

DART Field Inspection and Modification: Tank inspection & modification of (2) center Door Latches Part Number 10712198		
Work Instructions Initial Release: 2/18/2014	REVISION:	DOCUMENT: WI-078

1.0 PURPOSE

The purpose of this document is to provide instructions for field inspection of (1) tank and field modification for (2) center Door Latches on the DART 40' and DART 31' buses. There have been confirmations of tank damage due to contact of the threaded stud portion of the center door latches with tanks.

2.0 SCOPE

2.1 This work instruction applies to the DART 40' and DART 31' installation effort.

2.2 Perform visual inspection for the following:

2.2.1 40' buses: Threaded stud contact with Tank 5 per the photos and illustrations in this work instruction

2.2.2 31' buses: Threaded stud contact with Tank 3 per the photos and illustrations in this work instruction

2.3 Perform mandatory modification of (2) center Door Latch studs per this work instruction

3.0 ASSOCIATED DOCUMENTS

3.1 Agility drawings 23905000, 23906000

4.0 TOOLS, GAUGES, FIXTURES

4.1 Permatex Rust Treatment, portable band saw, ½" go-no go gauge

5.0 GENERAL INSTRUCTIONS

5.1 PERFORM VISUAL INSPECTION TO DETERMINE IF A THREADED STUD IS IN CONTACT WITH A TANK

5.1.1 40' buses: Inspect Tank 5

5.1.2 31' buses: Inspect Tank 3

5.1.3 The potential contact condition is shown in the photo.

5.1.4 The tank locations and possible stud contact locations are shown in the illustrations portion of this work instruction.





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5.2	TANK DAMAGE: DOCUMENTATION AND REPORTING 5.2.1 Applicable reporting forms shall be completed by the Agility contractor 5.2.2 Agility shall be contacted no later than the next business day 5.2.3 NABI shall be contacted by Agility	
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Agility Approved: Joel Smith

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- 5.3 PERFORM MANDATORY MODIFICATION OF (2) CENTER DOOR LATCHES**
- 5.3.1 See illustrations for exact locations
 - 5.3.2 Using a portable band saw, make a length reduction cut on the threaded studs
 - 5.3.2.1 Make a ½" long reduction cut
 - 5.3.3 Apply Permatex Rust Treatment to ends of studs per directions on aerosol can
 - 5.3.4 Dispose of scrap portion of threaded studs



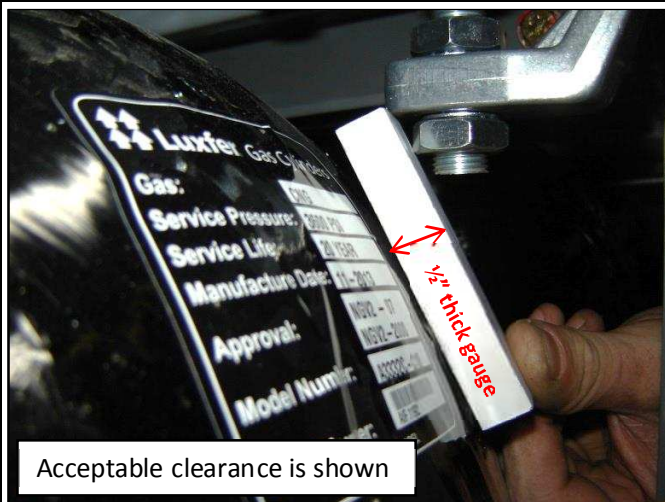
5.4 VERIFICATION OF CORRECT CLEARANCE

5.4.1 Close and latch the door

5.4.2 Using the 1/2" thick go-no go gauge, verify proper clearance between the stud and tank.

5.4.2.1 The gauge shall pass between the tank and stud.

5.4.2.2 If a no go condition still exists, make an additional cut on the stud and re-check until a go condition is achieved.

