

JIC: 49067 / 0

Title: INSPECTION OF THE MAGNETIC FUEL LEVEL INDICATOR.

Area:

ATA:

Special Codes:

A/C: BIS

Job Instruction Card for - / -

ITEM ONE - INSPECTION OF THE MAGNETIC FUEL LEVEL INDICATOR.

Panels:	540AB (LEFT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 540BB (LEFT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 540BZ (LEFT WING - PANEL 2 - INTERNAL), 540DB (LEFT WING - PANEL 4 - BOTTOM (LOWER) SURFACE), 540GB (LEFT WING - PANEL 7 - BOTTOM (LOWER) SURFACE), 540KB (LEFT WING - PANEL 10 - BOTTOM (LOWER) SURFACE), 540NB (LEFT WING - PANEL 13 - BOTTOM (LOWER) SURFACE), 540QB (LEFT WING - PANEL 15 - BOTTOM (LOWER) SURFACE), 540RB (LEFT WING - PANEL 16 - BOTTOM (LOWER) SURFACE), 640AB (RIGHT WING - PANEL 1 - BOTTOM (LOWER) SURFACE), 640BB (RIGHT WING - PANEL 2 - BOTTOM (LOWER) SURFACE), 640BZ (RIGHT WING - PANEL 2 - INTERNAL), 640DB (RIGHT WING - PANEL 4 - BOTTOM (LOWER) SURFACE), 640GB (RIGHT WING - PANEL 7 - BOTTOM (LOWER) SURFACE), 640KB (RIGHT WING - PANEL 10 - BOTTOM (LOWER) SURFACE), 640NB (RIGHT WING - PANEL 13 - BOTTOM (LOWER) SURFACE), 640QB (RIGHT WING - PANEL 15 - BOTTOM (LOWER) SURFACE), 640RB (RIGHT WING - PANEL 16 - BOTTOM (LOWER) SURFACE)		
Zones:	540 (FUEL TANK SIDE: LH), 640 (FUEL TANK SIDE: RH)		
References:	EASA AD: 2012-0119 Rev.00 SB: 28-1209 Rev.00		
Material:			
	03FAB1	MINERAL OIL BASE GREASE (VV-P-236)	1.0 req.
	03GBC1	GREASE - GENERAL PURPOSE	1.0 req.
	05LCA1	BONDING AND ADHESIVE COMPOUNDS	1.0 req.
	06ABB1	POLYSULFIDE SEALANT	1.0 req.
	06LCG9	NON HARDENING JOINTING PUTTY	1.0 req.
	08BAA9	NON AQUEOUS CLEANER	1.0 req.
	14SBA1	TEXTILE-LINT FREE COTTON	2.0 req.
	A5735007620200	GASKET-KNITTED	2.0 req.
	A5735007620000	GASKET-KNITTED	2.0 req.
	D5725125720000	RING-SEALING	4.0 req.
	D5725143320200	GASKET-KNITTED	4.0 req.
	D5725125720200	RING-SEALING	4.0 req.
	06HAA1	COATING SEALANT	0.5 req.
	D5725131821000	RING-SEALING	2.0 req.
	MS24665-153	PIN-COTTER	2.0 req.
	14QFB1	WIRE-LOCKING DIA:0.8MM CRES NI ALLOY	1.0 req.
	06CMD9	SILICONE ADHESIVE SEALANT	0.5 req.
	MS24665-304	PIN-COTTER	6.0 req.
	06AEB2	POLYSULFIDE SEALANT	1.0 req.
	MS24665-155	PIN-COTTER	2.0 req.
Tools:	98D57004013000	HOOK-COVER (RIB 2-SURGE DOORS)	2.0 req.
	98A53003500000	WRENCH-FASTENER REMOVAL TOOL	1.0 req.
	98A57304002000	EXTRACTION, MANHOLE BOLT	1.0 req.
	98D27803500001	TOOL-ZERO LOCKING, FLAP SLAT CTL LEV	1.0 req.
	97A28002117002	PURGING TOOL	1.0 req.

STEP 01.

HEADER. APPROVAL DATA.

