

April 2018
SF552A-C
Revised Notice

Subject: Medium Duty DD5 A/C Dryer Hardware Updates

Models Affected: Specific Freightliner Business Class M2 model vehicles manufactured February 17, 2016, through December 23, 2016, and equipped with MEDG DD5 engines.

General Information

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF552A-C to modify the vehicles mentioned above.

Certain vehicles need A/C dryer hardware and/or software updates for customer satisfaction or to meet current standards.

Brackets and hardware will be installed for the A/C dryer and/or outmoded software will be updated.

There are approximately 307 vehicles involved.

REVISIONS: The Parts Table and kit 25-SF552-001 have been corrected with Belt Tensioner Replacement part A9362002670. For questions concerning the SF552B certification label, the DDC contact has changed to Dan Moote at (313) 592-5690.

Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

Additional Repairs

Dealers must complete all outstanding 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.

Please contact Warranty Campaigns for consideration of additional charges prior to performing the repair.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR261).

Replacement Parts

Replacement parts are now available and can be obtained by ordering the kit number listed below from your facing Parts Distribution Center.

REVISIONS: The Parts Table and kit 25-SF552-001 have been corrected with Belt Tensioner Replacement part A9362002670. For questions concerning the SF552B certification label, the DDC contact has changed to Dan Moote at (313) 592-5690.

Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

If our records show your dealership has ordered any vehicle(s) involved in campaign SF552A-C, a list of the customers and vehicle identification numbers will be available in OWL. Please refer to this list when ordering parts for this campaign.

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Table 1 - Replacement Parts for SF552

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit
SF552A	25-SF552-000	A/C Line Bracket	A22-75200-000	1 ea
		Bolt (2 per)	N910105008022	2 ea
		A/C Line Bracket	22-75166-000	1 ea
		Bolts (2 per)	23-13345-020	2 ea
		Thermostat & Seals	A-936-200-315	1 ea
		27H 3/8" hose clamp	23-12691-010	1 ea
		23V 5/8" hose clamp	23-14385-000	1 ea
		Constant Torque Clamps	23-12485-200	1 ea
		Blank Completion Sticker	WAR260	1 ea
SF552B	25-SF552-001	A/C Dryer Bracket	A22-75092-000	1 ea
		Bolt (2 per)	23-13086-125	2 ea
		Nuts (2 per)	23-13861-108	2 ea
		A/C Line Bracket	A22-75200-000	1 ea
		Bolt (2 per)	N910105008022	2 ea
		A/C Line Bracket	22-75166-000	1 ea
		Bolt (2 per)	23-13345-020	2 ea
		Thermostat & Seals	A-936-200-0315	1 ea
		Alternator Belt Replacement	01-32732-317	1 ea
		Belt Tensioner Replacement	A 936 200 26 70	1 ea
		Battery Cable Bracket	A66-08778-000	1 ea
		27H 3/8" hose clamp	23-12691-010	1 ea
		23V 5/8" hose clamp	23-14385-000	1 ea
		Constant Torque Clamps	23-12485-200	1 ea
		WAR260	WAR260	1 ea
SF552C	25-SF552-002	A/C Dryer Bracket	A22-75092-000	1 ea
		Bolt (2 per)	23-13086-125	2 ea
		Nuts (2 per)	23-13861-108	2 ea
		A/C Line Bracket	A22-75200-000	1 ea
		Bolt (2 per)	N910105008022	2 ea
		A/C Line Bracket	22-75166-000	1 ea
		Bolt (2 per)	23-13345-020	2ea
		Thermostat & Seals	A-936-200-0315	1 ea
		Battery Cable Bracket	A66-08778-000	1 ea
		27H 3/8" hose clamp	23-12691-010	1 ea
		23V 5/8" hose clamp	23-14385-000	1 ea
		Constant Torque Clamps	23-12485-200	1 ea
		Blank Completion Sticker	WAR260	1 ea

Table 1

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.

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Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF552A	REPLACE A/C REFRIGERANT LINE BRACKET, THERMOSTAT AND SEALS	1.6	996-F001A	12-Repair Recall/Campaign
SF552B	REPLACE A/C REFRIGERANT LINE BRACKET, THERMOSTAT AND SEALS; REPLACE A/C DRYER BRACKET, BATTERY CABLE BRACKET, AND ALTERNATOR BELT/TENSIONER; UPDATE SOFTWARE; ORDER AND INSTALL CERTIFICATION LABEL	2.9	996-F001B	
SF552C	REPLACE A/C REFRIGERANT LINE BRACKET, THERMOSTAT AND SEALS; REPLACE A/C DRYER BRACKET AND BATTERY CABLE BRACKET	2.1	996-F001C	

Table 2

IMPORTANT: When the campaign has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the gray completion sticker provided in the field service kit (Form WAR261). 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 field service kit is not required or there is no completion sticker in the kit, write the campaign number on a blank sticker and attach it to the base completion label.

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:

- Claim type is **Field Service Campaign**.
- In the Campaign field, enter the campaign number and appropriate group (**SF552-A, SF552-B, etc.**).
- In the Primary Failed Part field, enter **25-SF552-000**.
- In the Parts section, enter the appropriate kit number(s) as shown in the Replacement Parts Table.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table. Administrative time will be included automatically as SRT 39-6010A for 0.3 hours.
- The VMRS Component Code is **001-001-234** and the Cause Code is **A1 - Campaign**.
- This Field Service Campaign will **terminate on February 28, 2019**. Dealers will be notified of any changes to the termination date via Important Campaign Information Letter posted on DTNACONNECT.com.

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

All claims must be submitted within 30 days of the repair and within 30 days of the termination date of the campaign. U.S. and Canadian Dealers: All excess inventory to be returned to the PDC following the conclusion of the campaign must be returned in resaleable condition to the Memphis PDC within 90 days from the termination date. Please submit a PAR to request return to the Memphis PDC. (Canadian dealers should return the kits to their facing PDC.) Export Distributors: Excess inventory is not returnable.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNACONNECT.com / WSC, or the Customer Assistance Center at (800) 385-4357, after normal business hours, if you have any questions or need additional information. Export distributors submit a Web inquiry or contact your International Service Manager.

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Copy of Notice to Owners

Subject: Medium Duty DD5 A/C Dryer Hardware Updates

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF552A-C to modify specific Freightliner Business Class M2 model vehicles manufactured February 17, 2016, through December 23, 2016, and equipped with MEDG DD5 engines.

Certain vehicles need A/C dryer hardware and/or software updates for customer satisfaction or to meet current standards.

Brackets and hardware will be installed for the A/C dryer and/or outmoded software will be updated.

There are approximately 307 vehicles involved.

Please contact an authorized Daimler Trucks North America dealer to arrange to have the campaign performed and to ensure that parts are available at the dealership. To locate an authorized dealer, search online at www.Daimler-TrucksNorthAmerica.com. On the menu tab, select "Contact," scroll down to "Find A Dealer," and select the appropriate brand. The campaign will take approximately one hour and will be performed at no charge to you.

This Field Service Campaign will **terminate on February 28, 2019**. Please make sure the campaign is completed prior to this date. Work completed after this date will be done at the customer's expense.

As stated in the terms of your express limited warranty, Daimler Trucks North America LLC will not pay for any damage caused by failure to properly maintain your vehicle. Daimler Trucks North America LLC considers the work necessary under this campaign to be proper maintenance and will, therefore, not pay for any damage to your vehicle caused by your failure to have the repairs that are the subject of this campaign performed in a reasonable time.

Contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357, after normal business hours, if you have any questions or need additional information.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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Work Instructions

Subject: Medium Duty DD5 A/C Dryer Hardware Updates

Models Affected: Specific Freightliner Business Class M2 model vehicles manufactured February 17, 2016, through December 23, 2016, and equipped with MEDG DD5 engines.

A/C Refrigerant Line Bracket Replacement—Populations A - C



To avoid injury from hot surfaces, wear protective gloves, or allow the engine to cool before removing any component.

REVISIONS: The Parts Table and kit 25-SF552-001 have been corrected with Belt Tensioner Replacement part A9362002670. For questions concerning the SF552B certification label, the DDC contact has changed to Dan Moote at (313) 592-5690.

Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

1. Check the base label (Form WAR259) for a completion sticker for SF552 (Form WAR261), indicating this work has been completed. The base label is usually located on the passenger-side door, about 12 inches (30 cm) below the door latch. If a completion sticker is present, no work is needed. If a completion sticker is not present, proceed to the next step.
2. Park the vehicle on a level surface, shut down the engine, and apply the parking brake. Chock the wheels.
3. Open the hood.
4. Disconnect the batteries.
5. If needed, remove the bumper. Refer to the *Business Class M2 Workshop Manual*, **Group 31**.
6. Drain the coolant. Refer to *GHG17 DD5 Workshop (DDC-SVC-MAN-0194)*, **6.2 Cooling System Drain Procedure**.

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7. Remove the A/C refrigerant line clamp bolt and nut. Retain the bracket, rubber isolators, bolt and nut. See [Fig. 1](#).

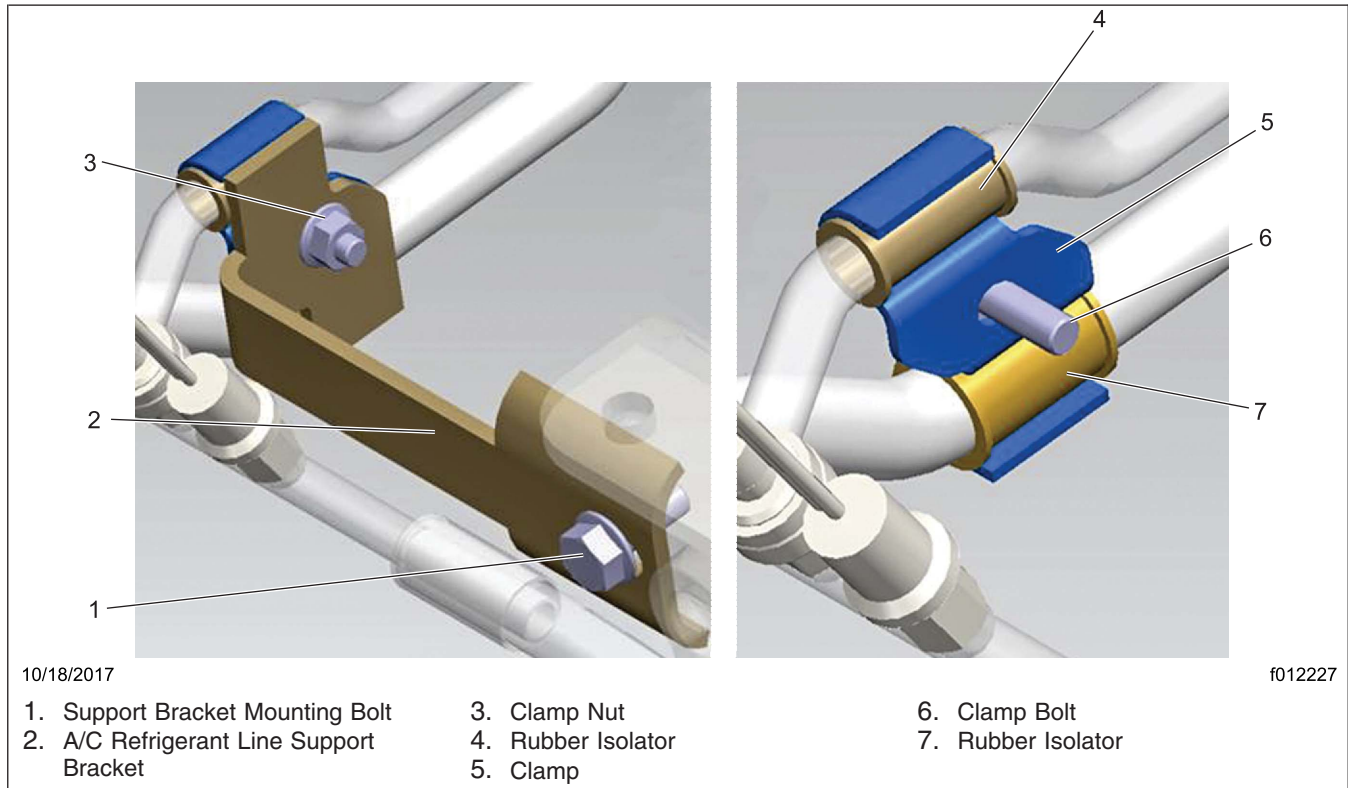


Fig. 1, A/C Refrigerant Line Clamp

8. Remove the A/C refrigerant line support bracket mounting bolt at the engine cooling package. Discard the A/C bracket and mounting bolt.
9. Remove the upper radiator hose at the thermostat housing.

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10. Remove the right side thermostat housing mounting bolts. See [Fig. 2](#). Discard the bolts.

