



Spartan Fire, LLC

Technical Service Bulletin
TSB24-160-001

DATE: 5/23/2024

APPLIES TO: This service bulletin applies to certain 2024 model year, Gladiator, Metro Star, and KME Panther model emergency response chassis cabs built between November 22, 2023 and February 22, 2024.

CONDITION: A/C compressor clutch center bolt may loosen due to improper torque during assembly.

CORRECTION: Retorque A/C compressor clutch center bolt

LABOR ALLOCATION: 0.5 hour

CLASSIFICATION: T3

GENERAL INSTRUCTIONS:

Thoroughly review entire service bulletin before starting work. If there are questions or concerns with steps defined in this service bulletin, contact Spartan Fire, LLC. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



Spartan Fire, LLC

Technical Service Bulletin
TSB24-160-001

Step By Step Instructions

- 1) Secure components in cab before tilting cab to prevent loose objects from traveling forward and potentially damaged the windshield.
- 2) Press master/ignition rocker switch up to the first detent for master only. *See Figure 2.1*



Figure 2.1

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



Spartan Fire, LLC

Technical Service Bulletin
TSB24-160-001

- 3) Using the cab tilt pendant to raise the cab until the cab lock bar falls into place.
Figure 3.1

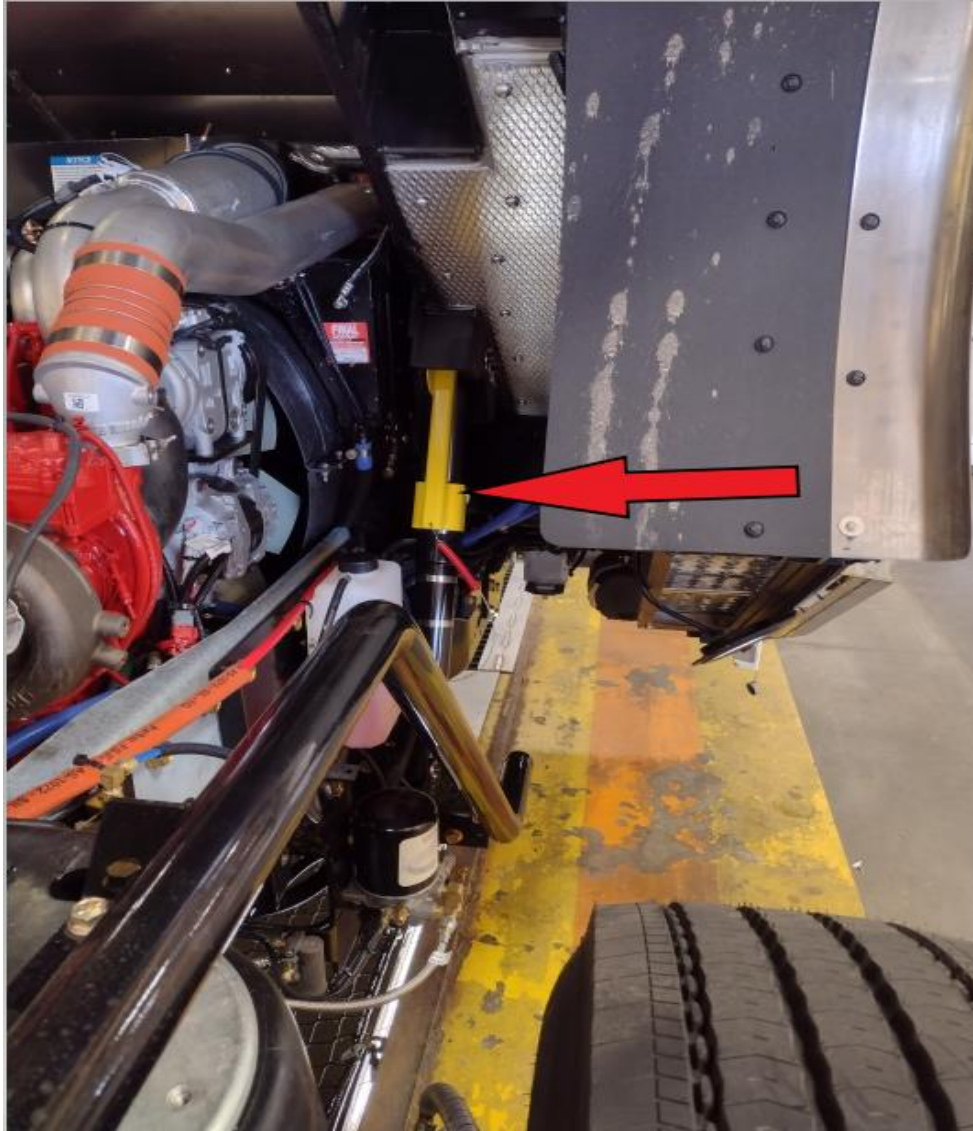


Figure 3.1

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



Spartan Fire, LLC

Technical Service Bulletin
TSB24-160-001

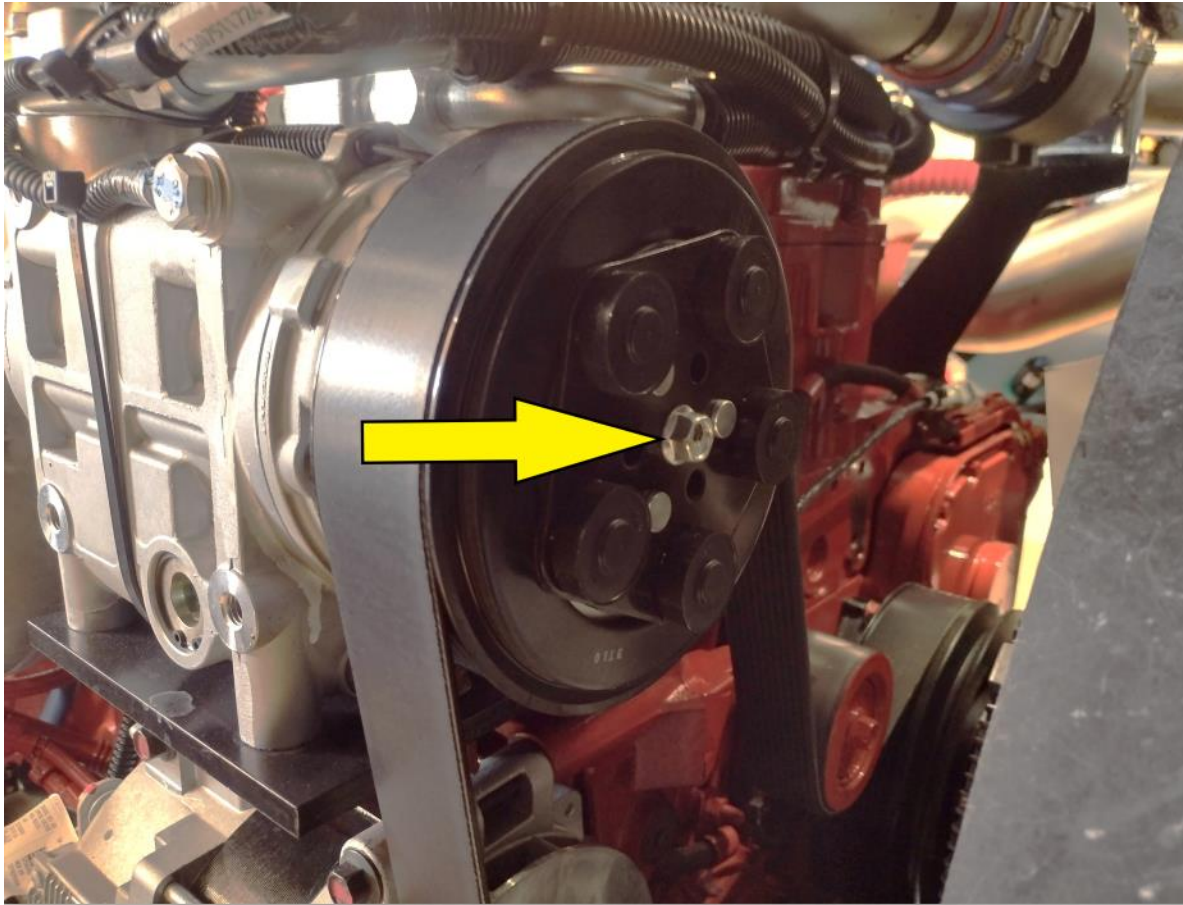
- 4) Once the cab is raised and the lock bar on the cylinder is secure, locate the a/c compressor at the front right side of the engine. *See Figure 4.1*



Figure 4.1

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.

- 5) Locate bolt in center of a/c compressor clutch assembly. *See Figure 5.1*



See Figure 5.1

- 6) With a calibrated torque wrench, check the torque of the center bolt.
Torque Specification: 14-16 lb-ft (20-22 Nm).

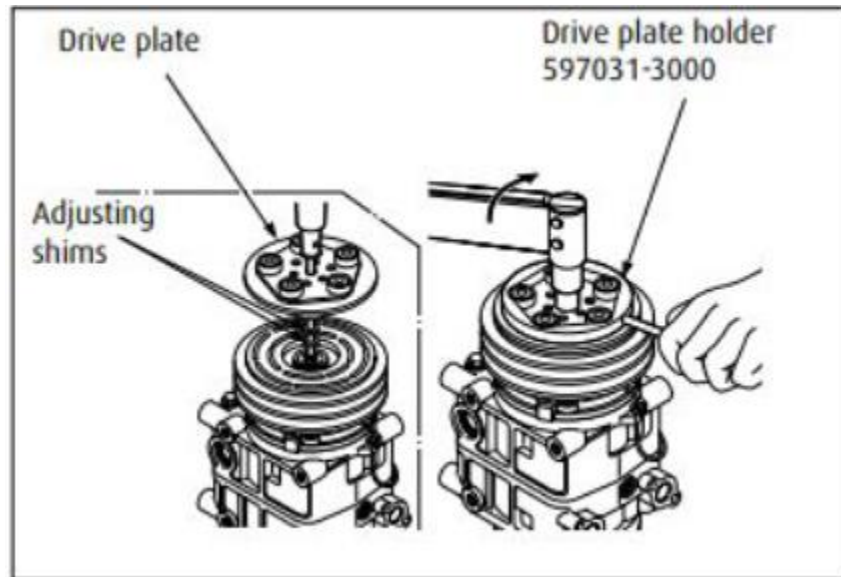
Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



Spartan Fire, LLC

Technical Service Bulletin
TSB24-160-001

- 7) If needed, a drive plate holder (part number 597031-3000) can be used to hold armature while torquing the bolt. *See Figure 6.1*



See Figure 6.1

- 8) Once bolt torque has been verified and retorqued if needed, rotate the pulley to ensure proper movement is present.
- 9) Lower the cab and turn the master switch turned off.

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.