Prepared by: 10657 22 FEB 2018
Approved by: 11700 22 FEB 2018

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STEP 02.

GENERAL INFORMATION.

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⚠ WARNING

MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

⚠ WARNING

THIS PROCEDURE USES A FUEL SYSTEM ITEM THAT IS IN A CATEGORY KNOWN AS A CRITICAL DESIGN CONFIGURATION CONTROL LIMITATION (CDCCL). CDCCL IDENTIFIES AN ITEM THAT CAN BE THE SOURCE OF A POSSIBLE FUEL TANK IGNITION. YOU MUST KEEP ALL CDCCL ITEMS IN THE APPROVED CONFIGURATION. DAMAGE, WEAR OR CHANGES TO A CDCCL ITEM CAN CAUSE A POSSIBLE FUEL TANK EXPLOSION.

⚠ CAUTION

ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC; AS NECESSARY ON WIRING AND COMPONENTS
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.
IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00.

STEP 03.

STANDARD PRACTICES.

MECH	INSP

1. Electrical Bonding of Components With Conductive Bolts and Screws (Refer to AMM Task 20-28-00-912-002).
2. Tightening Torques for Standard Threaded Fasteners (Refer to AMM Task 20-21-11-911-001).

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STEP 04.

Mech. Skill: B1	MECH	INSP
<p>JOB SET-UP.</p> <p>1. Do the Job Set-up procedure for the Removal of the Access Panels FIN 540AB (640AB), FIN 540BB (640BB), FIN 540DB (640DB) and FIN 540GB (640GB) (Refer to AMM Task 57-27-11-000-001).</p> <p>2. Do the Job Set-up procedure for the Removal of the Access Panels FIN 540RB (640RB) (Refer to AMM Task 57-27-11-000-002).</p>		

STEP 05.

Mech. Skill: B1	MECH	INSP
<p>REMOVE THE ACCESS PANELS (MANHOLE COVERS).</p> <p>1. Remove these access panels: - FIN 540AB (640AB), FIN 540BB (640BB), FIN 540DB (640DB) and FIN 540GB (640GB) (Refer to AMM Task 57-27-11-000-001) and these access panels: - FIN 540RB (640RB) (Refer to AMM Task 57-27-11-000-002).</p> <div style="border: 1px solid blue; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"> NOTE</p> <p style="border: 1px solid blue; padding: 5px;">It will be necessary to remove the FWD and AFT fixed fairings for the Flap Track 3 to remove access panel FIN 540GB (640GB).</p> </div> <p>2. When it is safe to enter the inner fuel tanks through access panels FIN 540AB (640AB), open the AFT fuel-surge access panel FIN 540BZ (640BZ) on Rib 2 and keep it open with the HOOK-COVER (RIB 2 SURGE DOORS) (98D57004013000).</p>		

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STEP 06.

Mech. Skill: B1 Dble. Rel. Skill: B1

MECH

INSP

INSPECT THE WING TANK MFLI BETWEEN RIB 1 AND RIB 2 - FIN 56QM.

1. Inspect MFLI between Rib 1 and Rib 2 at FIN 56QM to see what type is installed.

Refer to FIGURE 01 and to FIGURE 02.

2. Check if the MFLI top-stop is missing.

If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-35 with the top stop retained by a "trapped wire".

Perform Steps 16 through 20.

3. Please provide currently installed MFLI P/N: _____

4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-35 with the top stop retained by a "trapped wire".

NOTE

Metallic MFLI P/N 3508802-35 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 56QM.

Affected MFLI Part Numbers.

3508802-24	3508802-28	3508802-75
3508802-25	3508802-34	3508802-76
3508802-26	3508802-39	3508802-91
3508802-27	3508802-74	

Was top-stop found missing?

YES _____ NO _____

Was MFLI replaced?