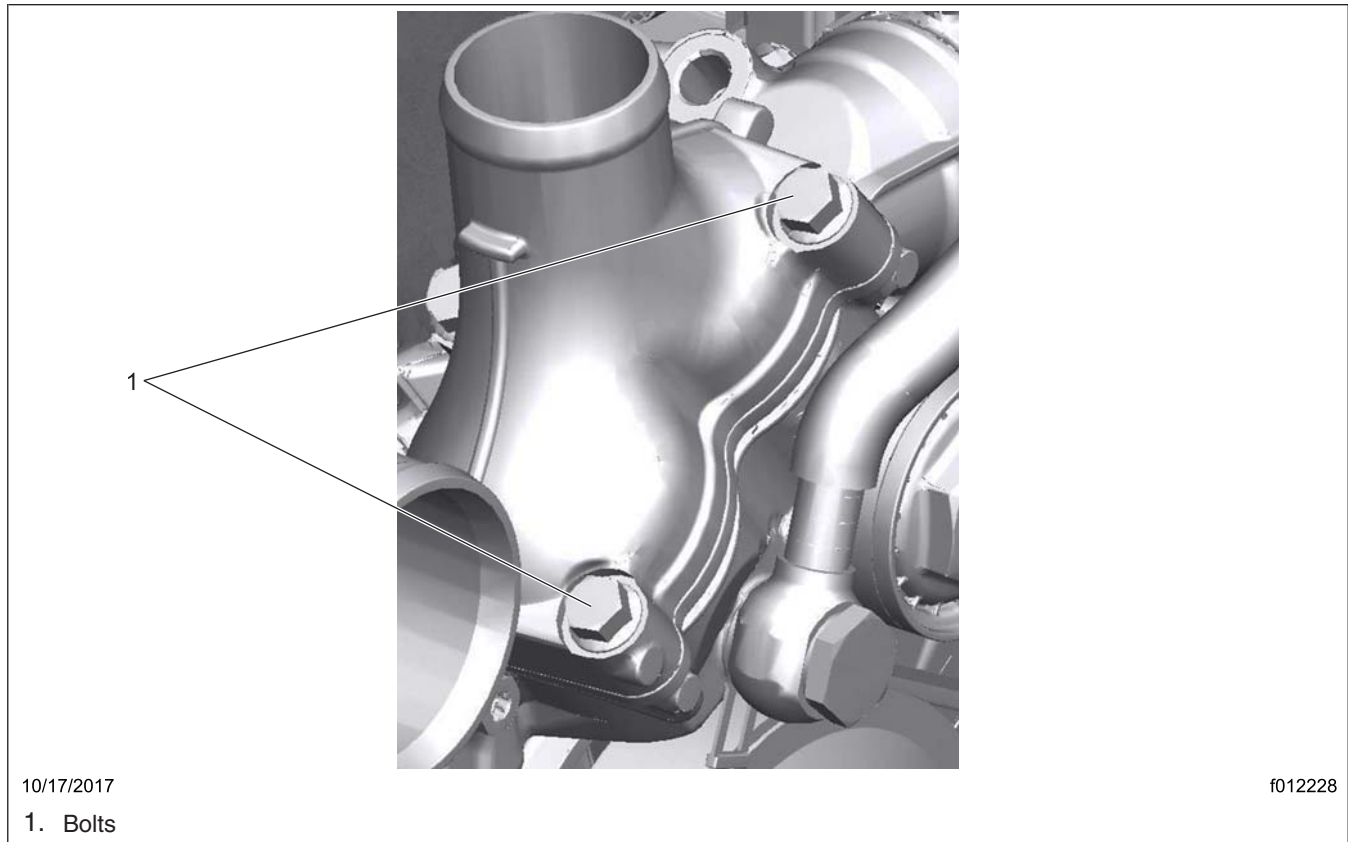


Fig. 2, Thermostat Housing Mounting Bolts, Right Side

11. Remove the remaining left side thermostat housing mounting bolt and retain it for installation.
12. Remove the thermostat housing and thermostat. Discard the thermostat.
13. Clean the oil coolant module and thermostat housing mounting surfaces.
14. Install the thermostat housing with a new thermostat in place, using only the original left side mounting bolt. Hand tighten the bolt.

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15. Install the new A/C refrigerant line lower support bracket and two new supplied mounting bolts. Hand tighten the bolts. See [Fig. 3](#).

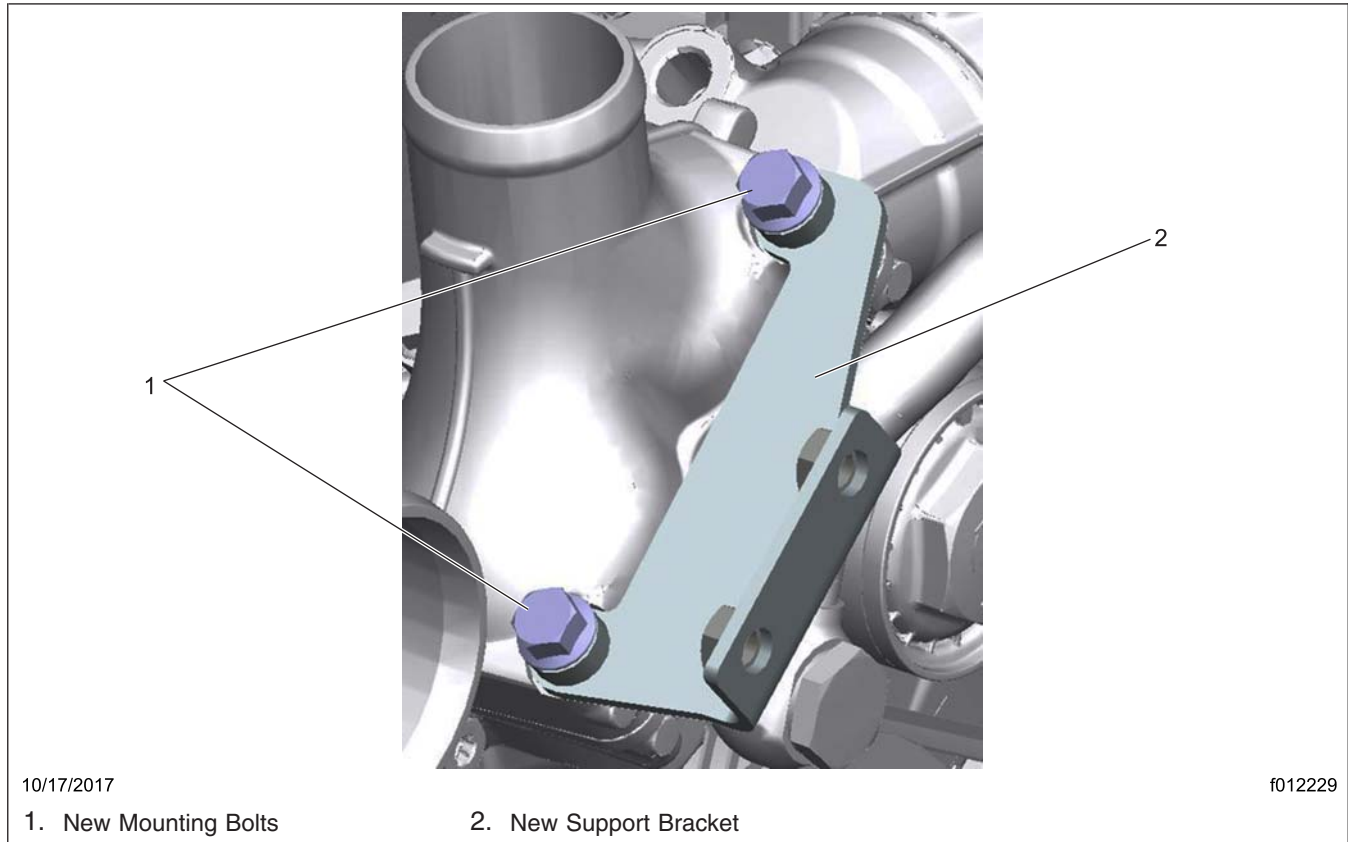


Fig. 3, A/C Refrigerant Line Lower Support Bracket Installation

16. Tighten the A/C refrigerant line lower support bracket mounting bolts and the thermostat housing bolt 15 lbf-ft (20 N·m).

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17. Install the new A/C refrigerant line upper support bracket with supplied mounting bolts. See **Fig. 4**. Hand tighten.