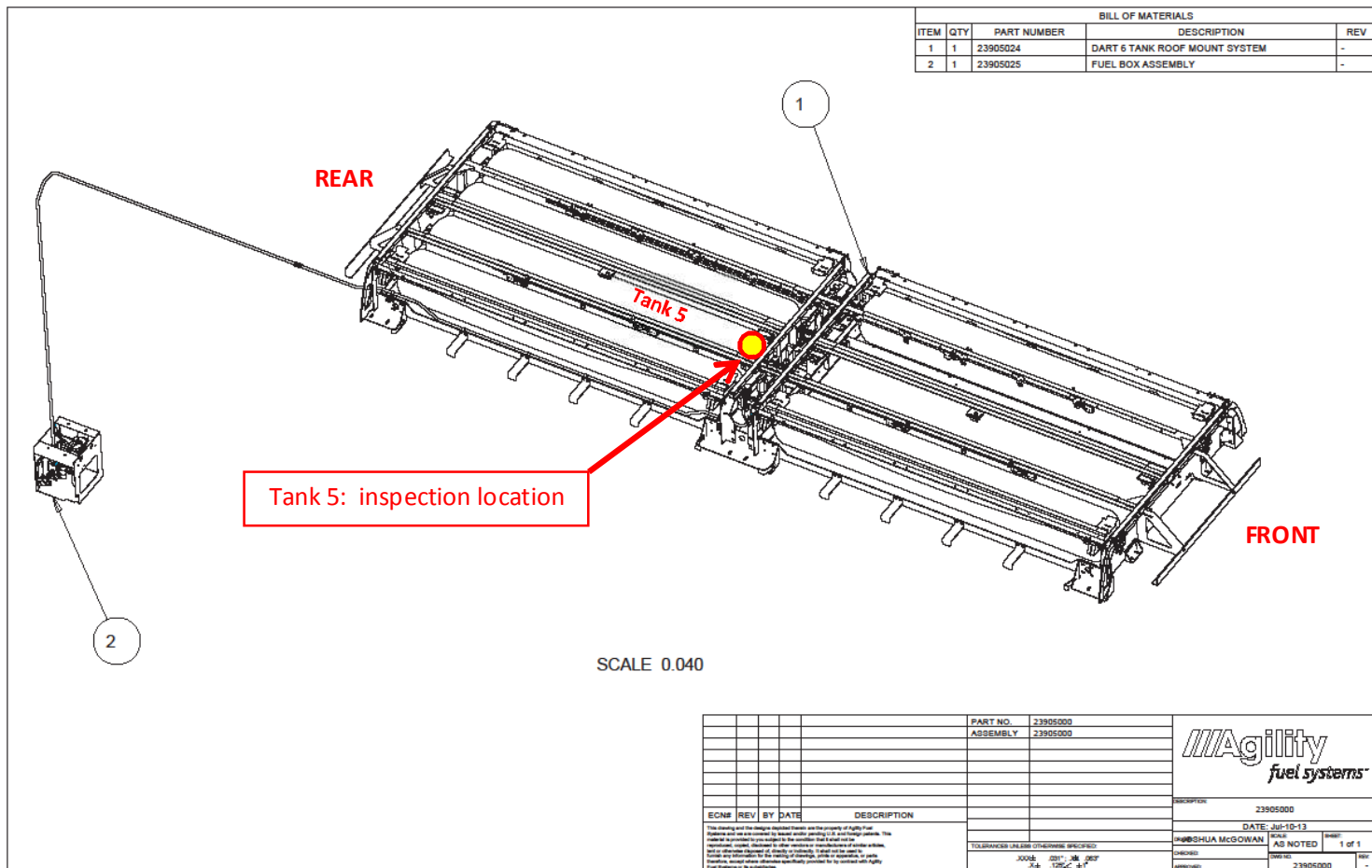


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40' BUS

