



RV CHASSIS  
A Shyft Group Brand

1000 Reynolds Road, Charlotte, MI 48813 | P: 517.543.6400  
SPARTANRVCHASSIS.COM

## Technical Service Bulletin TSB22-260-003

**DATE:** September 23, 2022

**APPLIES TO:** This service bulletin applies to 2017 Through 2023 model year, K2 motor home chassis built between August 22, 2016 and September 13, 2022.

**CONDITION:** Certain units equipped with Cummins L9 engine may overheat with extended idle time

**CORRECTION:** Replace hydraulic pump

**LABOR ALLOCATION:** 4 hours

**CLASSIFICATION:** T3

**PARTS NEEDED:**

|                                   | <u>QTY</u> | <u>Part Number</u> | <u>Description</u>                                     |
|-----------------------------------|------------|--------------------|--------------------------------------------------------|
| <b>Kit # S-2763-001 Contains:</b> | 1 EA       | S-2763-001         | Kit – STRG pump, K2                                    |
|                                   | <u>QTY</u> | <u>Part Number</u> | <u>Description</u>                                     |
|                                   | 1 EA       | 2312-FF1-002       | Pump, fan & steering 56cc viton, 25L STRG, with gasket |
|                                   | 1EA        | TSB22-260-003      | Work instructions                                      |

### **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 RV Chassis 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.



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**STEP-BY-STEP INSTRUCTIONS:**



**MAKE SURE ENGINE IS OFF, KEY IS OUT OF THE IGNITION, AND THE VEHICLE IS TAGGED NOT TO START/OPERATE, FOR YOUR SAFETY.**

**ALLOW HYDRAULIC SYSTEM TEMPERATURE TO COOL BEFORE STARTING WORK.**

**WHEN BREACHING THE HYDRAULIC SYSTEM, BE SURE TO NOT LET ANY CONTAMINANTS SUCH AS DIRT, DEBRIS, ETC. TO ENTER THE SYSTEM. CONTAMINANTS MAY CAUSE FAILURE OF THE HYDRAULIC SYSTEM.**

1. Remove vented fill cap from hydraulic tank and install a tapered rubber plug, this will keep most of the hydraulic fluid in the tank as you remove lines in the following steps. See Figure 1.



Figure 1

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2. Remove the power steering pump support bracket from the pump and engine block by removing bolts 1 & 2. See Figure 2 for reference.

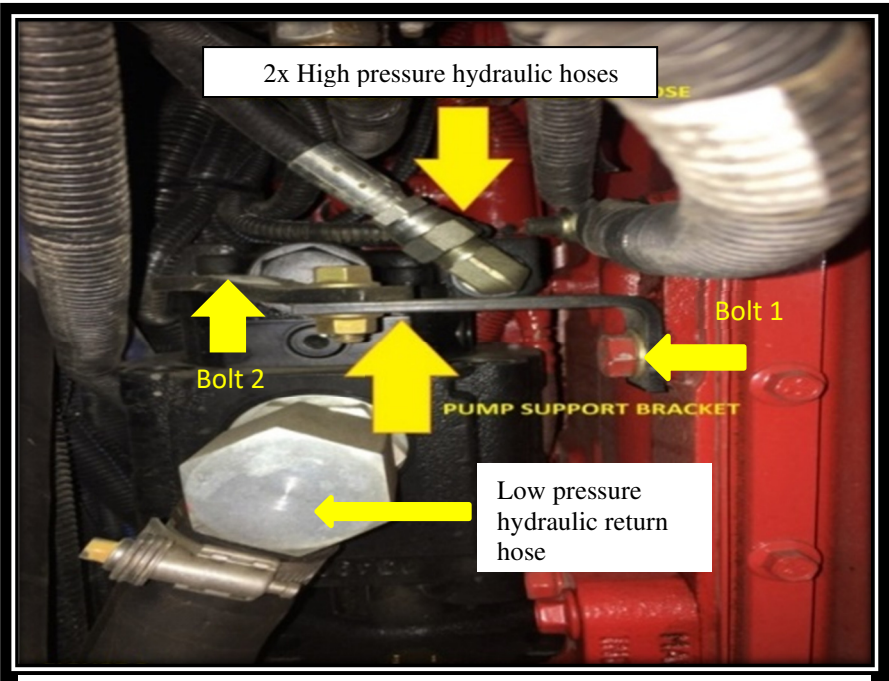


Figure 2

3. Have a drain pan ready and remove qty (2) high pressure hoses and cap off to prevent contaminants from entering system. See Figure 2 and Figure 4 for reference.
4. Remove low pressure hose and plug off to prevent contaminants from entering system. See Figure 2 for reference.
5. Remove the two pump mounting bolts and remove pump. See Figure 3 for reference.
6. Mark orientation of fittings before removal to ensure hoses fit correctly when re-installed. Remove qty (2) high and qty (1) low pressure fittings from pump, clean and inspect fittings before installing in new pump.

