

November 2020
FL815A-C
NHTSA #19V-370
Transport Canada #19-237
REVISED NOTICE

Subject: Air Tank Reservoir Capacity

Models Affected: Specific Model Year 2005-2019 Freightliner 108SD, 114SD, 122SD, Argosy, Business Class M2, Cascadia, Classic, Columbia, Coronado, FL80, and FLD120; Sterling Acterra, L-Line, and LT-Line; and Western Star 4700, 4900, and 6900 model vehicles manufactured January 8, 2004, through October 12, 2018.

General Information

REVISIONS: Additional details and specific examples have been added for taking photos and completing the inspection form and diagrams.

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks Division and wholly owned subsidiaries, Western Star Truck Sales, Inc., and Sterling Truck Corporation, has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

There are approximately 1,090 vehicles involved in this campaign.

Certain vehicles do not comply with Federal regulations regarding air brakes (FMVSS 121). FMVSS requires the combined volume of all service reservoirs and supply reservoirs to be at least 12 times the combined volume of all the service brake chambers. An insufficient ratio can affect brake performance if several brake applications are required over a short period. Reduced brake effectiveness could increase the risk of a vehicle crash if several brake applications are required over a short time.

The air brake tank will be replaced with a larger tank, or an additional tank will be added.

IMPORTANT: This repair must be scheduled in advance in order to request and receive the custom instructions and parts list for each vehicle. Please do the following:

- **FL815-A** – Submit a WSC inquiry to Warranty Campaigns for the specific VIN to be repaired. The instructions and parts list for that vehicle will be attached to the inquiry. The instructions and parts lists are known and ready; however, there are too many variations to post on DTNACconnect.
- **FL815-B** – Complete the Air Tank Location inspection procedure below. Fill out pages 18-21. Be sure to include all requested data and photos. Examples of how the photos should be taken are in step 4. Examples of how the inspection forms and diagrams should be completed are on pages 14-17. Submit a WSC inquiry to Warranty Campaigns for the specific VIN and attach the inspection forms and photos. Hold the vehicle until you receive a reply confirming all needed information was received. (Provide additional information if requested.) When you receive confirmation, release the vehicle and file the inspection claim to close out FL815-B. Do not attach a completion sticker; this will be done during the final repair.

The procedure for these vehicles is not known and must be developed based on the information you provide. The owner will be informed by letter when the repair is ready. The repair will be done as **FL815-C**, and may be done at your location or any DTNA dealer.
- **FL815-C** – Submit a WSC inquiry to Warranty Campaigns for the specific VIN to be repaired. The instructions and parts list for that vehicle will be attached to the inquiry. The repair will be based on the information provided in the FL815-B inspection.

Dealers must complete all outstanding Recall and Field Service campaigns prior to the sale or delivery of a vehicle. A Dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from failure to complete campaigns within a reasonable time after receiving notification.

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Removed Parts

U.S. and Canadian Dealers, please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts. Export distributors, please destroy removed parts unless otherwise advised.

Labor Allowance

Table 1 - Labor Allowance

NOTE: Due to the wide variation in the time needed to complete this recall, claim the appropriate SRT below and Generic Time for any additional repair time.

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
FL815B	Perform air tank inspection	1.0	996-R091A	06-Inspect
FL815A & C	Perform air tank repair	1.0	996-R091B	12-Repair Recall/Campaign

Table 1

IMPORTANT: When the Recall has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the red completion sticker provided in the recall kit (Form WAR260). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle and first attach the base completion label (Form WAR259). If a recall kit is not required or there is no completion sticker in the kit, write the recall number on a blank sticker and attach it to the base completion label. **NOTE: For FL815-B, completion stickers will NOT be applied for the inspection procedure; this step will occur in the FL815-C repair.**

Claims for Credit

You will be reimbursed for your parts, labor, and handling (landed cost for Export Distributors) by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in OWL:

REVISIONS: Additional details and specific examples have been added for taking photos and completing the inspection form and diagrams.

IMPORTANT: This repair must be scheduled in advance in order to request and receive the custom instructions and parts list for each vehicle. Please do the following:

- **FL815-A** – Submit a WSC inquiry to Warranty Campaigns for the specific VIN to be repaired. The instructions and parts list for that vehicle will be attached to the inquiry. The instructions and parts lists are known and ready; however, there are too many variations to post on DTNACconnect.
- **FL815-B** – Complete the Air Tank Location inspection procedure below. Fill out pages 18-21. Be sure to include all requested data and photos. Examples of how the photos should be taken are in step 4. Examples of how the inspection forms and diagrams should be completed are on pages 14-17. Submit a WSC inquiry to Warranty Campaigns for the specific VIN and attach the inspection forms and photos. Hold the vehicle until you receive a reply confirming all needed information was received. (Provide additional information if requested.) When you receive confirmation, release the vehicle and file the inspection claim to close out FL815-B. Do not attach a completion sticker; this will be done during the final repair.

The procedure for these vehicles is not known and must be developed based on the information you provide. The owner will be informed by letter when the repair is ready. The repair will be done as **FL815-C**, and may be done at your location or any DTNA dealer.

- **FL815-C** – Submit a WSC inquiry to Warranty Campaigns for the specific VIN to be repaired. The instructions and parts list for that vehicle will be attached to the inquiry. The repair will be based on the information provided in the FL815-B inspection.

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- Completion stickers **WILL NOT** be attached for the inspection procedure. This step will occur in the FL815-C repair. Please make sure the inspection procedure claim is filed soon after the release of the vehicle to avoid the inspection being duplicated by another dealer.
- Claim type is **Recall Campaign**.
- In the Campaign field, enter the campaign number and appropriate condition code (e.g. **FL815-A, FL815-B, etc.**).
- In the Primary Failed Part Number field, enter **25-FL815-000**.
- In the WSC Ticket # field, and/or the Repair Details, include the WSC ticket number used to obtain the individualized work instructions specific to each VIN.
- In the Parts field, enter the part used in the repair (from the parts list provided with the work instructions specific to each VIN).
- In the Labor field, first enter the appropriate SRT from the Labor Allowance Table. Enter Generic Time for any additional repair time needed. Administrative time will be included automatically as SRT 939-6010A for 0.3 hours.
- The VMRS Component Code is **F99-999-005** and the Cause Code is **A1 - Campaign**.
- **U.S. and Canada -- Reimbursement for Prior Repairs.** When a customer asks about reimbursement, please do the following:
 - Accept the documentation of the previous repair.
 - Make a brief check of the customer's paperwork to see if the repair may be eligible for reimbursement. (See the "Copy of Owner Letter" section of this bulletin for reimbursement guidelines.)
 - Submit an OWL Recall Pre-Approval Request for a decision.
 - Include the approved amount on your claim in the Other Charges section.
 - Attach the documentation to the pre-approval request.
 - If approved, submit a based on claim for the pre-approval.
 - Reimburse the customer the appropriate amount.

IMPORTANT: OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNACconnect.com / WSC, if you have any questions or need additional information. Export distributors, submit a Web inquiry or contact your International Service Manager.

U.S. and Canadian Dealers: To return excess kit inventory related to this campaign, U.S. dealers must submit a Parts Authorization Return (PAR) to the Memphis PDC. Canadian dealers must submit a PAR to their facing PDC. All kits must be in resalable condition. PAR requests must include the original purchase invoice number. Export Distributors: Excess inventory is not returnable.

The letter notifying U.S. and Canadian vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended (Title 49, United States Code, Chapter 301), requires the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The Act states that failure to repair a vehicle within 60 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 60 day period. Failure to repair a vehicle within a reasonable time can result in either the obligation to (a) replace the vehicle with an identical or reasonably equivalent vehicle, without charge, or (b) refund the purchase price in full, less a reasonable allowance for depreciation. The Act further prohibits dealers from selling a vehicle unless all outstanding recalls are performed. Any lessor is required to send a copy of the recall notification to the lessee within 10 days. Any subsequent stage manufacturer is required to forward this notice to its distributors and retail outlets within five working days.