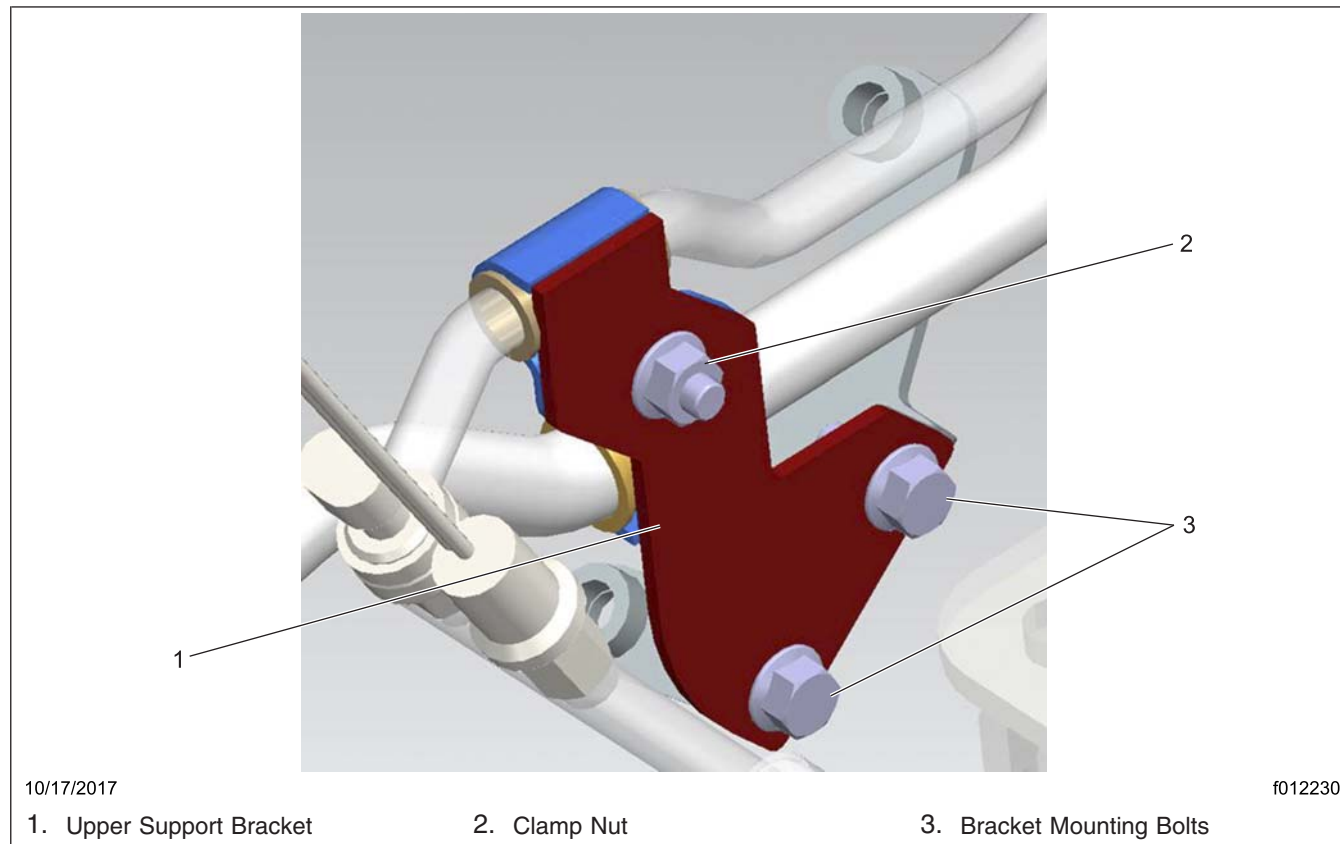


Fig. 4, A/C Refrigerant Line Upper Support Bracket Installation

18. With the rubber isolators and the bracket in the original location, install the original bolt and nut that secure the A/C refrigerant line clamp to the new A/C refrigerant line upper bracket. Hand tighten the fasteners.
19. Install the upper radiator hose at the thermostat housing.

NOTICE

The A/C refrigerant line clamp bolt must be held in place during the torque sequence, or damage to the A/C refrigerant lines may occur.

20. Tighten the A/C refrigerant line upper support bracket mounting bolts and line clamp nut to 15 lbf·ft (20 N·m).
21. Fill the cooling system. Refer to *GHG17 DD5 Workshop (DDC-SVC-MAN-0194)*, **6.3 Cooling System Fill Procedure**.
22. If removed, install the bumper. Refer to the *New Cascadia Workshop Manual*, **Section 31.02**.

CAUTION

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

23. For SF552B and SF552C, go to "A/C Dryer Mounting Replacement" below.
- For SF552A, connect the batteries and close the hood.

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24. For SF552A, no further work is needed. Clean a spot on the base label (Form WAR259). Write the campaign number, SF552, on a blank gray completion sticker (Form WAR261) to indicate the work has been completed and attach it to the base label.

A/C Dryer Mounting Replacement—SF552B and SF552C

REVISIONS: The Parts Table and kit 25-SF552-001 have been corrected with Belt Tensioner Replacement part A9362002670. For questions concerning the SF552B certification label, the DDC contact has changed to Dan Moote at (313) 592-5690.

Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

1. Remove the mounting nuts from the A/C dryer and position the A/C dryer aside. Retain the nuts for installation. See [Fig. 5](#).

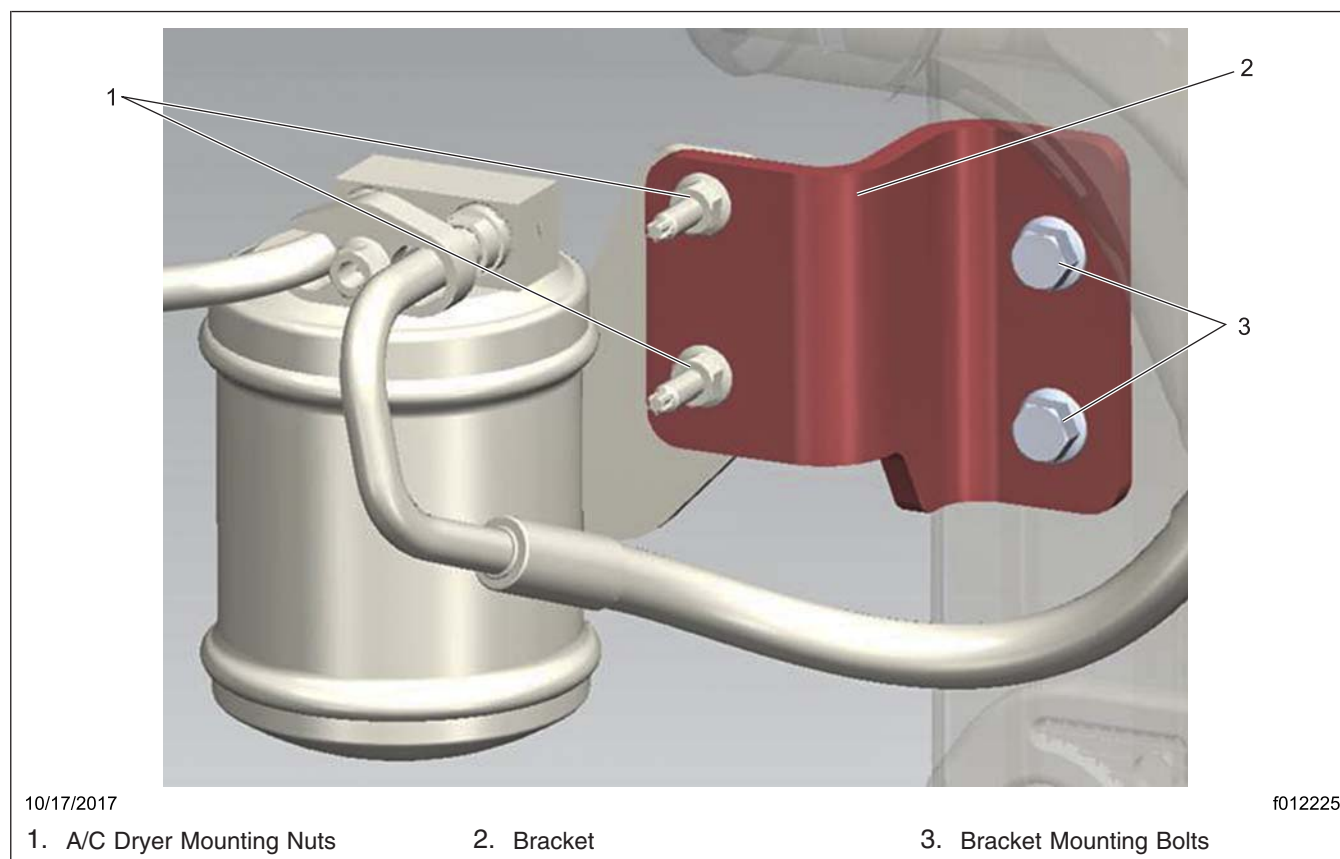


Fig. 5, Old A/C Dryer Mounting

2. Remove the mounting bolts that secure the A/C dryer mounting bracket to the engine cooling package. Discard the A/C dryer mounting bracket and mounting bolts.

