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CUSTOM KIT

No. CK-AG-52

Initial Release: 09/28/2020

Installation of C352TS Fire Extinguisher

AIRPLANES AFFECTED:

<u>MODEL</u>	<u>SERIAL NUMBERS</u>
S2R-T34	ALL
S2R-T660	ALL
S2R-H80	ALL



Levan Tabidze

Vice President of Engineering

LOG OF REVISIONS

NOTE: Reformatting and correction of typographical errors is not considered revision. True revisions are indicated by a dark vertical line at the right margin of the lines revised.

Rev.	Page	Description of Revision	By:
IR	All	New Document Initial Release.	T. Vicks 09/28/2020

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1. PURPOSE/REASON FOR PUBLICATION:

The fire extinguisher (P/N RTA-A1200) that has been installed on all Thrush S2R models since the beginning of production was recently discontinued for environmental reasons. The manufacturer of the fire extinguisher replaced the RTA-A1200 model with P/N C352TS. The new replacement model is not directly interchangeable with the previous model. This custom kit provides the list of parts and instructions needed for installation of the C352TS fire extinguisher.

2. SCOPE/COMPLIANCE:

This Custom Kit is to be completed at owner's discretion.

3. BY WHOM WORK WILL BE ACCOMPLISHED:

The work is to be accomplished by a FAA Certified A&P mechanic or foreign equivalent.

4. APPROVAL:

This Custom Kit is approved by the Vice President of Engineering at Thrush Aircraft, LLC.

5. MAN HOURS:

4 hours will be required.

6. SPECIAL TOOLS:

No special tools required

7. PARTS LIST:

FOR SINGLE COCKPIT (FIREGATE CONFIGURATION) - 262000001-005			
QUANTITY	PART NUMBER	DESCRIPTION	VENDOR
2	AN3-20A	BOLT	
2	90046-11	DUTCHMAN CLAMP	
2	MS21042-3	NUT, SELF-LOCKING	
1	262020001-003	FIRE EXT BRKT	
6	AN960-10	WASHER	
2	NASM27039-4-09	SCREW	
2	AN960-416	WASHER	
2	MS21044N4	NUT	
1	AN3-3A	BOLT	
1	C352TS	FIRE EXTINGUISHER	HALON

FOR SINGLE COCKPIT (AG STD CONFIGURATION) - 262000001-003			
QUANTITY	PART NUMBER	DESCRIPTION	VENDOR
1	262020001-003	FIRE EXT BRKT	
2	AN960-10	WASHER	
1	MS21044N06	NUT	
4	NASM27039-4-09	SCREW	
4	AN960-416	WASHER	
4	MS21044N4	NUT	
1	AN3-5A	BOLT	
1	262020006-001	SC FIRE EXTINGUISHER MOUNTING BRKT	
1	C352TS	FIRE EXTINGUISHER	HALON

FOR DUAL COCKPIT - 262000001-001			
QUANTITY	PART NUMBER	DESCRIPTION	VENDOR
1	262020001-003	FIRE EXT BRKT	
6	AN960-10	WASHER	
1	MS21044N06	NUT	
1	MS21919WDG20	CLAMP	
4	NASM27039-4-09	SCREW	
4	AN960-416	WASHER	
4	MS21044N4	NUT	
1	AN3-12A	BOLT	
1	262020004-001	FIRE EXTINGUISHER MOUNTING BRKT	
1	9036-C-023	BUSHING	
4	AN3-4A	BOLT	
1	C352TS	FIRE EXTINGUISHER	HALON

8. MODIFICATION

1. Modification instructions for Single Cockpit with Firegate Configuration (26200001-005)

1.1. Remove and dispose of fire extinguisher RT-A1200.

CAUTION: Dispose of the fire extinguisher in accordance with national laws and regulations.

1.2. Remove the RT-A1200 extinguisher bracket.

Note: Plug any holes with the hardware from the removed bracket.