YES _____ NO _____

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STEP 07.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP												
<p>INSPECT THE WING TANK MFLI BETWEEN RIB 6 AND RIB 7 - FIN 58QM.</p> <p>1. Inspect MFLI between Rib 6 and Rib 7 at FIN 58QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.</p> <p>2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-36 with the top stop retained by a "trapped wire". Perform Steps 16 through 20.</p> <p>3. Please provide currently installed MFLI P/N: _____</p> <p>4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-36 with the top stop retained by a "trapped wire".</p> <div style="border: 1px solid blue; background-color: #e0f0ff; padding: 10px; text-align: center;"> <p> NOTE</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p>Metallic MFLI P/N 3508802-36 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 58QM.</p> </div> </div>														
<p>Affected MFLI Part Numbers.</p> <table border="1" data-bbox="240 1205 1203 1355"> <tbody> <tr> <td>3508802-24</td> <td>3508802-28</td> <td>3508802-75</td> </tr> <tr> <td>3508802-25</td> <td>3508802-34</td> <td>3508802-76</td> </tr> <tr> <td>3508802-26</td> <td>3508802-39</td> <td>3508802-91</td> </tr> <tr> <td>3508802-27</td> <td>3508802-74</td> <td></td> </tr> </tbody> </table> <p>Was top-stop found missing?</p> <p>YES _____ NO _____</p> <p>Was MFLI replaced?</p> <p>YES _____ NO _____</p>	3508802-24	3508802-28	3508802-75	3508802-25	3508802-34	3508802-76	3508802-26	3508802-39	3508802-91	3508802-27	3508802-74			
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3508802-25	3508802-34	3508802-76												
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STEP 08.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP														
<p>INSPECT THE WING TANK MFLI BETWEEN RIB 9 AND RIB 10 - FIN 60QM.</p> <p>1. Inspect MFLI between Rib 9 and Rib 10 at FIN 60QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.</p> <p>2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-37 with the top stop retained by a "trapped wire". Perform Steps 16 through 20.</p> <p>3. Please provide currently installed MFLI P/N: _____</p> <p>4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-37 with the top stop retained by a "trapped wire".</p> <div style="border: 1px solid blue; background-color: #e0f0ff; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"> NOTE</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p>Metallic MFLI P/N 3508802-37 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 60QM.</p> </div> </div> <p>Affected MFLI Part Numbers.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 33%;">3508802-24</td> <td style="width: 33%;">3508802-28</td> <td style="width: 33%;">3508802-75</td> </tr> <tr> <td>3508802-25</td> <td>3508802-34</td> <td>3508802-76</td> </tr> <tr> <td>3508802-26</td> <td>3508802-39</td> <td>3508802-91</td> </tr> <tr> <td>3508802-27</td> <td>3508802-74</td> <td></td> </tr> </tbody> </table> <p>Was top-stop found missing? YES _____ NO _____</p> <p>Was MFLI replaced? YES _____ NO _____</p>			3508802-24	3508802-28	3508802-75	3508802-25	3508802-34	3508802-76	3508802-26	3508802-39	3508802-91	3508802-27	3508802-74			
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STEP 09.

Mech. Skill: B1 Dble. Rel. Skill: B1

MECH

INSP

INSPECT THE WING TANK MFLI BETWEEN RIB 12 AND RIB 13 - FIN 62QM.

1. Inspect MFLI between Rib 12 and Rib 13 at FIN 62QM to see what type is installed.

Refer to FIGURE 01 and to FIGURE 02.

2. Check if the MFLI top-stop is missing.

If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-38 with the top stop retained by a "trapped wire".

Perform Steps 16 through 20.

3. Please provide currently installed MFLI P/N: _____

4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-38 with the top stop retained by a "trapped wire".

NOTE

Metallic MFLI P/N 3508802-38 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 62QM.

Affected MFLI Part Numbers.

3508802-24	3508802-28	3508802-75
3508802-25	3508802-34	3508802-76
3508802-26	3508802-39	3508802-91
3508802-27	3508802-74	

Was top-stop found missing?

YES _____ NO _____

Was MFLI replaced?

YES _____ NO _____

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STEP 10.

Mech. Skill: B1 Dble. Rel. Skill: B1

MECH

INSP

INSPECT THE WING TANK MFLI BETWEEN RIB 21 AND RIB 22 - FIN 64QM.