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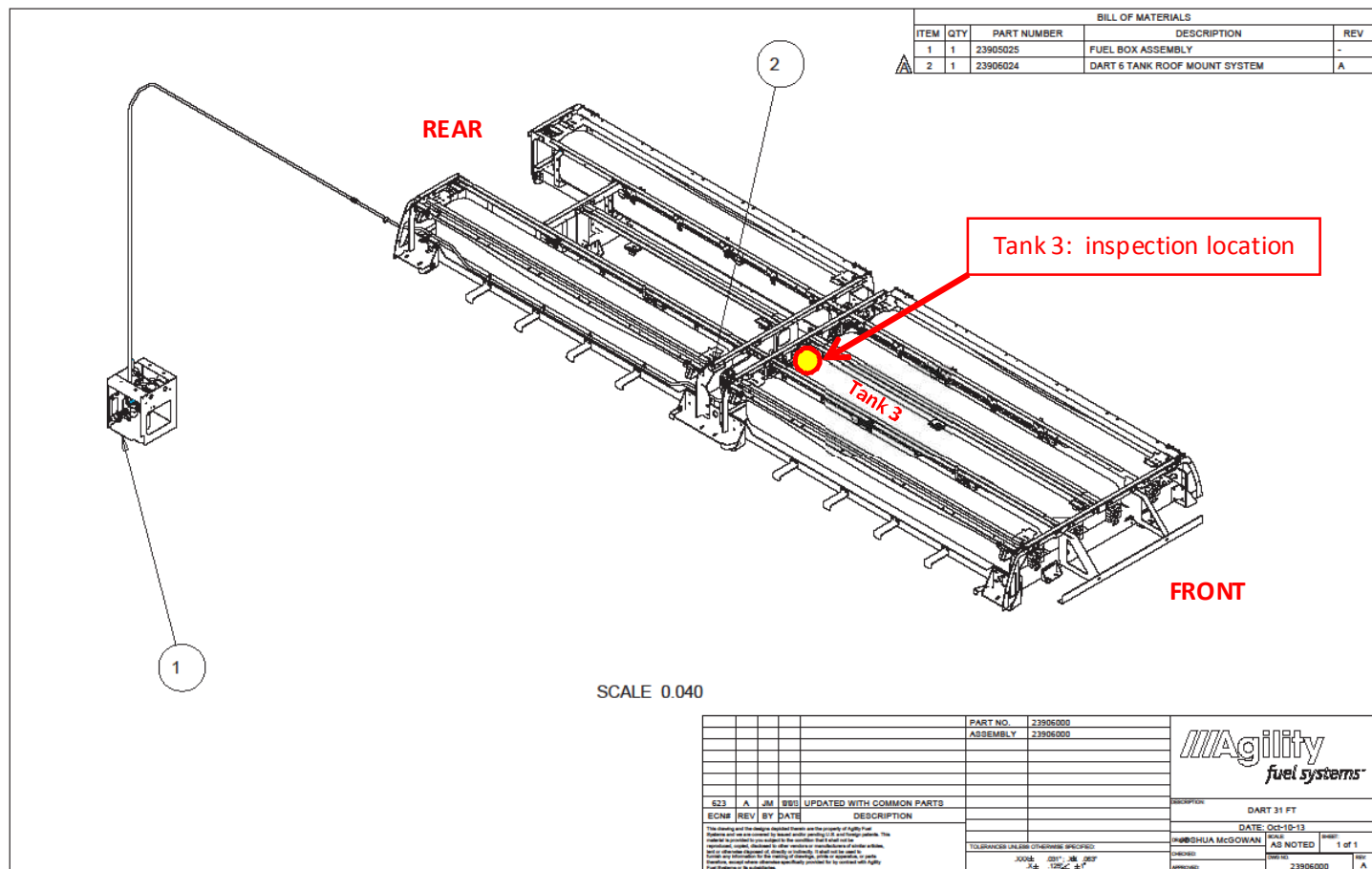
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31' BUS