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3. Place the A/C dryer mounting studs through the new A/C dryer bracket while aligning the new A/C dryer bracket to the frame. See **Fig. 6**.

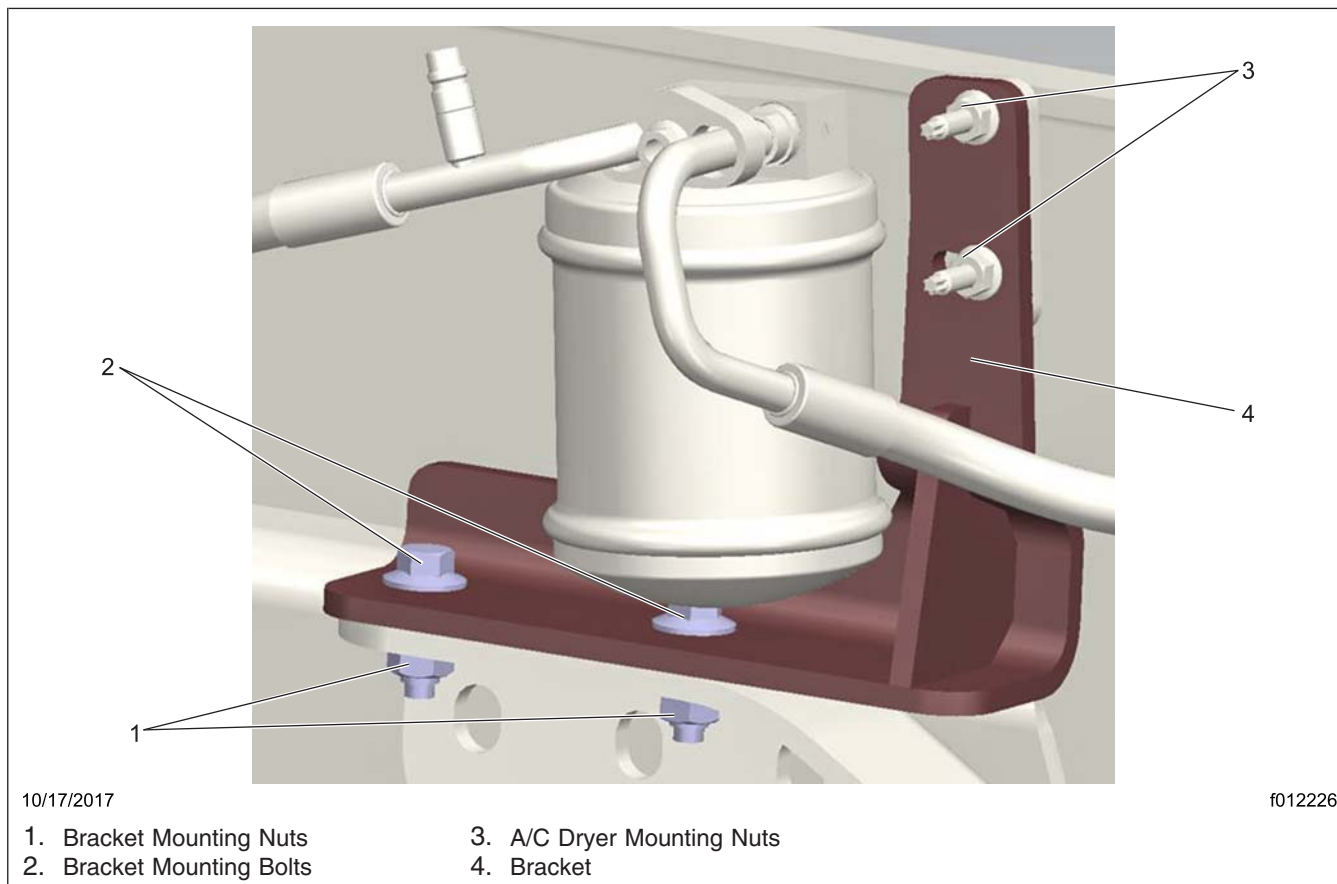


Fig. 6, New A/C Dryer Mounting

4. Install the new A/C dryer support bracket with the supplied bolts and nuts. Hand tighten the fasteners.
5. With the new A/C dryer bracket installed verify it is mounted parallel with the frame rails, then tighten the fasteners 30 lbf-ft (40 N·m).
6. Install the A/C dryer mounting nuts. Tighten the nuts 15 lbf-ft (20 N·m).
7. Go to "Starter Cable Replacement" following.

Starter Cable Replacement—SF552B and SF552C

Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

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1. With the batteries disconnected, remove the cable clamp from the forwardmost starter-cable bracket. See **Fig. 7**.