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Copy of Notice to Owners in FL815-A

Subject: Air Tank Reservoir Capacity

U.S. notice used for reference: This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks Division and wholly owned subsidiaries, Western Star Truck Sales, Inc., and Sterling Truck Corporation, has decided that a defect that relates to motor vehicle safety exists on specific Model Year 2005-2019 Freightliner 108SD, 114SD, 122SD, Argosy, Business Class M2, Cascadia, Classic, Columbia, Coronado, FL80, and FLD120; Sterling Acterra, L-Line, and LT-Line; and Western Star 4700, 4900, and 6900 model vehicles manufactured January 8, 2004, through October 12, 2018.

Certain vehicles do not comply with Federal regulations regarding air brakes (FMVSS 121). FMVSS requires the combined volume of all service reservoirs and supply reservoirs to be at least 12 times the combined volume of all the service brake chambers. An insufficient ratio can affect brake performance if several brake applications are required over a short period. Reduced brake effectiveness could increase the risk of a vehicle crash if several brake applications are required over a short time.

The air brake tank will be replaced with a larger tank, or an additional tank will be added.

IMPORTANT: This repair MUST be scheduled in advance in order to ensure the dealership has received the custom instructions and parts list for your vehicle. This recall repair has many variations and the procedure and parts will be different for each vehicle.

Please contact an authorized Daimler Trucks North America dealer to arrange to have the Recall performed. To locate an authorized dealer, go to www.Daimler-TrucksNorthAmerica.com. On the menu tab, select "Contact," scroll down to "Find a Dealer," and select the appropriate brand. The Recall can take several hours and will be performed at no charge to you. You may also confirm your vehicle's involvement in this recall at this URL: <https://dtna-dlinfo.prd.freightliner.com:48518/VinLookup/vin-module/getVinLookupPage>

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com. If you are not able to have the defect remedied without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or to <http://www.safercar.gov>.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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FL815A-C
NHTSA #19V-370
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REVISED NOTICE

Copy of Notice to Owners in FL815-B

Subject: Air Tank Reservoir Capacity

U.S. notice used for reference: This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks Division and wholly owned subsidiaries, Western Star Truck Sales, Inc., and Sterling Truck Corporation, has decided that a defect that relates to motor vehicle safety exists on specific Model Year 2005-2019 Freightliner 108SD, 114SD, 122SD, Argosy, Business Class M2, Cascadia, Classic, Columbia, Coronado, FL80, and FLD120; Sterling Acterra, L-Line, and LT-Line; and Western Star 4700, 4900, and 6900 model vehicles manufactured January 8, 2004, through October 12, 2018.

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The air brake tank will be replaced with a larger tank, or an additional tank will be added.

IMPORTANT: The repair for your vehicle is not known and an inspection is needed in order to determine the procedure. After the inspection by a DTNA dealer, your vehicle will be released and DTNA Engineering will develop the repair and make it available. You will be notified by letter when you may bring your vehicle in for the final repair.

Please contact an authorized Daimler Trucks North America dealer to arrange to have the inspection performed. To locate an authorized dealer, go to www.Daimler-TrucksNorthAmerica.com. On the menu tab, select "Contact," scroll down to "Find a Dealer," and select the appropriate brand. The inspection can take several hours and will be performed at no charge to you. You may also confirm your vehicle's involvement in this recall at this URL: <https://dtna-dlinfo.prd.freightliner.com:48518/VinLookup/vin-module/getVinLookupPage>

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com. If you are not able to have the defect remedied without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or to <http://www.safercar.gov>.

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WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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Copy of Notice to Owners in FL815-C

Subject: Air Tank Reservoir Capacity

U.S. notice used for reference: This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Daimler Trucks North America LLC (DTNA), on behalf of its Freightliner Trucks Division and wholly owned subsidiaries, Western Star Truck Sales, Inc., and Sterling Truck Corporation, has decided that a defect that relates to motor vehicle safety exists on specific Model Year 2005-2019 Freightliner 108SD, 114SD, 122SD, Argosy, Business Class M2, Cascadia, Classic, Columbia, Coronado, FL80, and FLD120; Sterling Acterra, L-Line, and LT-Line; and Western Star 4700, 4900, and 6900 model vehicles manufactured January 8, 2004, through October 12, 2018.

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The air brake tank will be replaced with a larger tank, or an additional tank will be added.

This letter is to let you know the repair is available for your vehicle. Please contact an authorized DTNA dealer to arrange to have the recall performed. **IMPORTANT: This repair MUST be scheduled in advance in order to ensure the dealership has received the custom instructions and parts list for your vehicle.**

To locate an authorized dealer, go to www.Daimler-TrucksNorthAmerica.com. On the menu tab, select "Contact," scroll down to "Find a Dealer," and select the appropriate brand. The Recall can take several hours and will be performed at no charge to you. You may also confirm your vehicle's involvement in this recall at this URL: <https://dtna-dlrinfo.prd.freightliner.com:48518/VinLookup/vin-module/getVinLookupPage>

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com. If you are not able to have the defect remedied without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or to <http://www.safercar.gov>.

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Reimbursement to Customers for Repairs Performed Prior to Recall

If you have already **paid** to have this recall condition corrected you may be eligible to receive reimbursement.

Requests for reimbursement may include parts and labor. Reimbursement may be limited to the amount the repair would have cost if completed by an authorized Daimler Trucks North America LLC dealer. The following documentation must be presented to your dealer for consideration for reimbursement.

Please provide original or clear copies of all receipts, invoices, and repair orders that show:

- The name and address of the person who paid for the repair
- The Vehicle Identification Number (VIN) of the vehicle that was repaired
- What problem occurred, what repair was done, when the repair was done
- Who repaired the vehicle
- The total cost of the repair expense that is being claimed
- Proof of payment for the repair (such as the front and back of a cancelled check or a credit card receipt)

Reimbursement will be made by check from your Daimler Trucks North America LLC dealer.

Please speak with your Daimler Trucks North America LLC authorized dealer concerning this matter.

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Work Instructions

Subject: Air Tank Reservoir Capacity

Models Affected: Specific Model Year 2005-2019 Freightliner 108SD, 114SD, 122SD, Argosy, Business Class M2, Cascadia, Classic, Columbia, Coronado, FL80, and FLD120; Sterling Acterra, L-Line, and LT-Line; and Western Star 4700, 4900, and 6900 model vehicles manufactured January 8, 2004, through October 12, 2018.

REVISIONS: Additional details and specific examples have been added for taking photos and completing the inspection form and diagrams.

IMPORTANT: This repair must be scheduled in advance in order to request and receive the custom instructions and parts list for each vehicle. Please do the following:

- **FL815-A** – Submit a WSC inquiry to Warranty Campaigns for the specific VIN to be repaired. The instructions and parts list for that vehicle will be attached to the inquiry. The instructions and parts lists are known and ready; however, there are too many variations to post on DTNAConnect.
- **FL815-B** – Complete the Air Tank Location inspection procedure below. Fill out pages 18-21. Be sure to include all requested data and photos. Examples of how the photos should be taken are in step 4. Examples of how the inspection forms and diagrams should be completed are on pages 14-17. Submit a WSC inquiry to Warranty Campaigns for the specific VIN and attach the inspection forms and photos. Hold the vehicle until you receive a reply confirming all needed information was received. (Provide additional information if requested.) When you receive confirmation, release the vehicle and file the inspection claim to close out FL815-B. Do not attach a completion sticker; this will be done during the final repair.