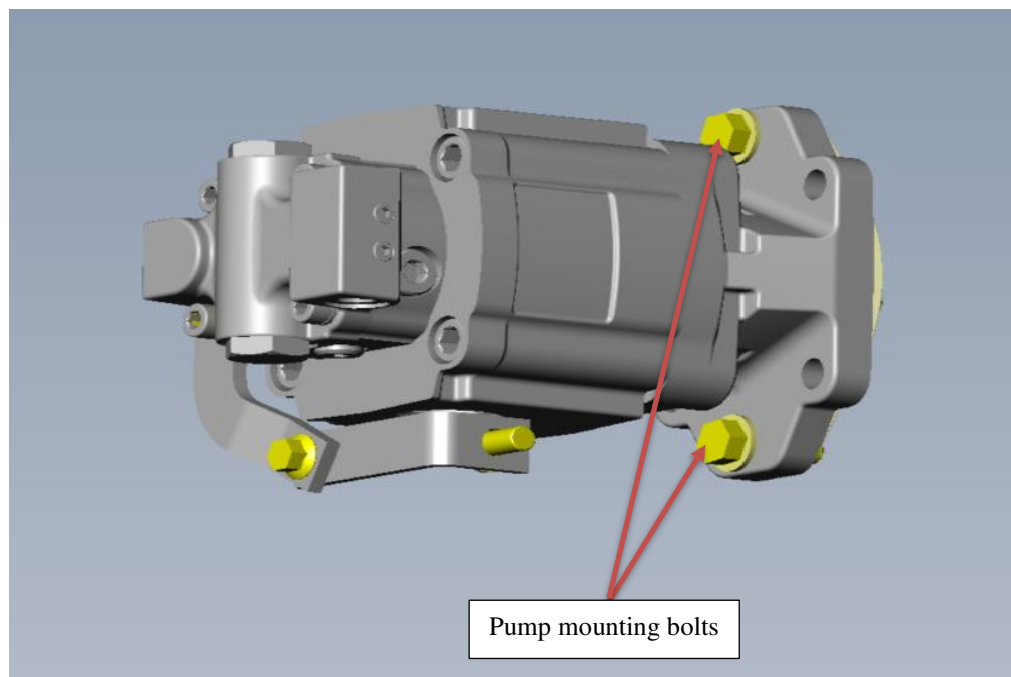
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*Figure 3*

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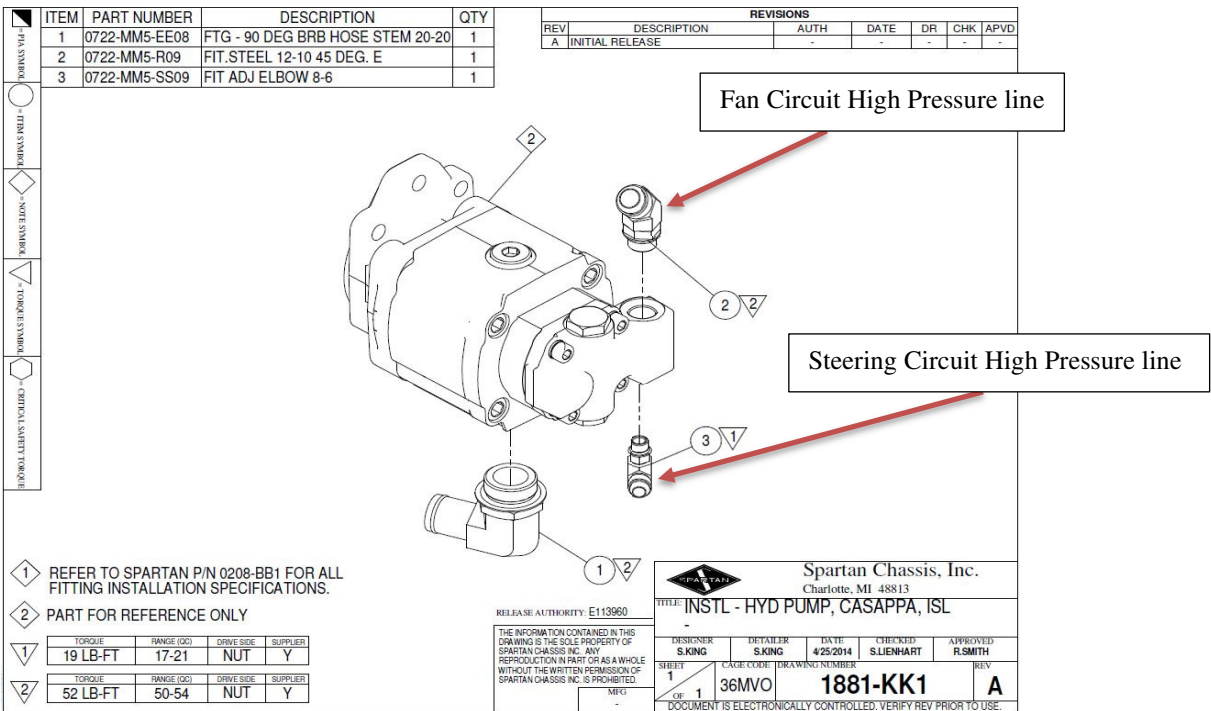