1. Inspect MFLI between Rib 21 and Rib 22 at FIN 64QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.

NOTE

MFLI FIN 64QM is attached to the access panel FIN 540RB.

2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000. Perform Steps 16 through 20.
3. Please provide currently installed MFLI P/N: _____
4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000.

Affected MFLI Part Numbers.

3508802-24	3508802-28	3508802-75
3508802-25	3508802-34	3508802-76
3508802-26	3508802-39	3508802-91
3508802-27	3508802-74	

Was top-stop found missing?

YES _____ NO _____

Was MFLI replaced?

YES _____ NO _____

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STEP 11.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP														
<p>INSPECT THE WING TANK MFLI BETWEEN RIB 1 AND RIB 2 - FIN 57QM.</p> <p>1. Inspect MFLI between Rib 1 and Rib 2 at FIN 57QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.</p> <p>2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-35 with the top stop retained by a "trapped wire". Perform Steps 16 through 20.</p> <p>3. Please provide currently installed MFLI P/N: _____</p> <p>4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-35 with the top stop retained by a "trapped wire".</p> <div style="border: 1px solid blue; background-color: #e0f0ff; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"> NOTE</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p>Metallic MFLI P/N 3508802-35 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 57QM.</p> </div> </div> <p>Affected MFLI Part Numbers.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 33%;">3508802-24</td> <td style="width: 33%;">3508802-28</td> <td style="width: 33%;">3508802-75</td> </tr> <tr> <td>3508802-25</td> <td>3508802-34</td> <td>3508802-76</td> </tr> <tr> <td>3508802-26</td> <td>3508802-39</td> <td>3508802-91</td> </tr> <tr> <td>3508802-27</td> <td>3508802-74</td> <td></td> </tr> </tbody> </table> <p>Was top-stop found missing? YES _____ NO _____</p> <p>Was MFLI replaced? YES _____ NO _____</p>			3508802-24	3508802-28	3508802-75	3508802-25	3508802-34	3508802-76	3508802-26	3508802-39	3508802-91	3508802-27	3508802-74			
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STEP 12.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP														
<p>INSPECT THE WING TANK MFLI BETWEEN RIB 6 AND RIB 7 - FIN 59QM.</p> <p>1. Inspect MFLI between Rib 6 and Rib 7 at FIN 59QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.</p> <p>2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-36 with the top stop retained by a "trapped wire". Perform Steps 16 through 20.</p> <p>3. Please provide currently installed MFLI P/N: _____</p> <p>4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-36 with the top stop retained by a "trapped wire".</p> <div style="border: 1px solid blue; background-color: #e0f0ff; padding: 10px; text-align: center;"> <p> NOTE</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p>Metallic MFLI P/N 3508802-36 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 59QM.</p> </div> </div> <p>Affected MFLI Part Numbers.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>3508802-24</td> <td>3508802-28</td> <td>3508802-75</td> </tr> <tr> <td>3508802-25</td> <td>3508802-34</td> <td>3508802-76</td> </tr> <tr> <td>3508802-26</td> <td>3508802-39</td> <td>3508802-91</td> </tr> <tr> <td>3508802-27</td> <td>3508802-74</td> <td></td> </tr> </tbody> </table> <p>Was top-stop found missing? YES _____ NO _____</p> <p>Was MFLI replaced? YES _____ NO _____</p>			3508802-24	3508802-28	3508802-75	3508802-25	3508802-34	3508802-76	3508802-26	3508802-39	3508802-91	3508802-27	3508802-74			
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STEP 13.

Mech. Skill: B1 Dble. Rel. Skill: B1

MECH

INSP

INSPECT THE WING TANK MFLI BETWEEN RIB 9 AND RIB 10 - FIN 61QM.

1. Inspect MFLI between Rib 9 and Rib 10 at FIN 61QM to see what type is installed.

Refer to FIGURE 01 and to FIGURE 02.

2. Check if the MFLI top-stop is missing.

If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-37 with the top stop retained by a "trapped wire".

Perform Steps 16 through 20.

3. Please provide currently installed MFLI P/N: _____

4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-37 with the top stop retained by a "trapped wire".

