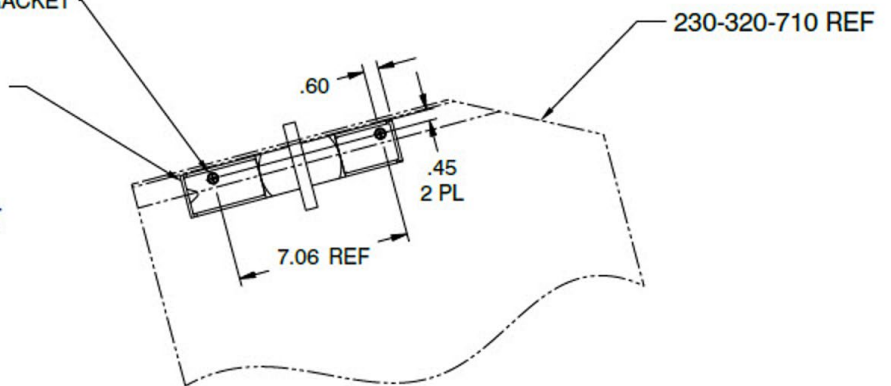
7. Install CAAC authorized fire extinguishers.
8. Make an entry in the helicopter logbook and historical service records indicating compliance with this Technical Bulletin.



Figure 1. Floor and door post mounted bracket attaching screw hole location.

2 X Ø .220 HOLES ON MOUNTING BRACKET
LOCATE FROM 230-320-710 REF

(REMOVE)
40000 FIRE EXTINGUISHER
50-091-3 MOUNTING BRACKET
DISCARD EXISTING HARDWARE
(INSTALL)
CASRI-3303-54 MOUNTING BRACKET
MS27039C1-06 SCREW 2 REQD
NAS1149C0332R WASHER 4 REQD
MS21043-3 NUT 2 REQD



(Fire extinguisher shown as reference only)

Figure 2. Airline seat mounted bracket attaching holes position.