The procedure for these vehicles is not known and must be developed based on the information you provide. The owner will be informed by letter when the repair is ready. The repair will be done as **FL815-C**, and may be done at your location or any DTNA dealer.
- **FL815-C** – Submit a WSC inquiry to Warranty Campaigns for the specific VIN to be repaired. The instructions and parts list for that vehicle will be attached to the inquiry. The repair will be based on the information provided in the FL815-B inspection.

FL815-B Inspection - Air Tank Location

The current location of the air tanks on each vehicle is needed in order to determine the correct repair. Review the inspection and truck diagram examples on pages 14-17 to see what is required for completing the Air Tank Inspection form and Air Tank Location truck diagrams (pages 18-21).

1. Check the Coverage Info screen in OWL for a claim for FL815-B indicating the inspection has been done, as completion stickers are not being applied for the inspection procedure. If a claim is present, no work is needed. If there is no claim, proceed with the next step.
2. Begin with the tank that is the furthest forward, then move to the back of the truck.
 - 2.1 Measure from the front of the cross members to the front of the air tank. Then measure from the back of the cross members to the rear of the air tank.
 - 2.2 Measure the diameter of each air tank and the distance from the air tank to each of the components around it. Make notes of what components are around the air tank.

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3. Add as much relevant detail to the inspection form and truck diagrams as possible. Mark possible locations for an additional or replacement tank. Remember, this fix is being developed from the information you provide. The more information provided, the better the fix can be developed and the better the repair will be. Help us help you.

For examples of the different types of air tank installations, see [Fig. 1](#), [Fig. 2](#), [Fig. 3](#), [Fig. 4](#), and [Fig. 5](#).



Fig. 1, In-Rail Air Tank, Top View

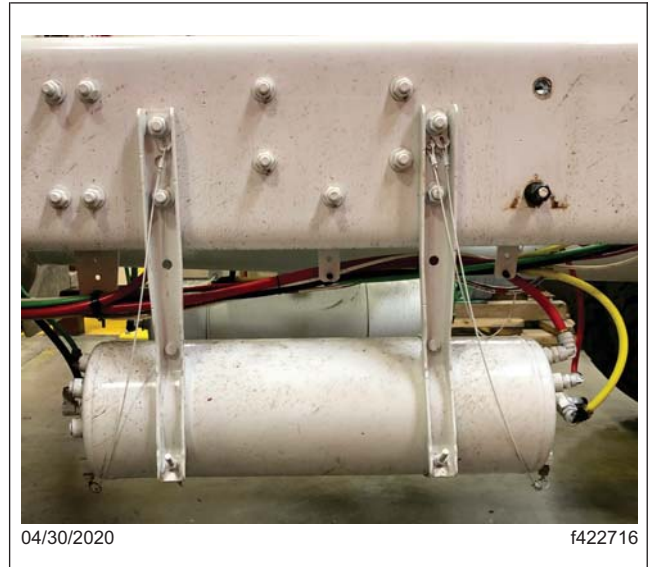


Fig. 2, Torpedo Air Tank

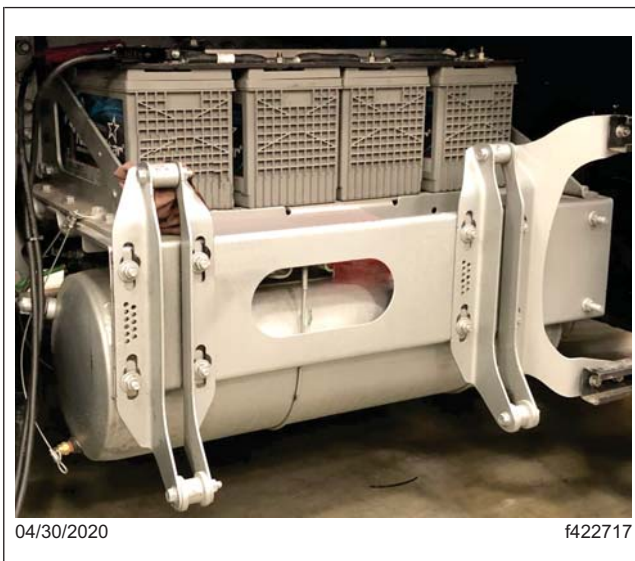


Fig. 3, Torpedo Air Tank, Under the Battery Box

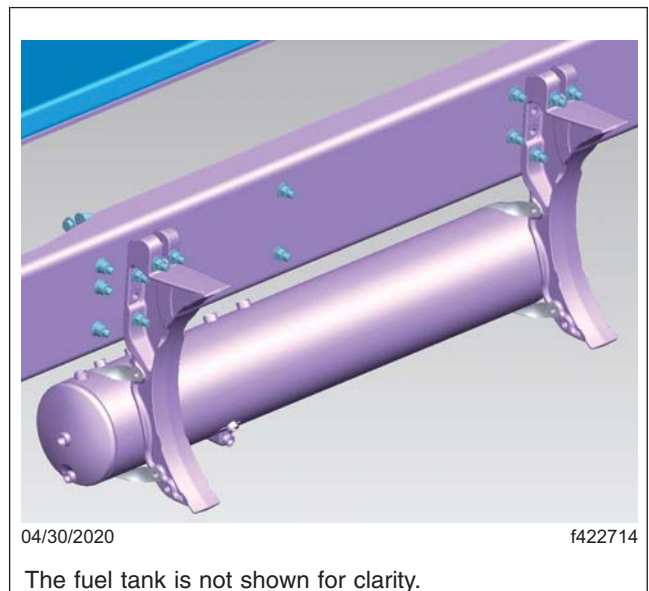


Fig. 4, Fuel Tank Mounted Air Tank

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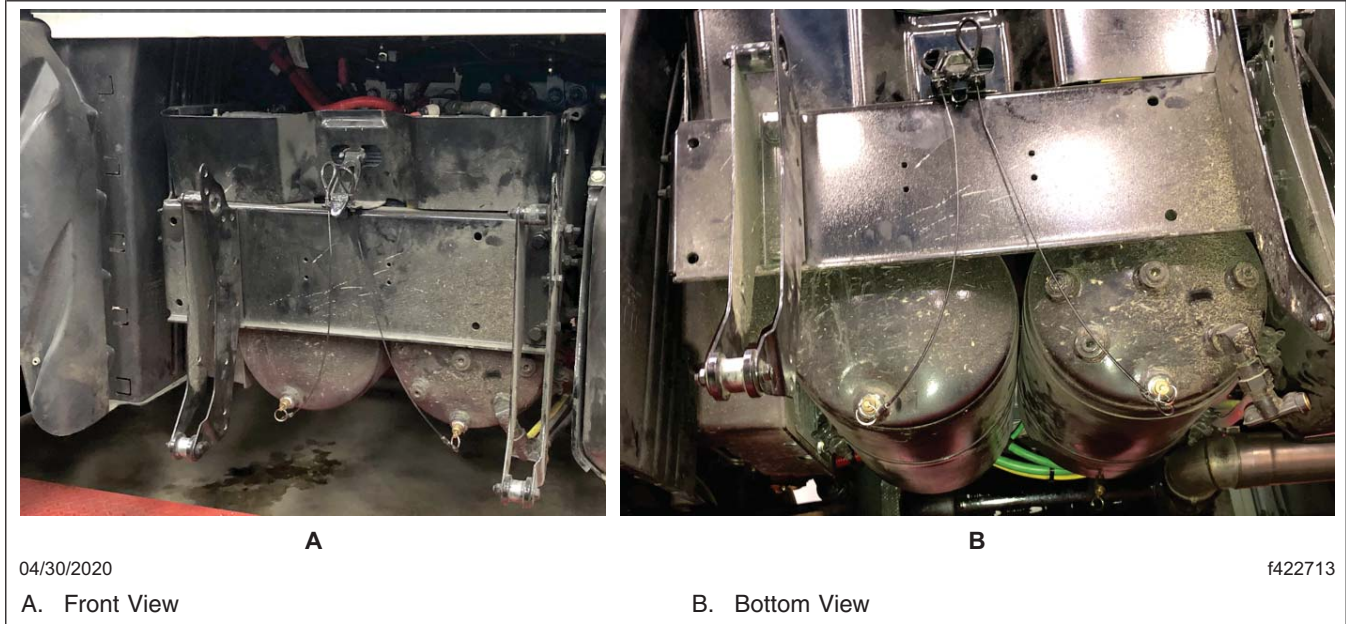