NOTE

Metallic MFLI P/N 3508802-37 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 61QM.

Affected MFLI Part Numbers.

3508802-24	3508802-28	3508802-75
3508802-25	3508802-34	3508802-76
3508802-26	3508802-39	3508802-91
3508802-27	3508802-74	

Was top-stop found missing?

YES _____ NO _____

Was MFLI replaced?

YES _____ NO _____

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STEP 14.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP														
<p>INSPECT THE WING TANK MFLI BETWEEN RIB 12 AND RIB 13 - FIN 63QM.</p> <p>1. Inspect MFLI between Rib 12 and Rib 13 at FIN 63QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.</p> <p>2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-38 with the top stop retained by a "trapped wire". Perform Steps 16 through 20.</p> <p>3. Please provide currently installed MFLI P/N: _____</p> <p>4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000 or metallic MFLI P/N 3508802-38 with the top stop retained by a "trapped wire".</p> <div style="border: 1px solid blue; padding: 10px; text-align: center;"> <p> NOTE</p> <p>Metallic MFLI P/N 3508802-38 with the top stop retained by a "trapped wire" is acceptable and should not be replaced at FIN 63QM.</p> </div> <p>Affected MFLI Part Numbers.</p> <table border="1"> <tbody> <tr> <td>3508802-24</td> <td>3508802-28</td> <td>3508802-75</td> </tr> <tr> <td>3508802-25</td> <td>3508802-34</td> <td>3508802-76</td> </tr> <tr> <td>3508802-26</td> <td>3508802-39</td> <td>3508802-91</td> </tr> <tr> <td>3508802-27</td> <td>3508802-74</td> <td></td> </tr> </tbody> </table> <p>Was top-stop found missing? YES _____ NO _____</p> <p>Was MFLI replaced? YES _____ NO _____</p>			3508802-24	3508802-28	3508802-75	3508802-25	3508802-34	3508802-76	3508802-26	3508802-39	3508802-91	3508802-27	3508802-74			
3508802-24	3508802-28	3508802-75														
3508802-25	3508802-34	3508802-76														
3508802-26	3508802-39	3508802-91														
3508802-27	3508802-74															

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Title: INSPECTION OF THE MAGNETIC FUEL LEVEL INDICATOR.

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Special Codes:

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STEP 15.

Mech. Skill: B1 Dble. Rel. Skill: B1

MECH

INSP

INSPECT THE WING TANK MFLI BETWEEN RIB 21 AND RIB 22 - FIN 65QM.

1. Inspect MFLI between Rib 21 and Rib 22 at FIN 65QM to see what type is installed. Refer to FIGURE 01 and to FIGURE 02.

NOTE

MFLI FIN 65QM is attached to the access panel FIN 640RB.

2. Check if the MFLI top-stop is missing. If the top-stop of the MFLI is missing, inspect the Fuel Tank for any damage caused by missing MFLI top-stop and replace MFLI with composite MFLI of P/N series FRH05000. Perform Steps 16 through 20.
3. Please provide currently installed MFLI P/N: _____
4. Refer to the Table below. If you find MFLI with Part Number listed in the Table, MFLI must be replaced with composite MFLI of P/N series FRH05000.

Affected MFLI Part Numbers.

3508802-24	3508802-28	3508802-75
3508802-25	3508802-34	3508802-76
3508802-26	3508802-39	3508802-91
3508802-27	3508802-74	

Was top-stop found missing?

YES _____ NO _____

Was MFLI replaced?

YES _____ NO _____

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STEP 16.

MECH

INSP

REPAIR. GENERAL INFORMATION.

**THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEPS 06 THROUGH 15.
MARK THIS STEP AS N/A (NOT APPLICABLE) OR N/R (NOT REQUIRED)
IF YOU DO NOT PERFORM THIS STEP.**

 **WARNING**

MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

 **WARNING**

THIS PROCEDURE USES A FUEL SYSTEM ITEM THAT IS IN A CATEGORY KNOWN AS A CRITICAL DESIGN CONFIGURATION CONTROL LIMITATION (CDCCL). CDCCL IDENTIFIES AN ITEM THAT CAN BE THE SOURCE OF A POSSIBLE FUEL TANK IGNITION. YOU MUST KEEP ALL CDCCL ITEMS IN THE APPROVED CONFIGURATION. DAMAGE, WEAR OR CHANGES TO A CDCCL ITEM CAN CAUSE A POSSIBLE FUEL TANK EXPLOSION.