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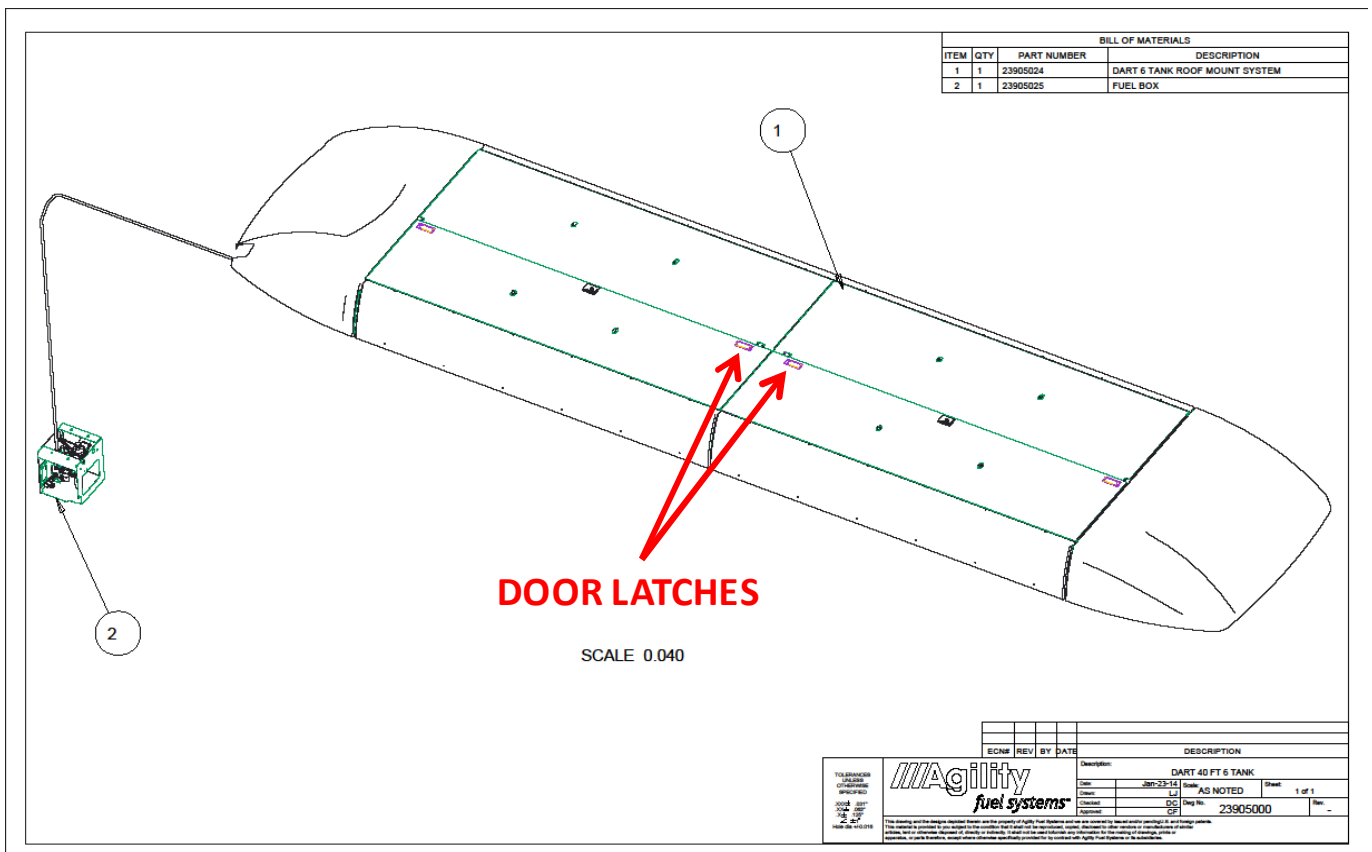
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40' BUS