1.3. Remove the skins from the side of the fuselage below the cockpit for ease of access.



Figure 1-1: View of locations for skin removal

1.4. Drill the top hole of the bracket (262020001-003) to match the lowest rivet on the bulkhead stiffener.

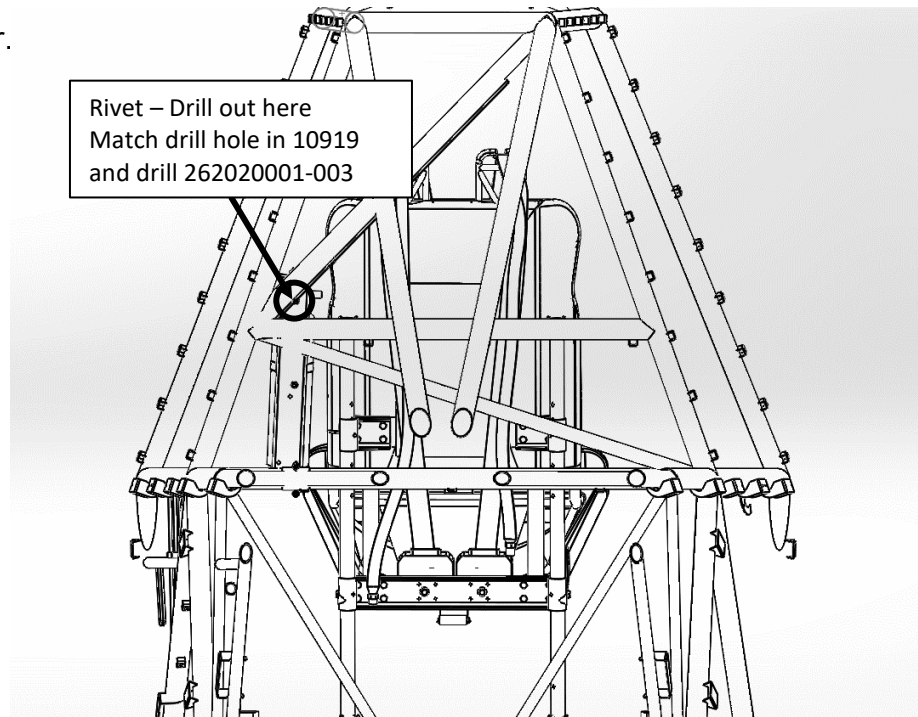


Figure 1-2: View of the rivet location to be drilled per item 1.4

1.5. Pre-install the dutchman clamp on the lower tube of the fuselage.

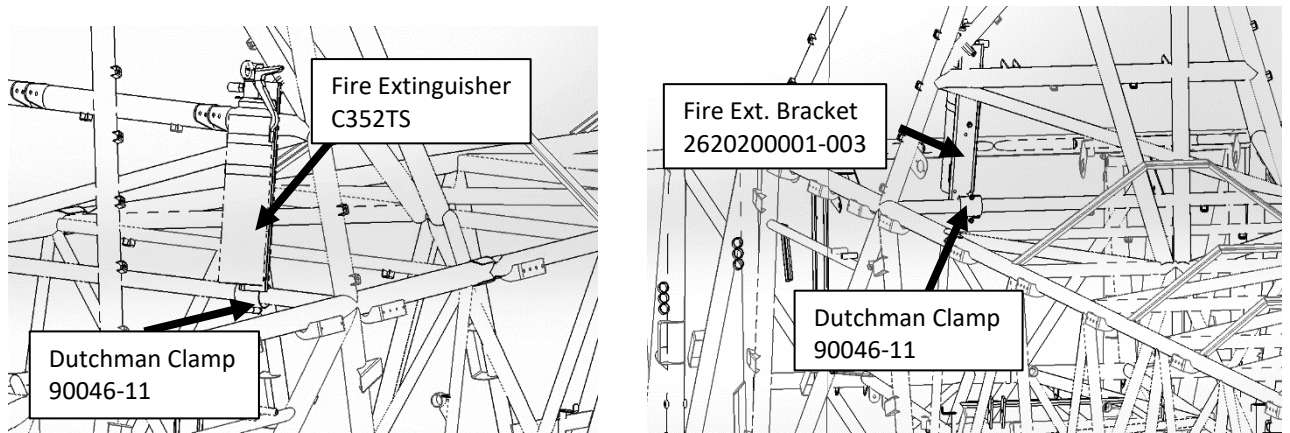


Figure 1-3: View of dutchman clamp on bottom tube

1.6. Pivot off that attachment point until the dutchman clamp (90046-11) on the bottom tube lines up with the holes in the bracket behind the wall.