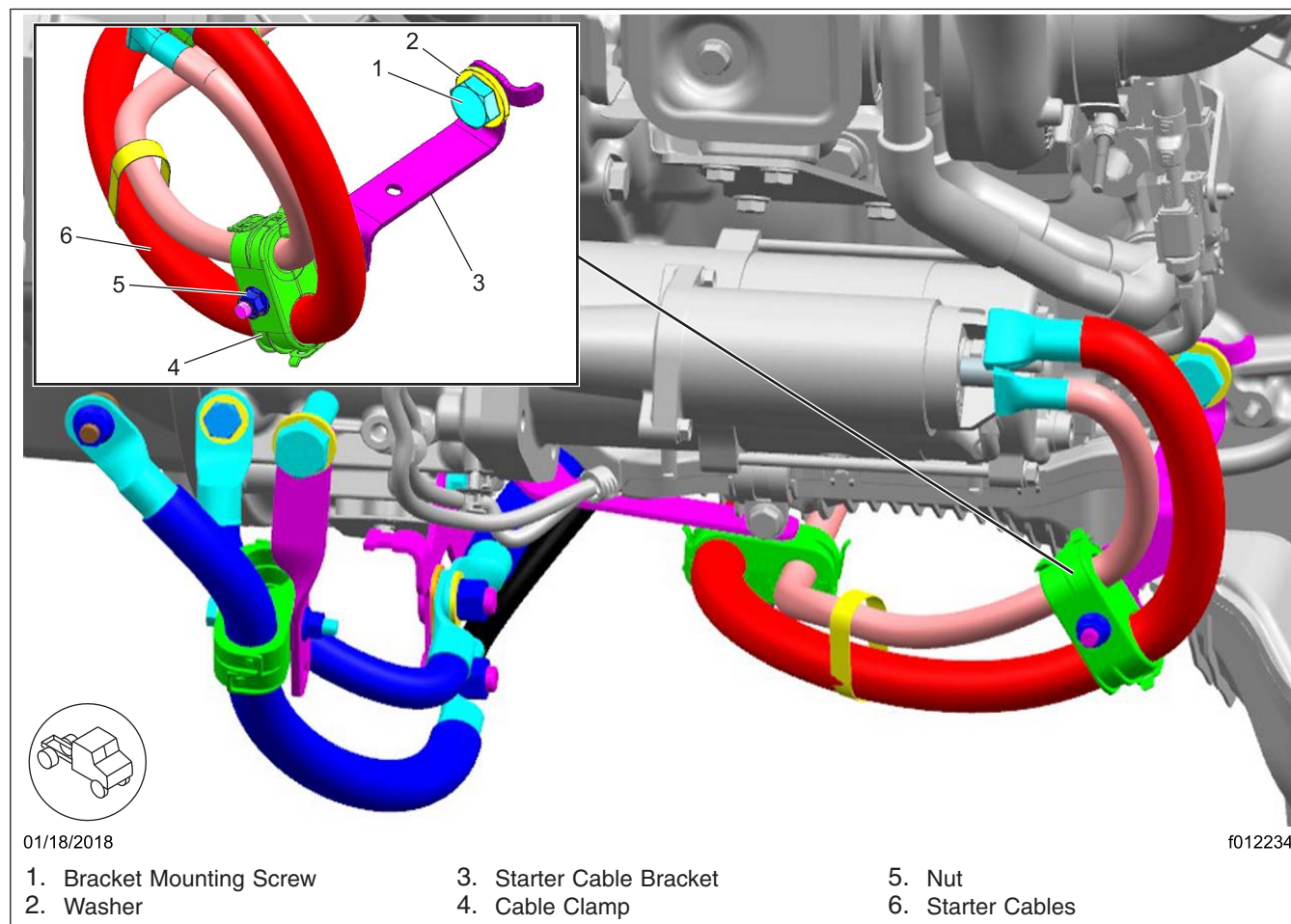


Fig. 7, Starter Cable Bracket Installation

2. Remove the forwardmost starter-cable bracket from the engine block.
3. Install the new bracket.
4. Install the cable clamp on the bracket.

CAUTION

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

5. For SF552B, go to "Alternator Belt and Belt Tensioner Replacement" following.
For SF552C, connect the batteries and close the hood.
6. For SF552C, nothing further needs to be done. Clean a spot on the base label (Form WAR259). Write the campaign number, SF552, on a blank gray completion sticker (Form WAR261) to indicate the work has been completed and attach it to the base label.

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Alternator Belt and Belt Tensioner Replacement—SF552B

REVISIONS: The Parts Table and kit 25-SF552-001 have been corrected with Belt Tensioner Replacement part A9362002670. For questions concerning the SF552B certification label, the DDC contact has changed to Dan Moote at (313) 592-5690.

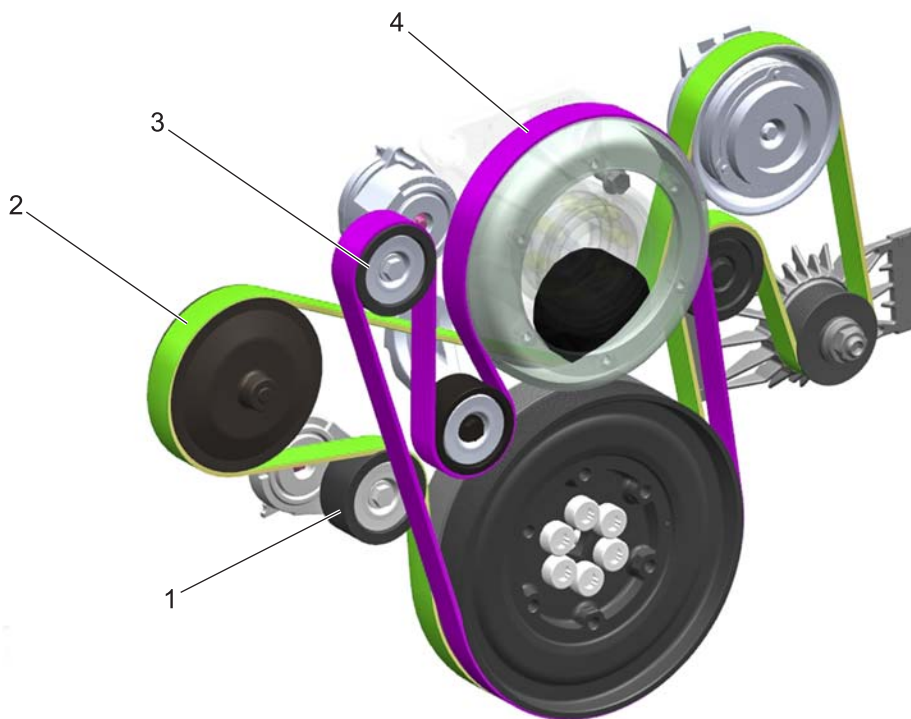
Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

WARNING

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

To avoid injury to hands and fingers from the spring-loaded auto belt tensioner violently snapping back, do not cut the belt to remove it.

1. Disconnect the batteries, if not already disconnected.
2. Open the hood.
3. If needed, remove the bumper end(s).
4. Using the guide pulley mounting bolt on the fan drive belt tensioner, rotate the assembly counterclockwise and hold to relieve tension. See [Fig. 8](#).



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- | | |
|-----------------------------------|-----------------------------|
| 1. Accessory Drive Belt Tensioner | 3. Fan Drive Belt Tensioner |
| 2. Accessory Drive Belt | 4. Fan Drive Belt |

Fig. 8, Alternator Belts and Belt Tensioners

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5. While tension is relieved, insert a 1/4-inch (7 mm) pin into the locking hole of the fan drive belt tensioner housing.
6. Slide the fan drive belt off.
7. Using the guide pulley mounting bolt on the accessory drive belt tensioner, rotate the assembly clockwise and hold to relieve tension.
8. While tension is relieved, insert a 1/4-inch (7 mm) pin into the locking hole of the accessory drive belt tensioner housing.
9. Slide the accessory drive belt off and discard it.
10. Remove the mounting bolt from the accessory drive belt tensioner, then remove the belt tensioner and discard it.
11. Install the new accessory drive belt tensioner. Tighten the mounting bolt 37 lbf-ft (50 N-m).
12. Slide the new accessory drive belt into place and release tension on the accessory drive belt tensioner.
13. Use the guide pulley mounting bolt on the accessory drive belt tensioner to rotate the assembly clockwise and hold to relieve tension. Remove the locking pin.
14. Slide the fan drive belt into place and release tension on the fan drive belt tensioner.
15. Use the guide pulley mounting bolt on the fan drive belt tensioner to rotate the assembly clockwise and hold to relieve tension. Remove the locking pin.
16. If needed, install the bumper end(s).
17. Connect the batteries.
18. Close the hood.
19. Go to "Software Update" following.

Software Update—SF552B

Vehicles in SF552B require a software update and certification label. Immediately contact your Detroit Diesel, District Service Manager (DSM) or National Account Manager (NAM), to coordinate receipt of the certification label. For questions concerning the certification label, call Dan Moote at (313) 592-5690.