Fig. 5, Perpendicular Air Tank, Under the Battery Box

4. Take 5 to 6 clear photos of the air tanks and their locations:

- Photos submitted must be at least 1 MB in size.
- Be sure to stand far enough back from the air tank so that someone who has not seen the truck can get an idea of where the air tank is located and what is around it.
- Include a photo of the open space where you believe a tank could be installed.
- Below are examples of the required angles from which the photos should be taken. See [Fig. 6](#), [Fig. 7](#), [Fig. 8](#), [Fig. 9](#), [Fig. 10](#), and [Fig. 11](#).
 - Left Rail, Below and in Rail (forward)
 - Left Rail, Below and in Rail (rear)
 - Right Rail, Below and in Rail (rear)
 - Right Rail, Below and in Rail (forward)
 - Left Rail, Outboard
 - Right Rail, Outboard

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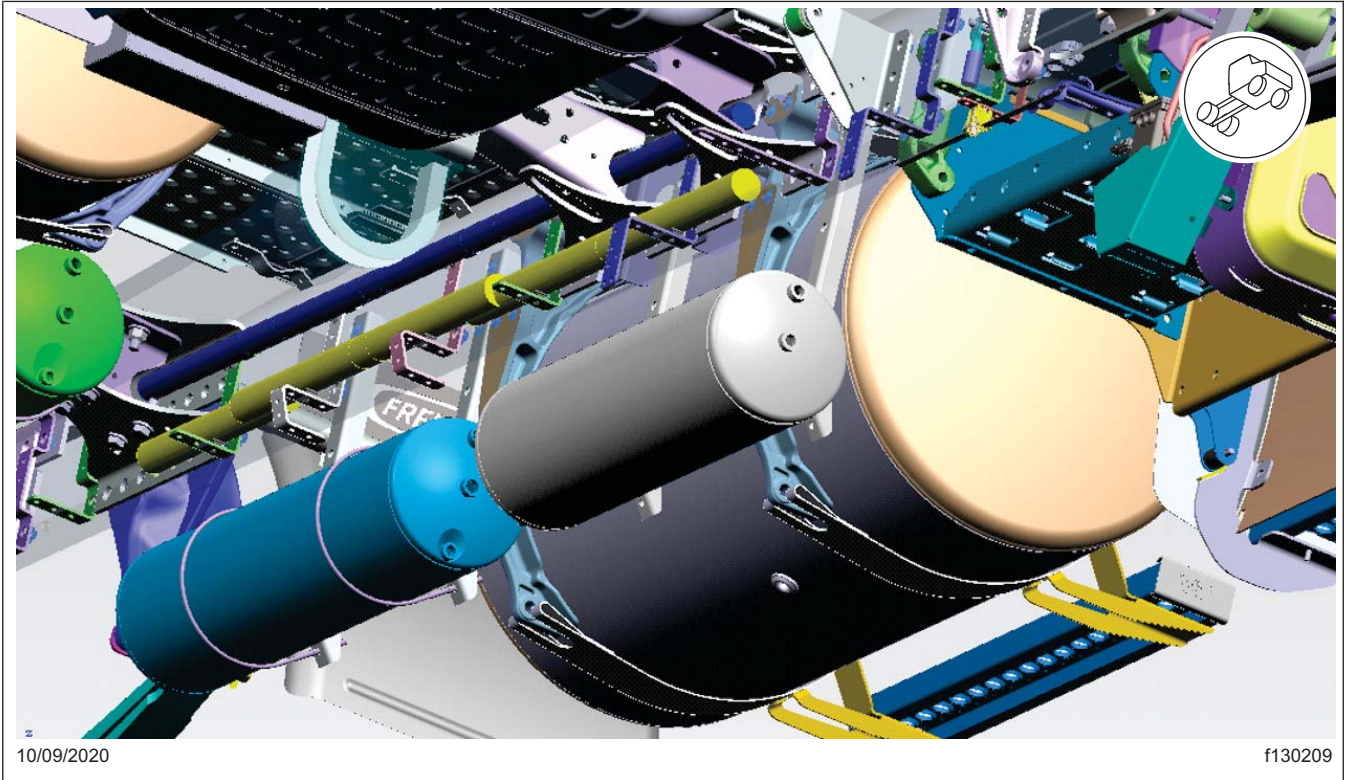


Fig. 6, Left Rail, Below and in Rail (forward)