 **CAUTION**

ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC; AS NECESSARY ON WIRING AND COMPONENTS
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION. THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION. IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00.

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STEP 17.

REPAIR. STANDARD PRACTICES.

**THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEPS 06 THROUGH 15.
MARK THIS STEP AS N/A (NOT APPLICABLE) OR N/R (NOT REQUIRED)
IF YOU DO NOT PERFORM THIS STEP.**

1. Damage Classification (Refer to SRM 51-11-00).
2. Damage/Defect Reporting (Refer to SRM 51-11-13).
3. Repair of Fuel Tank Sealing (Refer to SRM 51-76-12).
4. Cleaning of Fuel Tanks (Refer to AMM Task 28-11-00-100-001).

MECH

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STEP 18.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
<p>REPAIR. REPLACE THE MFLI.</p> <p style="text-align: center;">THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEPS 06 THROUGH 15. MARK THIS STEP AS N/A (NOT APPLICABLE) OR N/R (NOT REQUIRED) IF YOU DO NOT PERFORM THIS STEP.</p> <p>1. For FIN 56QM (57QM). 1.1. Remove and discard 1 (one) Housing-Indicator, Magnetic Level, P/N 3508802-24. Refer to AMM Task 28-43-21-000-002. 1.2. Install 1 (one) Housing-Indicator, Magnetic Level, P/N FRH050002. Refer to AMM Task 28-43-21-400-002.</p> <p>2. For FIN 58QM (59QM). 2.1. Remove and discard 1 (one) Housing-Indicator, Magnetic Level, P/N 3508802-25 or 1 (one) Housing-Indicator, Magnetic Level, P/N3508802-34. Refer to AMM Task 28-43-21-000-002. 2.2. Install 1 (one) Housing-Indicator, Magnetic Level, P/N FRH050003. Refer to AMM Task 28-43-21-400-002.</p> <p>3. For FIN 60QM (61QM). 3.1. Remove and discard Housing-Indicator, Magnetic Level, P/N 3508802-26. Refer to AMM Task 28-43-21-000-002. 3.2. Install 1 (one) Housing-Indicator, Magnetic Level, P/N FRH050004. Refer to AMM Task 28-43-21-400-002.</p> <p>4. For FIN 62QM (63QM). 4.1. Remove and discard 1 (one) Housing-Indicator, Magnetic Level, P/N 3508802-27. Refer to AMM Task 28-43-21-000-002. 4.2. Install 1 (one) Housing-Indicator, Magnetic Level, P/N FRH050005. Refer to AMM Task 28-43-21-400-002.</p> <p>5. For FIN 64QM (65QM).</p> <div style="border: 1px solid black; background-color: #e0f0ff; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"> NOTE</p> <div style="border: 1px solid black; padding: 2px; margin: 5px auto; width: 80%;"> <p>MFLI FIN 64QM (65QM) is attached to the access panel FIN 540RB (640RB).</p> </div> </div> <p>5.1. Remove and discard 1 (one) Housing-Indicator, Magnetic Level P/N 3508802-28 or 1 (one) Housing-Indicator, Magnetic Level P/N 3508802-39. Refer to AMM Task 28-43-22-000-002.</p> <p>5.2. Install 1 (one) Housing-Indicator, Magnetic Level P/N FRH050006.</p>		

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STEP 19.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
<p>REPAIR. REPLACE THE TOP-STOP ON COMPOSITE MFLI.</p> <p>THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEPS 06 THROUGH 15. MARK THIS STEP AS N/A (NOT APPLICABLE) OR N/R (NOT REQUIRED) IF YOU DO NOT PERFORM THIS STEP.</p> <p>If necessary, replace the top-stop. Refer to EATON Service Bulletin No. FRH050002-28-2.</p>		