NOTE: You **must** use DiagnosticLink® Professional 8.06 with Service Pack 2 (or higher) when reprogramming.

1. Connect DiagnosticLink to the vehicle. Make sure that all the modules (ACM, CPC, and MCM,) are connected.

NOTE: Before you begin reprogramming, make sure the VIN is correct in all modules (ACM, CPC, and MCM). If the VIN is not correct in all modules, you will get an error message when attempting to reprogram.

2. Make sure the VIN is correct in all modules (ACM, CPC, and MCM) by looking at the "Identification" screen in DiagnosticLink. If the VIN is not correct in all modules, you can correct the VIN under the Actions drop-down menu in DiagnosticLink by selecting "Check VIN Synchronization." Select "Start" from this panel and follow the prompts. You will be prompted to cycle the key until the routine has completed. When synchronization is complete, turn the key back on and continue with the download process.
3. On the Identification screen, check the current MCM and ACM software and fuel map level. Listed below are the **minimum** levels required. See [Fig. 9](#) for an example of the Identification screen for the MCM and ACM.
 - MCM **9.1.2.3 software** and fuel map version **ZGS 004**
 - ACM **9.57.1 software** and fuel map version **ZGS 001**

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4. Is the software level for the MCM and ACM equal to or higher than the software levels listed in step 3? Both modules must meet the **minimum** requirements. For the example in **Fig. 9**, MCM software 9.1.2.2 and ACM software 9.54.0.0 are both less than the minimum levels of 9.1.2.3 and 9.57.1.0, thus programming is required regardless of the fuel map ZGS version.

If Yes, proceed to step 5.

If No, proceed to step 6.

DiagnosticLink - Professional - Offline ((1FVACWFB9HHHZ1043) 2-1-2017 0822:141)

File Edit View Log Parameters Actions Tools Help

Identification Engine: DDEC16-DD5

Common Audit Trail Stored Data Rating Engine Totals

- MCM21T - Motor Control Module 2.1

Device Configuration

Fuelmap Part Number	A042 448 26 35 ZGS 001
Fuel Map Description	R_M9122_CSL006S103
Certification Number	934LA_17a_210/575
Software Mode	Running in Application
Rating Code	A0424482635
Application Code	06N04C1702
Application Code Part Number	A0514473035_002

Device Information

Software Version	9.1.2.2
Diagnostic Version	211
ECU Serial Number	0044230527
Hardware Part Number	A001 446 66 35 ZGS 002
Software Part Number	A040 448 09 35 ZGS 001

OBD

Calibration ID	19122C60F0DD05CI
Calibration Verification Number	53829F6E

Vehicle Identification

VIN	1FVACWFB9HHHZ1043
Engine Serial Number	934912C0059565
Engine Type	DD5

- ACM21T - Aftertreatment Control Module 2.1

Device Configuration

Fuelmap Part Number	A016 448 45 54 ZGS 001
Certification Number	
Software Mode	Running in Application
Application Code	06N04C1721
Application Code Part Number	A0514474654_001

Device Information

Software Version	9.54.0.0
Diagnostic Version	44
ECU Serial Number	08734401
Hardware Part Number	A000 446 59 54 ZGS 002
Software Part Number	A017 448 17 54 ZGS 001

Logged Connections (paused)

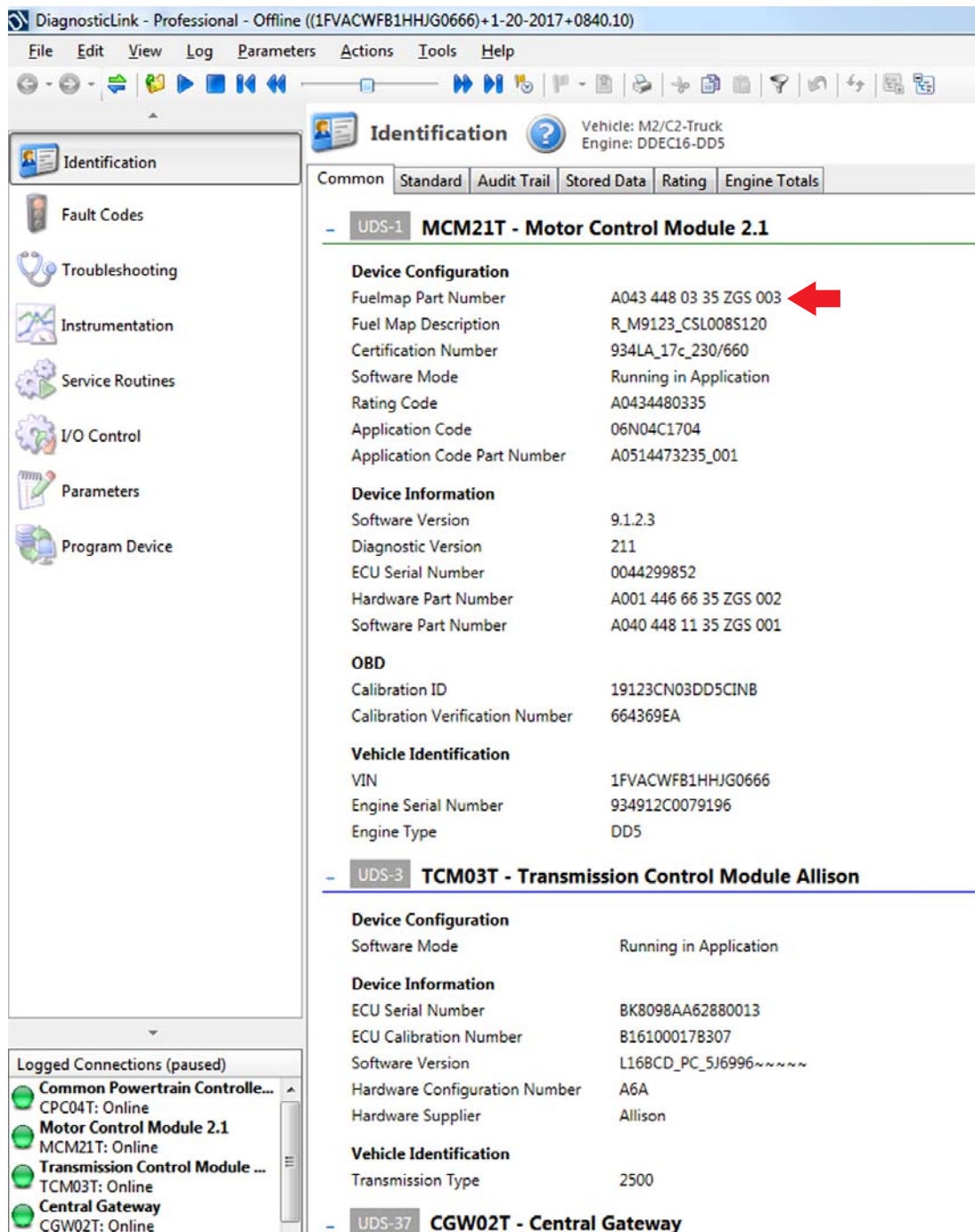
- Common Powertrain Controller 4 CPC04T: Online
- Motor Control Module 2.1 MCM21T: Online
- Aftertreatment Control Module ... ACM21T: Online

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Fig. 9, DiagnosticLink Identification Screen

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5. Is the fuel map ZGS version level for the MCM and ACM equal to or higher than the levels listed in step 3? The MCM and ACM fuel map ZGS version levels must meet the **minimum** requirements. For example in [Fig. 10](#), the MCM software level meets the minimum required of 9.1.2.3, but the fuel map ZGS version level 003 is less than the minimum level of 004, and thus would require programming.
If Yes, proceed to step 11.
If No, proceed to step 6.