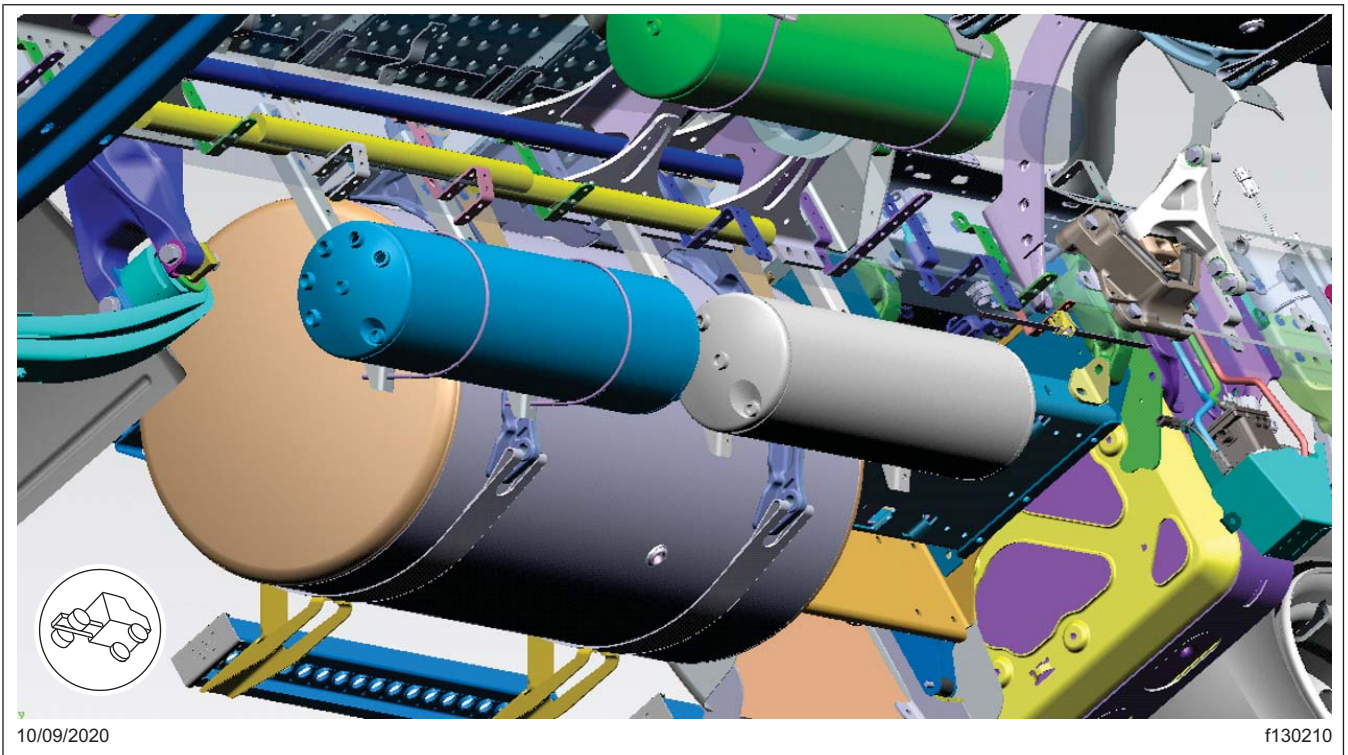
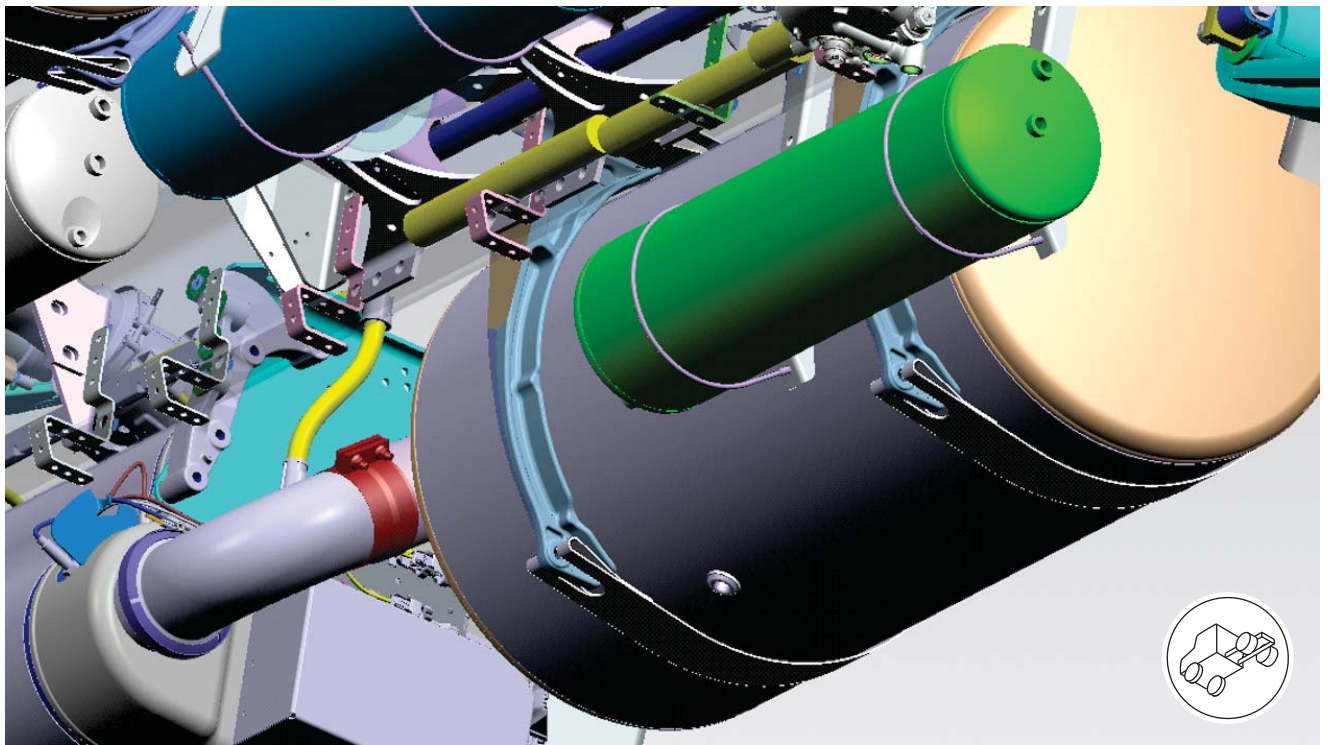


Fig. 7, Left Rail, Below and in Rail (rear)

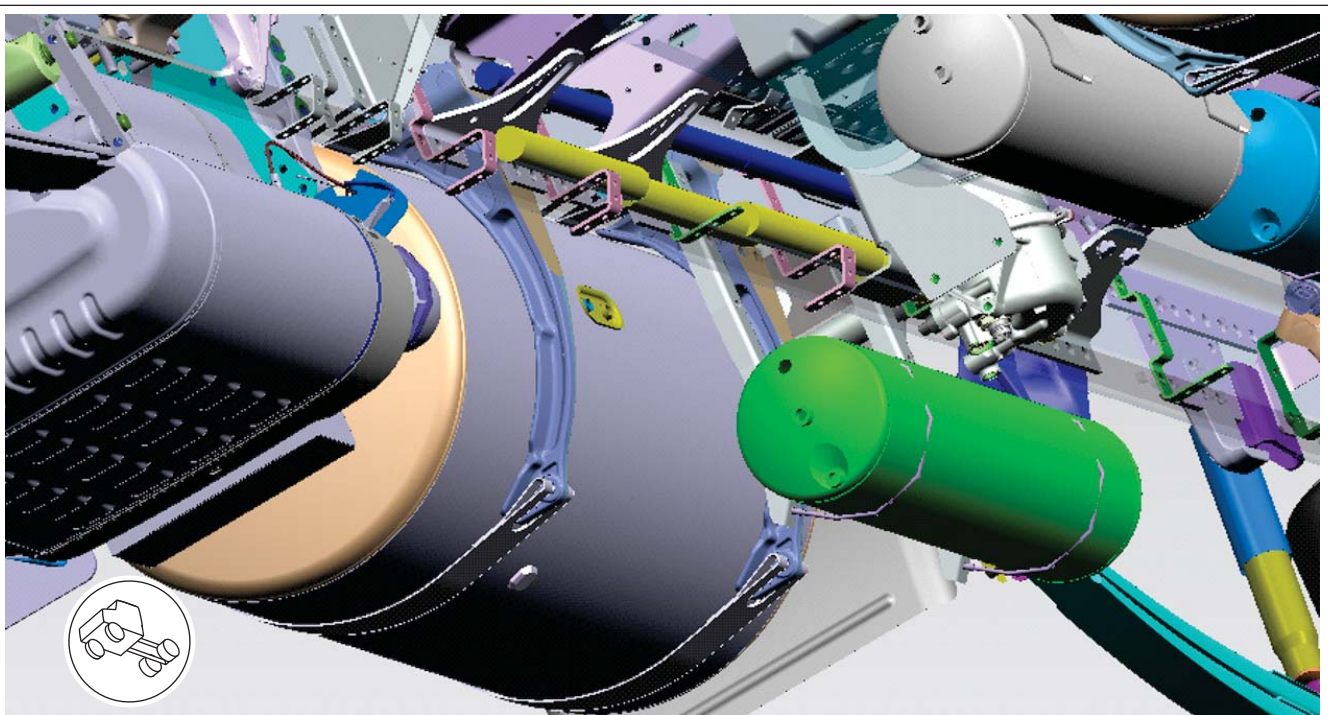
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10/09/2020

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Fig. 8, Right Rail, Below and in Rail (rear)



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Fig. 9, Right Rail, Below and in Rail (forward)

