



# Spartan Fire, LLC

Technical Service Bulletin  
TSB23-260-001

**DATE:** 12/11/2023

**APPLIES TO:** This service bulletin applies to certain 2008 through 2024 model year, Gladiator, Metro Star, FC-94, KME Predator, KME Panther, Metro Star-RT, Metro Star X and Spartan Force model emergency response chassis cabs built between May 6, 2008 and August 31, 2023.

**CONDITION:** Power steering fluid level sensor could exhibit leaks where sensor seals against power steering reservoir.

**CORRECTION:** Replace current power steering level sensor with improved design sensor.

**LABOR ALLOCATION:** 1 hour

**CLASSIFICATION:** T3

## **PARTS NEEDED:**

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	1798-GG3-001	Power Steering Level Sensor
1		567 Loctite Thread Sealant

## **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.

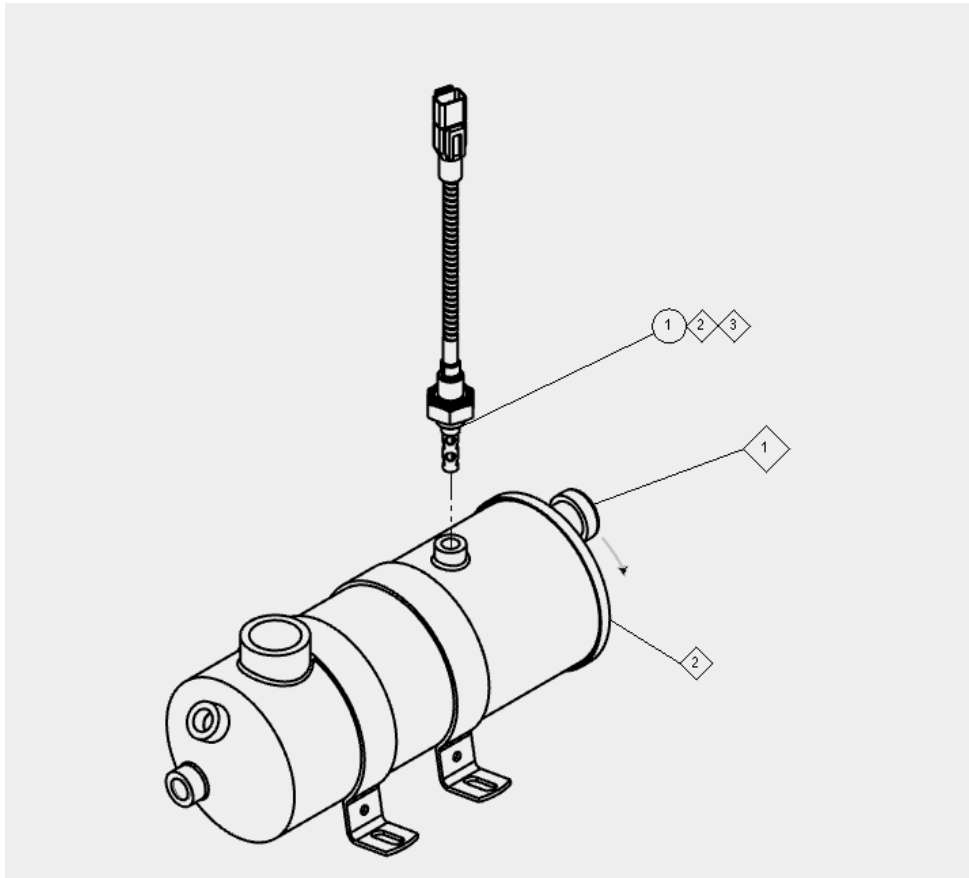
## Step By Step Instructions

- 1) Tilt cab following normal operating procedures to access engine compartment.
- 2) Locate power steering reservoir on driver's side of engine.
- 3) Insert drain pan beneath power steering reservoir to collect fluid that will drain out when power steering level sensor is removed.
- 4) Disconnect electrical connector at the power steering level sensor.
- 5) Remove power steering level sensor from reservoir and dispose of. See Figure 2.1 and 3.1



**Figure 2.1**

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**Figure 3.1**

- 6) Clean threads where power steering level sensor threads into reservoir bung.
- 7) Ensure new sensor part number 1798-GG3-001 is equipped with the proper o-ring placement.
- 8) Apply 567 Loctite thread sealant to approximately 5 threads in from end of sensor.
- 9) Thread new sensor into boss and tighten to **35 in. lbs.**
- 10) Apply a clocking mark to sensor hex and reservoir housing bung for detection of any loosening in the future.
- 11) Connect new sensor connector to vehicle harness connector.
- 12) Fill power steering reservoir with power steering fluid to full line on dipstick.
- 13) Start engine and run for 1 minute to purge any air from system.
- 14) Recheck level and top off as necessary.
- 15) Lower cab following prescribed procedure for safely lowering cab.

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