Figure 4

7. Install cleaned and inspected fittings into new pump. Reference Figure 4 for torque specs.
8. Verify both mating surfaces on hydraulic pump and air compressor are clean before proceeding
9. Using new gasket provided with the pump in the service kit, install new pump, and tighten bolts to 47 LB-FT. Reference Figure 3 for bolt locations.
10. Connect qty (2) high pressure hoses and qty (1) low pressure hose and tighten to 55 LB-IN.

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11. Install pump support bracket and torque per Figure 5. Note, you must reuse the pump bracket bolt (reference bolt 2 from figure 2 and step 2) as it is longer than the bolt that comes installed on pump.

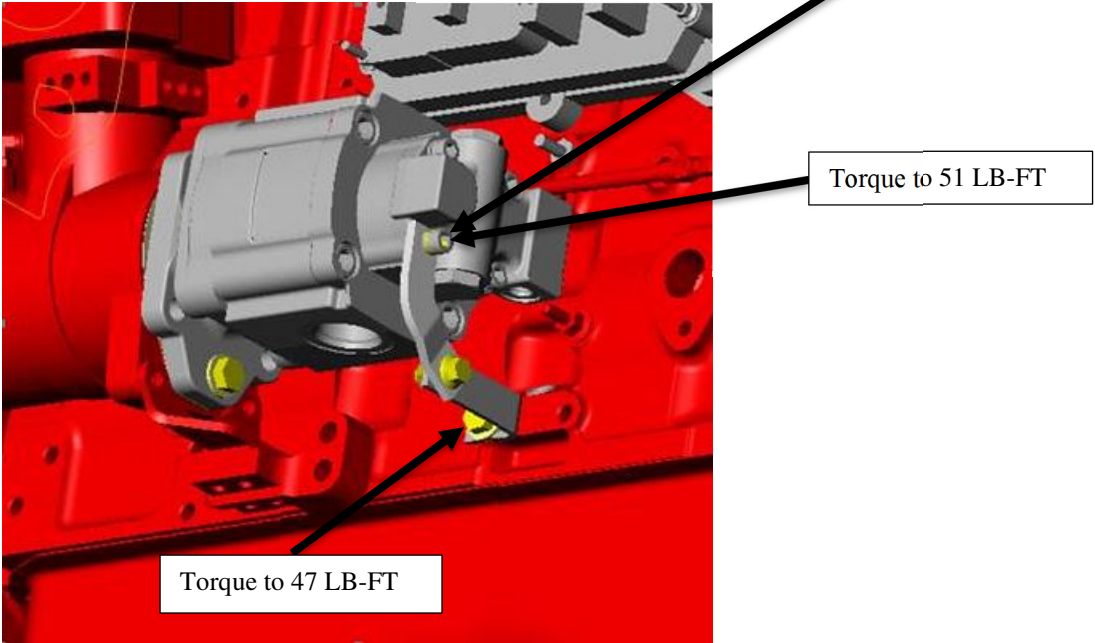


Figure 5

12. Remove tapered rubber plug from hydraulic reservoir and install vented cap.
13. Check hydraulic fluid level before starting vehicle. Add AW-46 hydraulic oil as needed to achieve full cold mark on dipstick.
14. Start coach and turn steering wheel to left lock and hold for 10 seconds and then turn to right lock and hold for 10 seconds. Repeat this process 3 times to bleed any air that may be in the system.
15. Check hydraulic fluid level and top off as needed.
16. Check for any leaks in the hydraulic system.

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