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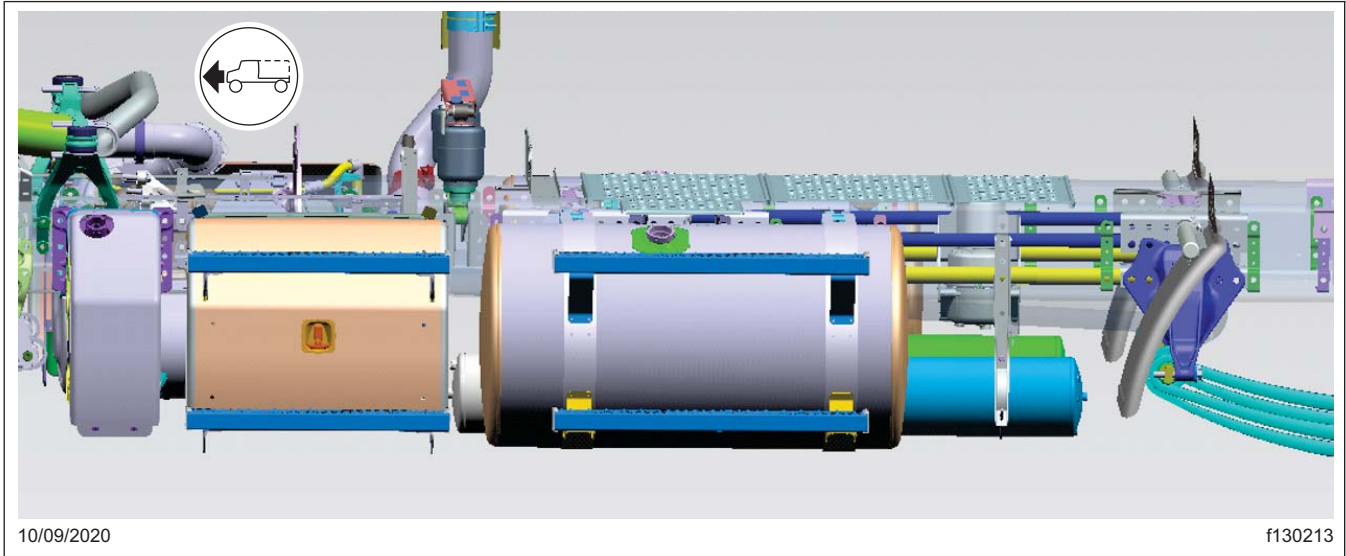


Fig. 10, Left Rail, Outboard

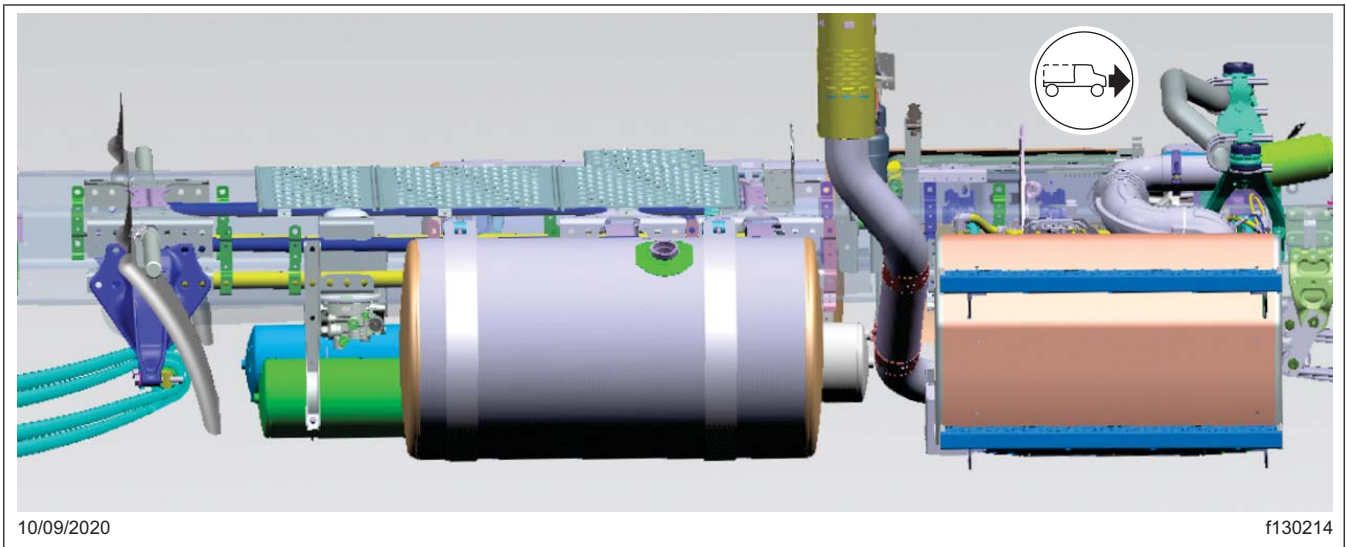


Fig. 11, Right Rail, Outboard

5. Submit the forms, diagrams, photos, and any additional notes to Warranty Campaigns on a WSC inquiry. When you receive a reply, either release the truck or provide any requested additional information.
NOTE: Forms, diagrams, and photos not completed as instructed will be returned.
6. **DO NOT** attach a completion sticker for the inspection procedure. This step will occur in the FL815-C repair. Please make sure the inspection procedure claim is filed soon after the release of the vehicle to avoid the inspection being duplicated by another dealer.

Example - FL815 Air Tank Inspection

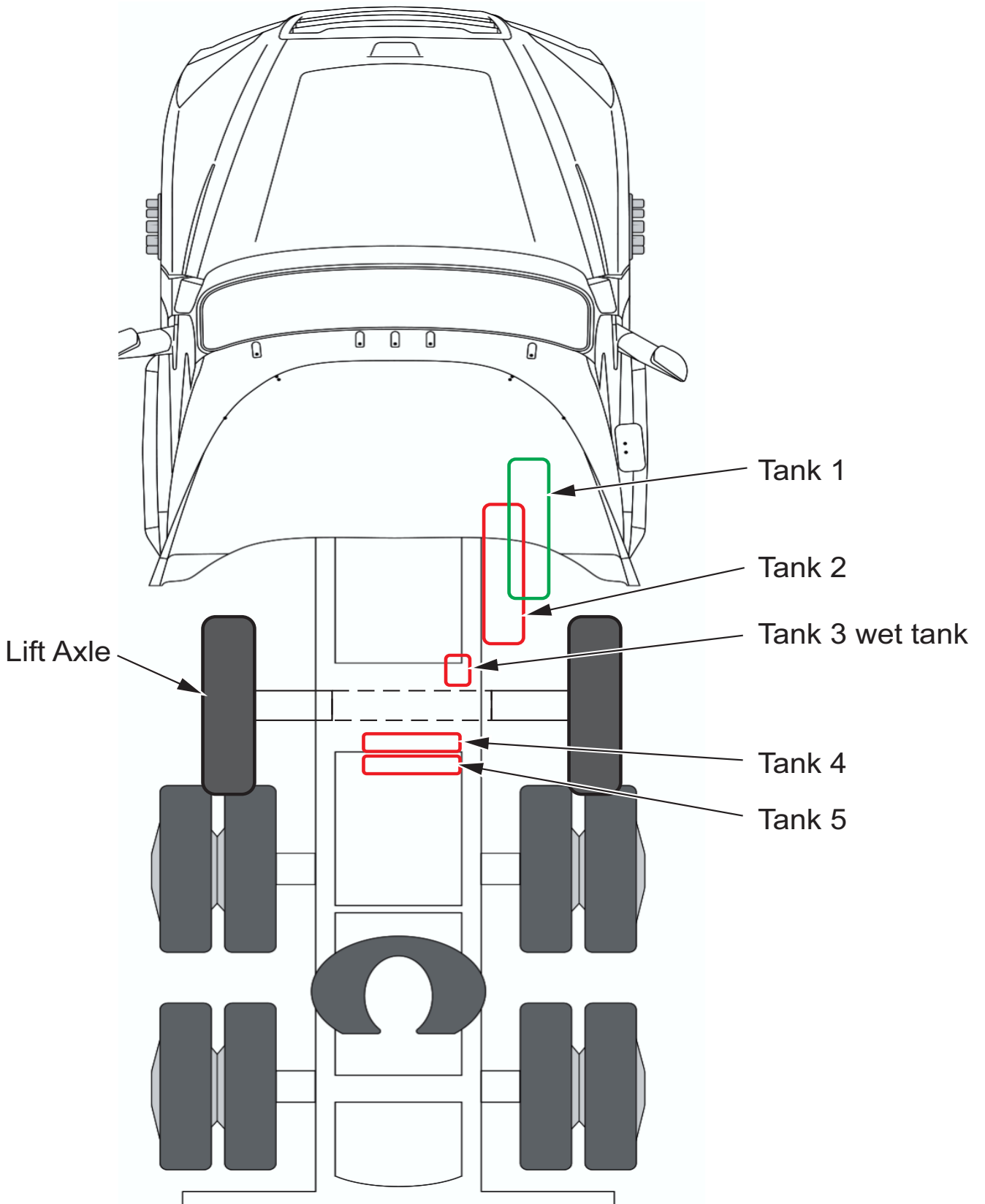
Customer/Truck Information		
Date:	11 / 3 / 2020	
Truck:	Customer:	Daimler Trucks North America
	Make/Model:	M2 112V
	Serial #:	ZZ1111
Air Tank Information		
Tank 1	Location & Measurements	Comments
Location Circle all that apply -->	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> - Right Hand Rail - Left Hand Rail - Inside Rail Parallel (F. 1) - Perpendicular to Rail </div> <div style="width: 45%;"> <ul style="list-style-type: none"> - Fuel Tank Mounted (F. 4) - Under B-box Perpendicular (F. 5) - Under B-box Torpedo (F. 3) - Below Rail Torpedo (F. 2) </div> </div>	Mounted behind DPF in same bracket.
Clearance Fwd:	_____ 21 mm	Tank diameter 230mm Tank length 800mm
Clearance Aft:	_____ 2 mm	
Clearance Inboard:	_____ 0 mm	
Clearance Outboard:	_____ 0 mm	
Clearance Above:	_____ 0 mm	
Tank 2	Location & Measurements	Comments
Location Circle all that apply -->	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> - Right Hand Rail - Left Hand Rail - Inside Rail Parallel (F. 1) - Perpendicular to Rail </div> <div style="width: 45%;"> <ul style="list-style-type: none"> - Fuel Tank Mounted (F. 4) - Under B-box Perpendicular (F. 5) - Under B-box Torpedo (F. 3) - Below Rail Torpedo (F. 2) </div> </div>	Mounted below first tank in DPF mounting bracket.
Clearance Fwd:	_____ 21 mm	Tank Diameter 230mm Tank Length 800mm
Clearance Aft:	_____ 2 mm	
Clearance Inboard:	_____ 0 mm	
Clearance Outboard:	_____ 0 mm	
Clearance Above:	_____ 0 mm	
Tank 3	Location & Measurements	Comments
Location Circle all that apply -->	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> - Right Hand Rail - Left Hand Rail - Inside Rail Parallel (F. 1) - Perpendicular to Rail </div> <div style="width: 45%;"> <ul style="list-style-type: none"> - Fuel Tank Mounted (F. 4) - Under B-box Perpendicular (F. 5) - Under B-box Torpedo (F. 3) - Below Rail Torpedo (F. 2) </div> </div>	Wet tank has air valve behind it. Inboard is driveline.
Clearance Fwd:	_____ 36 mm	Tank diameter 230mm Tank length 280mm
Clearance Aft:	_____ 2 mm	
Clearance Inboard:	_____ 11 mm	
Clearance Outboard:	_____ 0 mm	
Clearance Above:	_____ 0 mm	