STEP 20.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
<p>REPAIR. INSPECT THE FUEL TANK FOR ANY DAMAGE CAUSED BY MISSING MFLI TOP-STOP.</p> <p>THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEPS 06 THROUGH 15. MARK THIS STEP AS N/A (NOT APPLICABLE) OR N/R (NOT REQUIRED) IF YOU DO NOT PERFORM THIS STEP.</p> <p>If an MFLI top-stop is found to be missing: - do a full check of the fuel tanks to find the MFLI top-stop; - do a full check for any damage which may have been caused by the missing MFLI top-stop; - repair any damage as necessary.</p>		

STEP 21.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
<p>INSTALL THE ACCESS PANELS (MANHOLE COVERS).</p> <p>1. Remove the HOOK-COVER (RIB 2 SURGE DOORS) (98D57004013000) from the AFT fuel-surge access panel FIN 540BZ (640BZ) on Rib 2 and let the AFT fuelsurge access panel close.</p> <p>2. Install these access panels: - FIN 540AB (640AB), FIN 540BB (640BB), FIN 540DB (640DB) and FIN 540GB (640GB) (Refer to AMM Task 57-27-11-400-001) and these access panels: - FIN 540RB (640RB) (Refer to AMM Task 57-27-11-400-002).</p> <div style="border: 1px solid blue; padding: 5px; margin-top: 10px;"> <p style="text-align: center;"> NOTE</p> <p style="border: 1px solid blue; padding: 5px;">It will be necessary to install the FWD and AFT fixed fairings for the Flap Track 3 after you install access panel FIN 540GB (640GB).</p> </div>		

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STEP 22.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
LEAK TEST OF ACCESS PANELS (MANHOLE COVERS). The leak test is included in the AMM references for installation of the Access Panels (Manhole Covers).		

STEP 23.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
FUNCTIONAL TEST (BITE) OF FUEL QUANTITY SENSORS. The functional test (BITE) of the fuel quantity sensors is included in the AMM references for installation of the Access Panels (Manhole Covers).		

STEP 24.

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
CLOSE-UP. 1. Make sure that the work areas are clean and clear of tools and other items of equipment. 2. Do the Close-up Procedure for the Installation of the Access Panels. Refer to AMM Task 57-27-11-400-001 and to AMM Task 57-27-11-400-002.		