DiagnosticLink - Professional - Offline ((1FVACWFB1HHJG0666)+1-20-2017+0840.10)

File Edit View Log Parameters Actions Tools Help

Identification

Vehicle: M2/C2-Truck
Engine: DDEC16-DD5

Common Standard Audit Trail Stored Data Rating Engine Totals

UDS-1 MCM21T - Motor Control Module 2.1

Device Configuration

Fuelmap Part Number	A043 448 03 35 ZGS 003
Fuel Map Description	R_M9123_CSL008S120
Certification Number	934LA_17c_230/660
Software Mode	Running in Application
Rating Code	A0434480335
Application Code	06N04C1704
Application Code Part Number	A0514473235_001

Device Information

Software Version	9.1.2.3
Diagnostic Version	211
ECU Serial Number	0044299852
Hardware Part Number	A001 446 66 35 ZGS 002
Software Part Number	A040 448 11 35 ZGS 001

OBD

Calibration ID	19123CN03DD5CIN8
Calibration Verification Number	664369EA

Vehicle Identification

VIN	1FVACWFB1HHJG0666
Engine Serial Number	934912C0079196
Engine Type	DD5

UDS-3 TCM03T - Transmission Control Module Allison

Device Configuration

Software Mode	Running in Application
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Device Information

ECU Serial Number	BK8098AA62880013
ECU Calibration Number	B161000178307
Software Version	L16BCD_PC_5J6996~~~~~
Hardware Configuration Number	A6A
Hardware Supplier	Allison

Vehicle Identification

Transmission Type	2500
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UDS-37 CGW02T - Central Gateway

Logged Connections (paused)

- Common Powertrain Controlle...
 - CPC04T: Online
- Motor Control Module 2.1
 - MCM21T: Online
- Transmission Control Module ...
 - TCM03T: Online
- Central Gateway
 - CGW02T: Online

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Fig. 10, DiagnosticLink Identification Screen (with less than the minimum required ZGS version level)

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6. Select the “Program Device” option on the left side of the DiagnosticLink screen.
7. Select the “Add” button in the upper right corner of the DiagnosticLink screen and enter the engine serial number. Then click the “Connect to Server” button in the bottom right corner of the DiagnosticLink screen. See [Fig. 11](#).

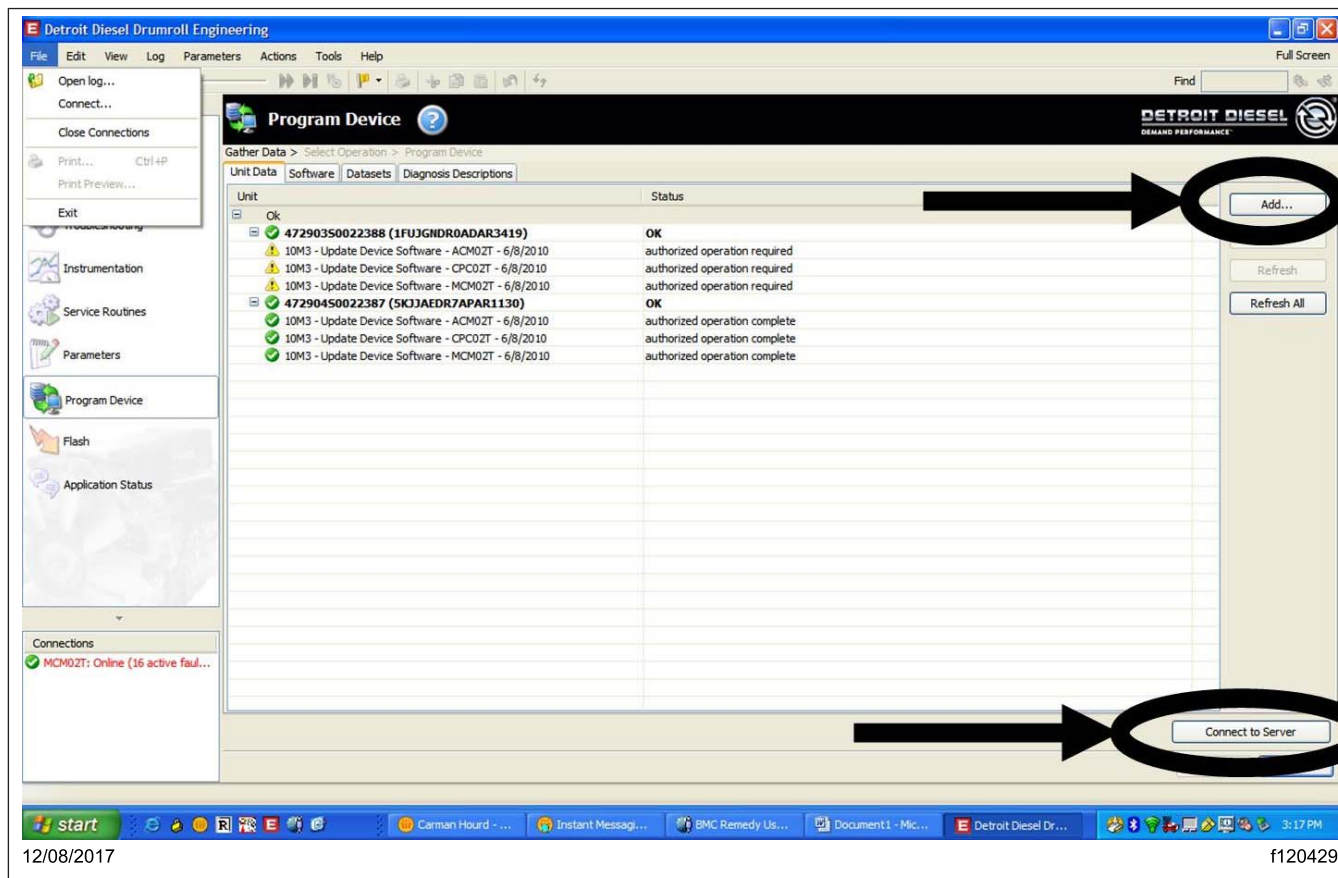


Fig. 11, Adding Engine Serial Number And Connecting To Server

8. Program the MCM, ACM, or both if necessary.
9. When programming is complete, click the “Finish” button and perform the following to allow the modules to synchronize with each other:
 - 9.1 Turn the vehicle ignition OFF, disconnect the USB Link at either the computer port or vehicle diagnostic port, and wait one minute.
 - 9.2 Turn the vehicle ignition ON and wait one minute.
 - 9.3 Turn the vehicle ignition OFF and wait one minute.
 - 9.4 Turn the vehicle ignition ON and wait one minute.
 - 9.5 Reconnect the USB Link, reconnect DiagnosticLink to the MCM and ACM, and confirm the proper software and fuel map levels.
10. Ask the customer if they would like Auto Elevate activated. Auto Elevate can prevent Aftertreatment System (ATS) issues. Refer to **Detroit Technical Service Letter 16 TS-18** for full details on Auto Elevate.
11. Install the new engine certification label.
12. Clean a spot on the base label (Form WAR259). Write the campaign number, SF552, on a blank gray completion sticker (Form WAR261) to indicate the work has been completed and attach it to the base label.