Example - FL815 Air Tank Inspection

Tank 4	Location & Measurements	Comments
Location Circle all that apply -->	<ul style="list-style-type: none"> - Right Hand Rail - Left Hand Rail - Inside Rail Parallel (F. 1) - Perpendicular to Rail <ul style="list-style-type: none"> - Fuel Tank Mounted (F. 4) - Under B-box Perpendicular (F. 5) - Under B-box Torpedo (F. 3) - Below Rail Torpedo (F. 2) 	Tank mounted on lift axle cross brace.
Clearance Fwd: Clearance Aft: Clearance Inboard: Clearance Outboard: Clearance Above:	_____ mm _____ mm _____ mm _____ mm _____ mm	Tank diameter 230mm Tank length 550mm
General Comments & Suggested Location for Additional Air Tank		

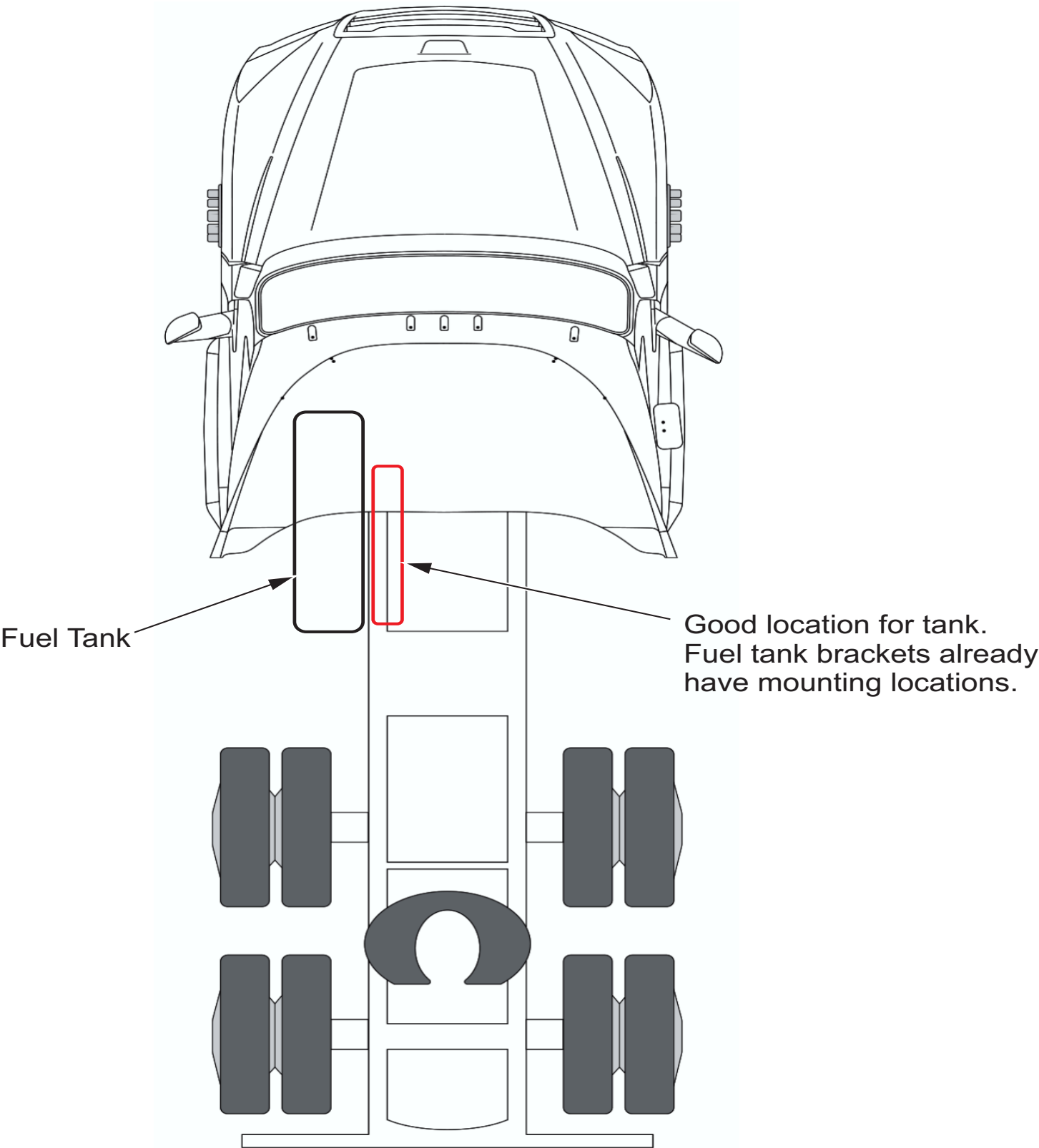
Example - FL815 Existing Air Tank Locations

Mark the location of the existing tanks on the diagram below. Label as Tank 1, Tank 2, etc.