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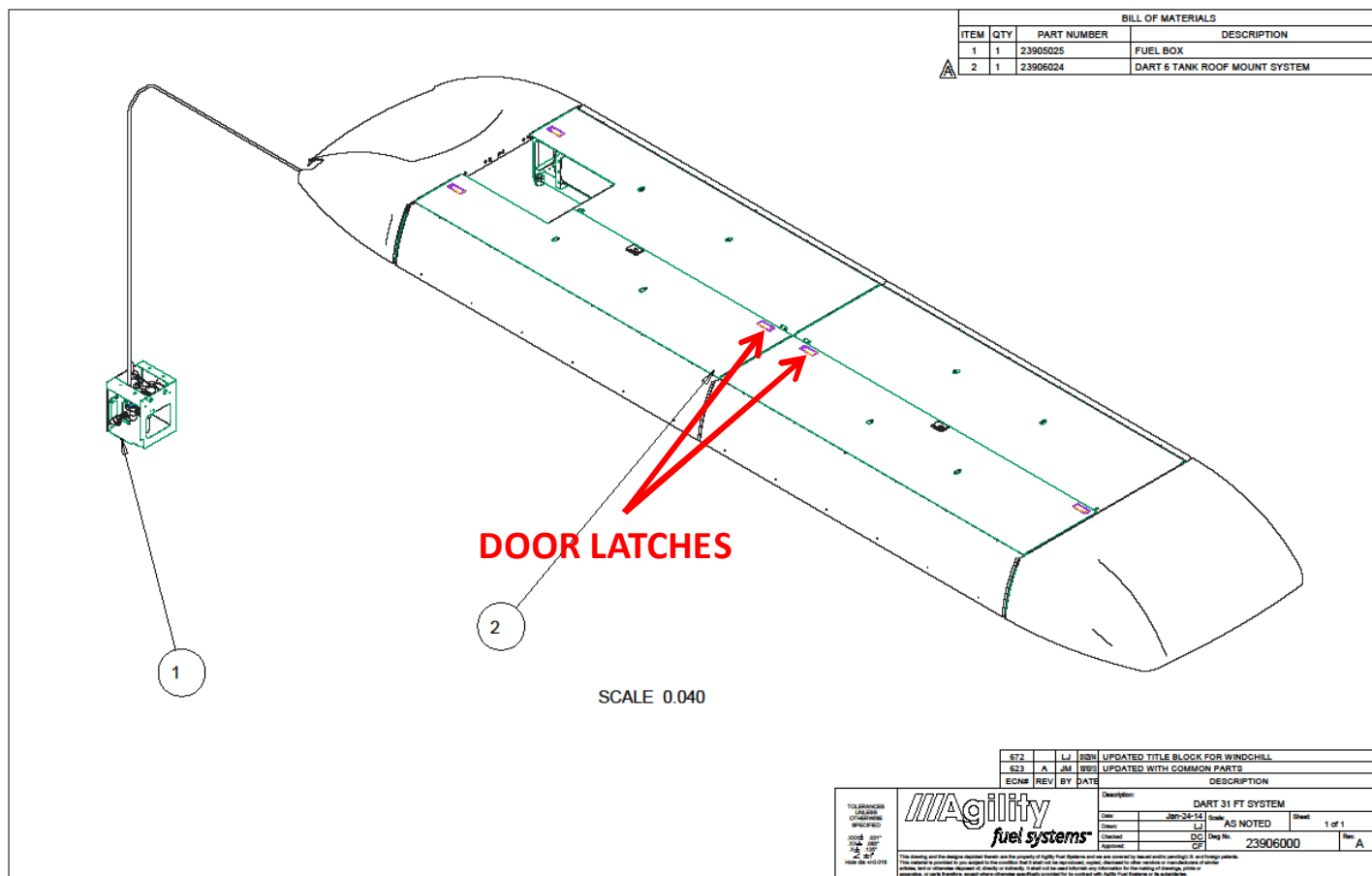
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31' BUS

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