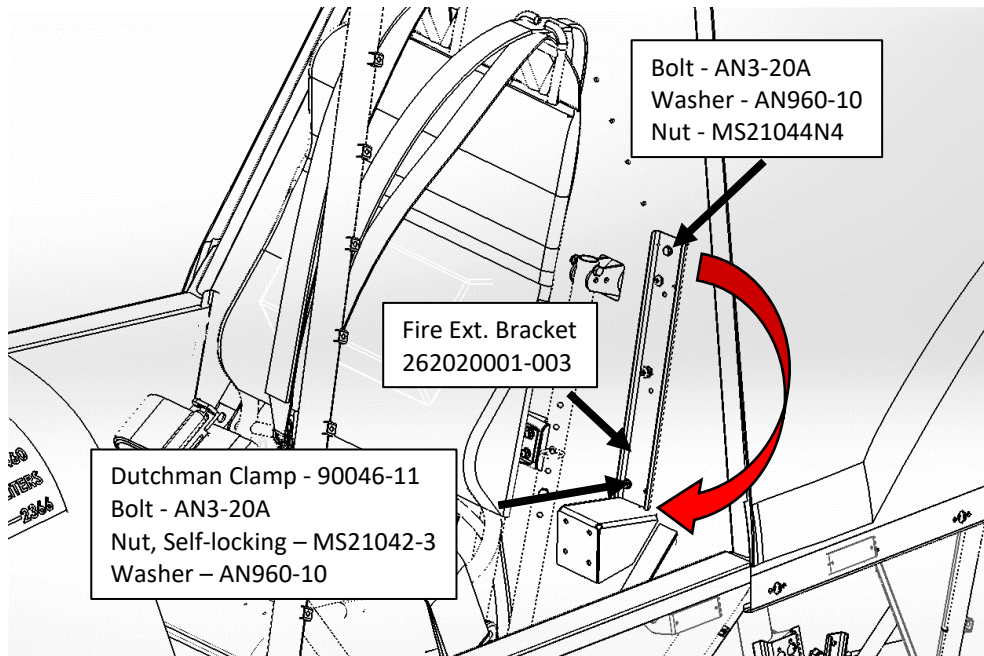


Figure 1-4: Rotate bracket to secure it to wall

1.7. Remove all parts, deburr all holes, and corrosion-treat all drilled holes with a corrosion conversion solution.

1.8. After the paint/primer cures, assemble all parts.

2. Modification instructions for Single Cockpit Standard Ag Configuration (26200001-003)

2.1. Remove and dispose of fire extinguisher RT-A1200.

CAUTION: Dispose of the fire extinguisher in accordance with national laws and regulations.

2.2. Remove the RT-A1200 extinguisher bracket.

Note: Plug any holes with the hardware from the removed bracket.

2.3. Remove the skins from the side of the fuselage below the cockpit for ease of access.

2.4. Drill the top hole of the bracket (262020001-003) to match the lowest rivet on the bulkhead stiffener.

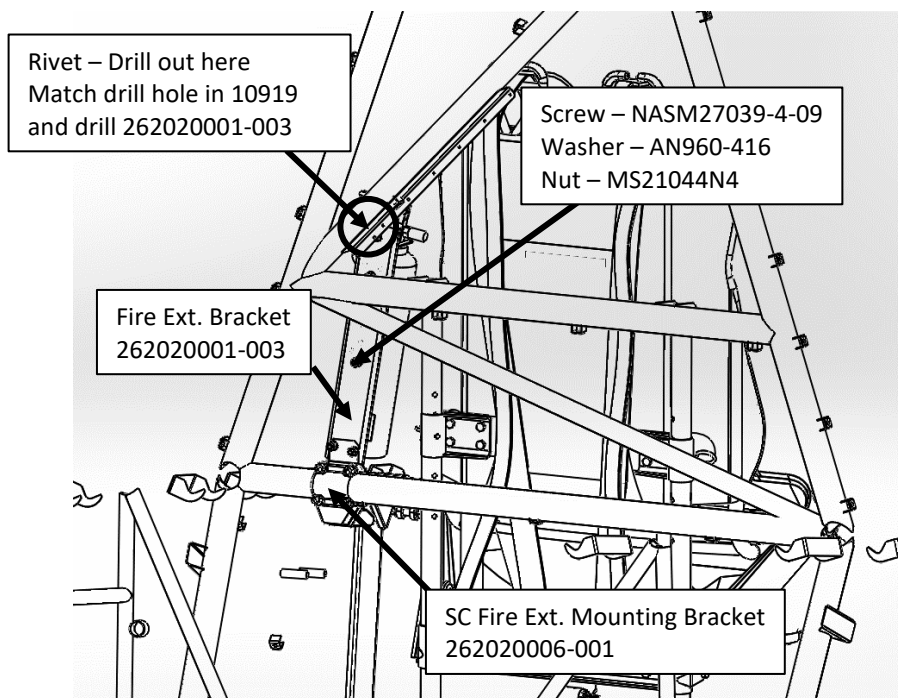
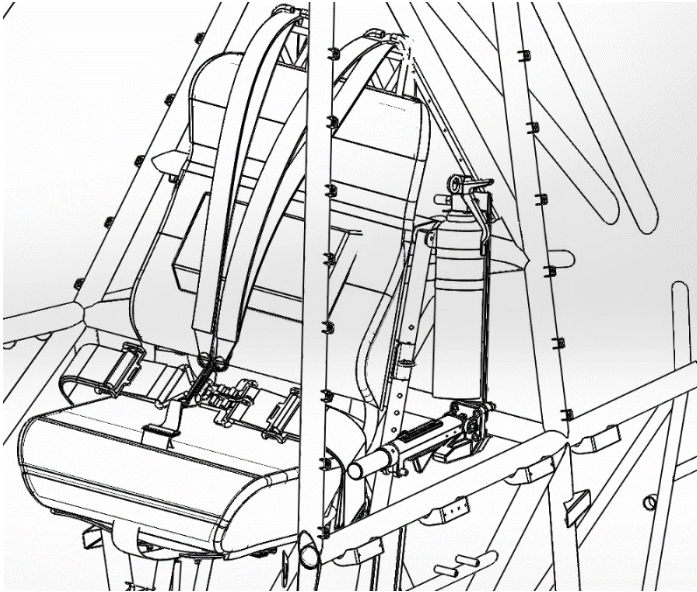