Example - FL815 Additional or Replacement Air Tank Location

Mark the possible location for the additional or replacement tank on the diagram below.



FL815 Air Tank Inspection

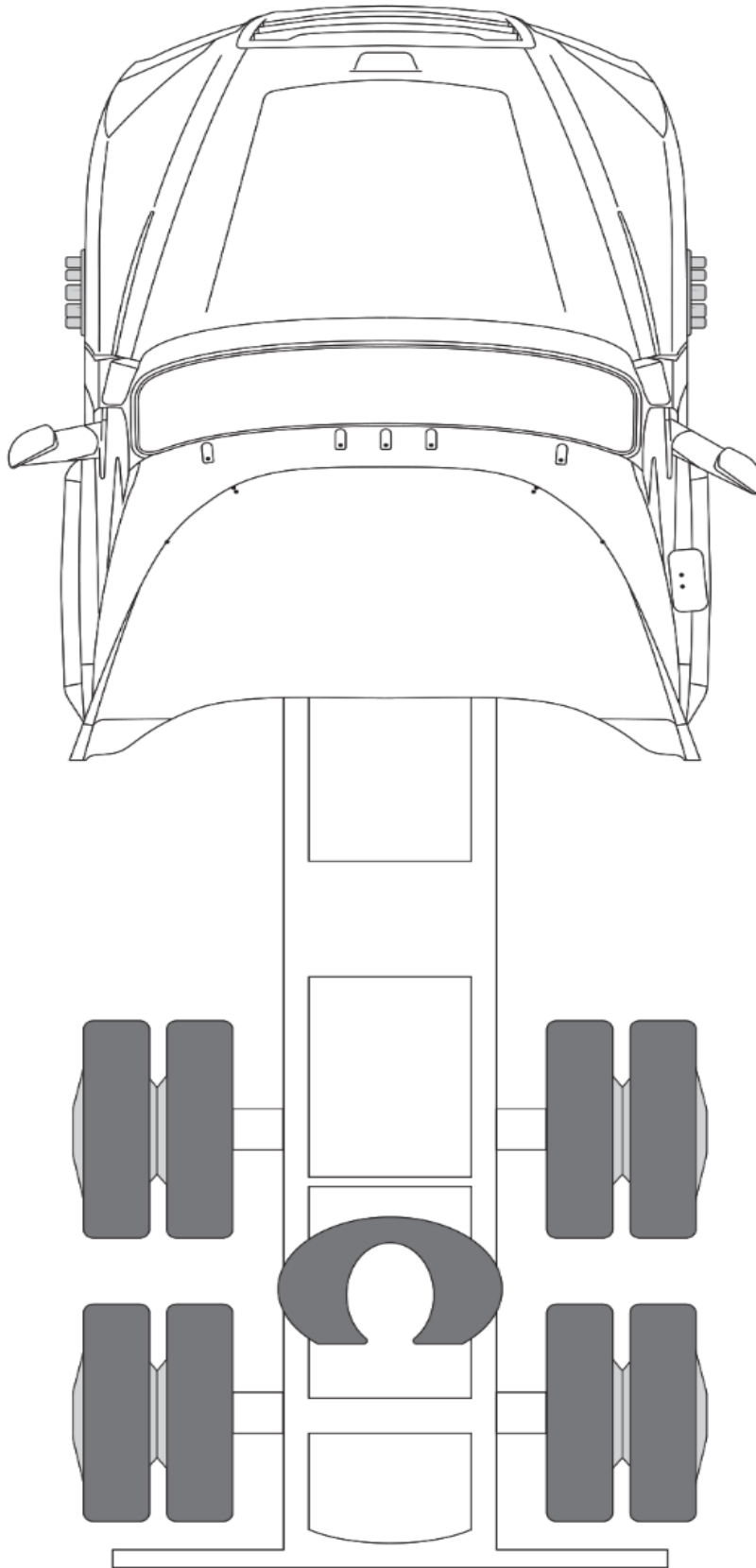
Customer/Truck Information		
Date:		
Truck:	Customer:	
	Make/Model:	
	Serial #:	
Air Tank Information		
Tank 1	Location & Measurements	Comments
Location Circle all that apply -->	- Right Hand Rail - Fuel Tank Mounted (F. 4) - Left Hand Rail - Under B-box Perpendicular (F. 5) - Inside Rail Parallel (F. 1) - Under B-box Torpedo (F. 3) - Perpendicular to Rail - Below Rail Torpedo (F. 2)	
Clearance Fwd:	_____ mm	
Clearance Aft:	_____ mm	
Clearance Inboard:	_____ mm	
Clearance Outboard:	_____ mm	
Clearance Above:	_____ mm	
Tank 2	Location & Measurements	Comments
Location Circle all that apply -->	- Right Hand Rail - Fuel Tank Mounted (F. 4) - Left Hand Rail - Under B-box Perpendicular (F. 5) - Inside Rail Parallel (F. 1) - Under B-box Torpedo (F. 3) - Perpendicular to Rail - Below Rail Torpedo (F. 2)	
Clearance Fwd:	_____ mm	
Clearance Aft:	_____ mm	
Clearance Inboard:	_____ mm	
Clearance Outboard:	_____ mm	
Clearance Above:	_____ mm	
Tank 3	Location & Measurements	Comments
Location Circle all that apply -->	- Right Hand Rail - Fuel Tank Mounted (F. 4) - Left Hand Rail - Under B-box Perpendicular (F. 5) - Inside Rail Parallel (F. 1) - Under B-box Torpedo (F. 3) - Perpendicular to Rail - Below Rail Torpedo (F. 2)	
Clearance Fwd:	_____ mm	
Clearance Aft:	_____ mm	
Clearance Inboard:	_____ mm	
Clearance Outboard:	_____ mm	
Clearance Above:	_____ mm	

FL815 Air Tank Inspection

Tank 4	Location & Measurements	Comments								
Location Circle all that apply -->	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">- Right Hand Rail</td> <td style="width: 50%; border: none;">- Fuel Tank Mounted (F. 4)</td> </tr> <tr> <td style="border: none;">- Left Hand Rail</td> <td style="border: none;">- Under B-box Perpendicular (F. 5)</td> </tr> <tr> <td style="border: none;">- Inside Rail Parallel (F. 1)</td> <td style="border: none;">- Under B-box Torpedo (F. 3)</td> </tr> <tr> <td style="border: none;">- Perpendicular to Rail</td> <td style="border: none;">- Below Rail Torpedo (F. 2)</td> </tr> </table>	- Right Hand Rail	- Fuel Tank Mounted (F. 4)	- Left Hand Rail	- Under B-box Perpendicular (F. 5)	- Inside Rail Parallel (F. 1)	- Under B-box Torpedo (F. 3)	- Perpendicular to Rail	- Below Rail Torpedo (F. 2)	
- Right Hand Rail	- Fuel Tank Mounted (F. 4)									
- Left Hand Rail	- Under B-box Perpendicular (F. 5)									
- Inside Rail Parallel (F. 1)	- Under B-box Torpedo (F. 3)									
- Perpendicular to Rail	- Below Rail Torpedo (F. 2)									
Clearance Fwd:	_____ mm									
Clearance Aft:	_____ mm									
Clearance Inboard:	_____ mm									
Clearance Outboard:	_____ mm									
Clearance Above:	_____ mm									
General Comments & Suggested Location for Additional Air Tank										

FL815 Existing Air Tank Locations

Mark the location of the existing tanks on the diagram below. Label as Tank 1, Tank 2, etc.



FL815 Additional or Replacement Air Tank Location

Mark the possible location for the additional or replacement tank on the diagram below.