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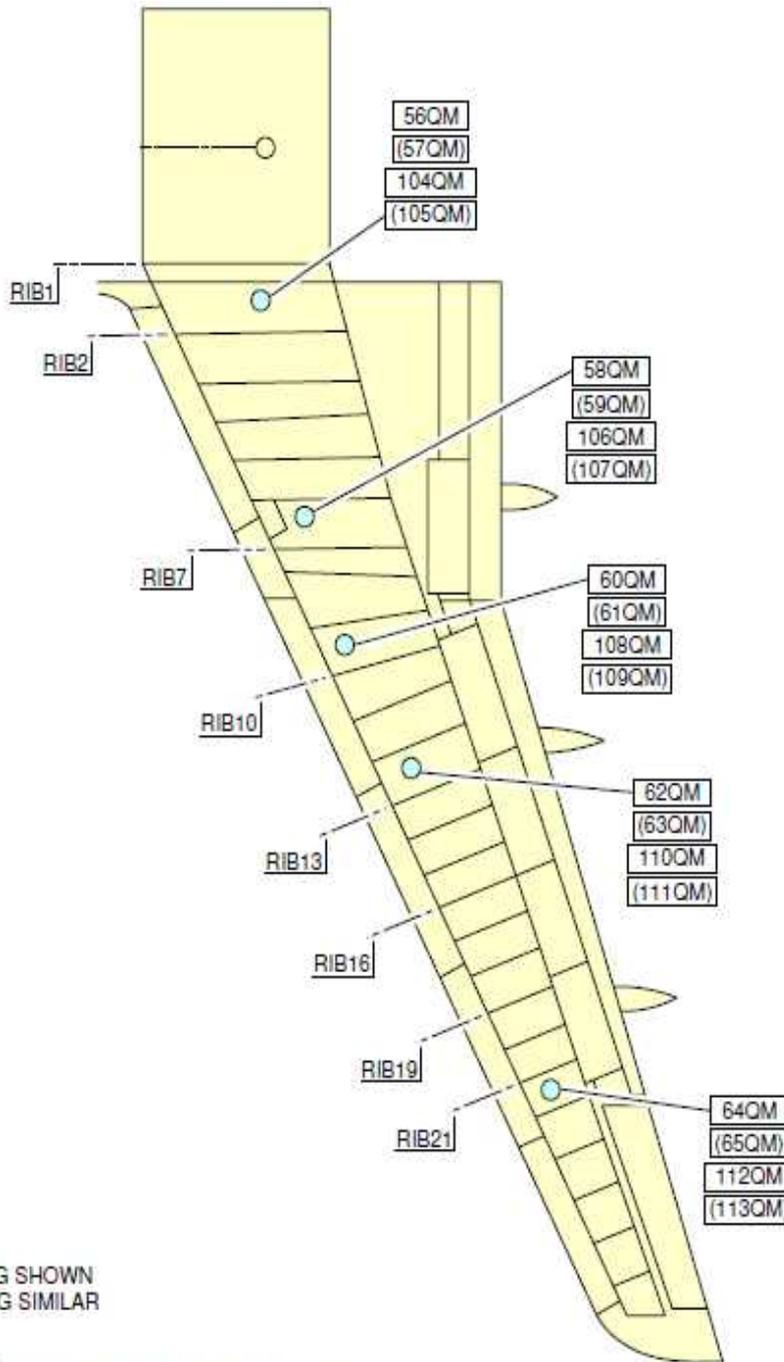
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FIGURE 01.

LOCATION OF MFLIS.



LH WING SHOWN
RH WING SIMILAR

KEY: ○ MAGNETIC FUEL LEVEL INDICATOR

MECH

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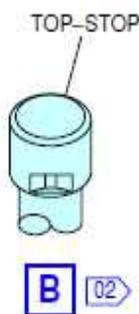
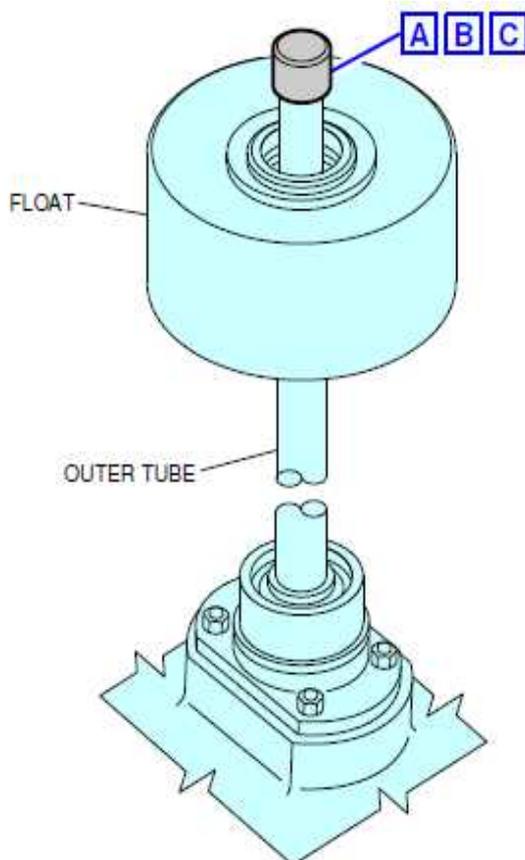
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FIGURE 02.

INSPECTION OF TYPICAL MFLI.

MECH

INSP



NOTE:

01 MFLI PART NUMBER 3508802 WITH A S-SHAPED LOCKWIRE

02 MFLI PART NUMBER 3508802 WITH A TRAPPED WIRE

03 MFLI PART NUMBER FRM050002 / 3 / 4 / 5 / 6 / 7 / 8 / 9 WITH BONDED RUBBER TOP-STOP.

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