Figure 2-1: View of rivet location to be drilled per item 2.4

2.5. Install 26202006-001 on 21611 per Figure 2-2.



*Figure 2-2: View of fire extinguisher installed – Single
Cockpit (Std Ag Config.)*

2.6. Remove all parts, deburr all holes, and corrosion-treat all drilled holes with a corrosion conversion solution.

2.7. After the paint/primer cures, assemble all parts.

3. Modification instructions for Dual Cockpit Configuration (26200001-001)

3.1. Remove and dispose of fire extinguisher RT-A1200.

CAUTION: Dispose of the fire extinguisher in accordance with national laws and regulations.

3.2. Remove the RT-A1200 extinguisher bracket.

Note: Plug any holes with the hardware from the removed bracket.

3.3. Remove the skins from the side of the fuselage below the cockpit for ease of access.

3.4. Install 26202006-001 on 21611 per Figure 3-1.

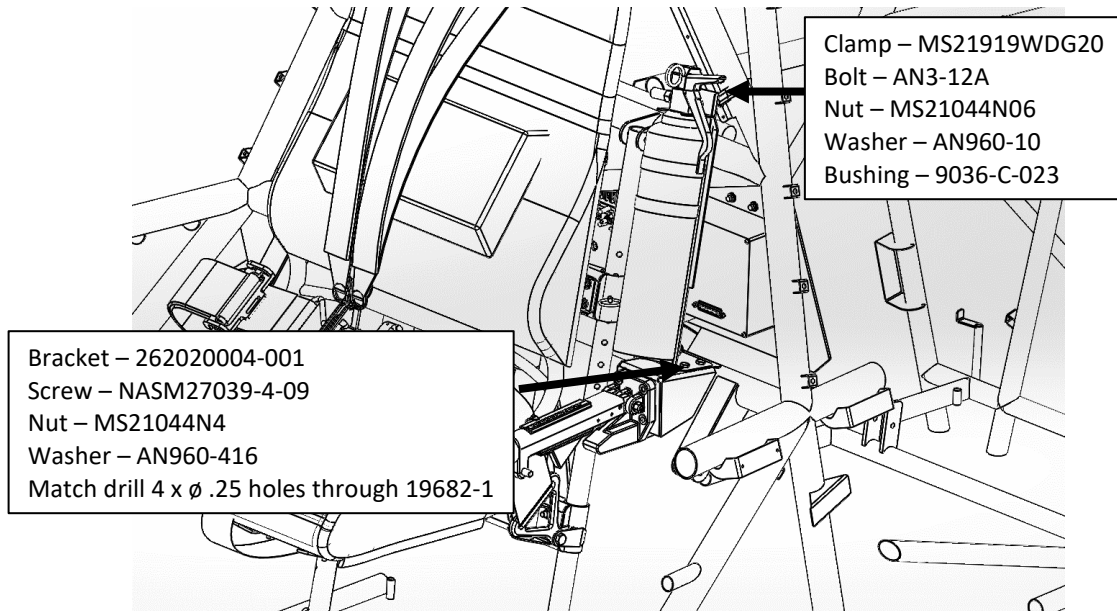


Figure 3-1: View of installed fire extinguisher – Dual Cockpit

3.5. Remove all parts, deburr all holes, and corrosion-treat all drilled holes with a corrosion conversion solution.

3.6. After the paint/primer cures, assemble all parts.

Custom Kit CK-AG-51 Rev. IR Compliance Report

<u>Aircraft S/N:</u>	<u>Aircraft Owner:</u>
<u>Aircraft Registration #:</u>	<u>Address of Owner:</u>
<u>Airframe total time:</u>	<u>City & State:</u>
<u>Engine total time:</u>	<u>Physical location:</u>
<u>Complied with by:</u>	<u>Date of Compliance:</u>
<u>Signature:</u>	<u>Certificate #:</u>

PLEASE RETURN THIS REPORT ONLY AFTER MODIFICATION IS MADE

This response card may be mailed, faxed to (229) 439-9760, or emailed to ed.rusk@thrushaircraft.com.

Fold, Tape & Mail (Do Not Staple)

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