







Recall Service Bulletin RSB21-330-004A

7/8/2021 DATE:

This Recall service bulletin applies to 2016 through 2021 model year, **APPLIES TO:**

Metro Star model and Commercial emergency response chassis cabs built

between November 2016 and February 2021.

NHTSA/TC Id: 21V-329

Solenoids may be subject to internal corrosion. **CONDITION:**

Remove and replace solenoids with those that are appropriately rated for **CORRECTION:**

their environment.

LABOR ALLOCATION: 2 hrs.

E3 **CLASSIFICATION:**

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
2	0918-MM5-012	ATC Valve
2	4135-GG5-001	Connector, Pigtail, for ATC Valve
1	5034-MM5-001	Bracket, Pump Shift, for ATC Valve
4	3092-MM5-A02	.25" 90° Push-Lock Air Line Fitting

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, LCC. Customer & Product Support Group.

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









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STEP-BY-STEP INSTRUCTIONS:

- 1. Properly support chassis to gain access to work underneath.
- 2. Locate air tanks and drain all air from tanks.
- 3. Locate pump shift control solenoid and mounting bracket. Reference Figure 2.1. Use masking tape to temporarily label the harness drops and pneumatic lines for Road and Pump modes to the appropriate valve.



Figure 2.1

4. Disconnect pneumatic lines and electrical connections from the solenoids.









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- 5. Remove mounting bracket with solenoids from the chassis.
- 6. Remove solenoids from the mounting bracket.
- 7. Assemble solenoid valve assembly using solenoid part number 0918-MM5-012. Install 90° fittings part number 3092-MM5-A02 to the solenoids. Mount solenoids to the bracket part number 5034-MM5-001. Reference Figure 3.1

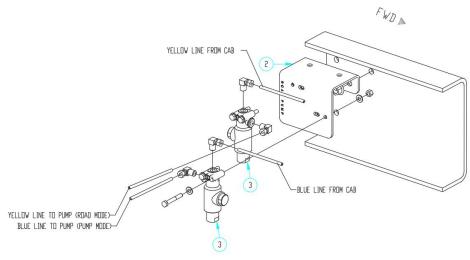


Figure 3.1

- 8. Install new mounting bracket with ATC solenoids to the chassis.
- 9. Reinstall previously labeled pneumatic lines to appropriate solenoid valve.
- 10. Using the connection pigtails part number 4135-GG5-001, make appropriate connections to previously marked harnessing connections, and then connect to the solenoids.
- 11. Verify installation and then fill pneumatic system and check for leaks. Tie wrap all loose pneumatic lines and wiring.
- 12. Verify proper operation in both Road and Pump modes.









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- a. Turn on the master battery and ignition switches.
- b. Ensure the park brake is set.
- c. Start the truck.
- d. Engage the water pump using the switch in the cab. Make sure to follow all operational and safety placards in the cab relating to engaging the pump.
 - i. Do not run the water pump for more than 30 seconds without opening the tank to pump valve to recirculate tank water through the pump.
- e. Verify the "Pump Engaged" indicator light in the cab is illuminated.
- f. Disengage the water pump using the switch in the cab.
- g. Verify the "Pump Engaged" indicator light in the cab is no longer illuminated.
- h. Turn off the ignition and master battery switch.



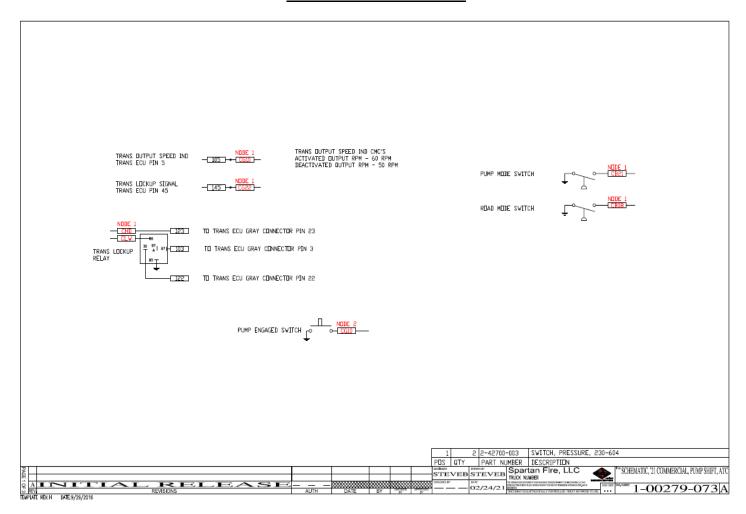






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Reference Materials



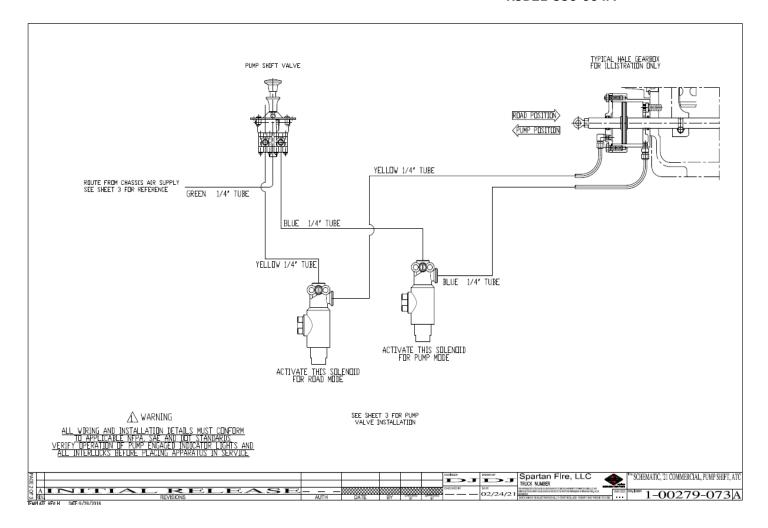








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