

Job Code:	M920031 – 26-004	Product:	Lineage Series VP
Date:	5/20/2026	Repair Time:	0.2 h

Purpose

This bulletin describes the procedure to install a Grand Design RV – supplied diode into the water pump control circuit of the Firefly Emprise electrical system on affected ProMaster LVP units. The diode prevents excessive current in the water pump control circuit that can damage the Firefly circuit board.

NOTE: Actual color and finish of components may differ from those depicted in this document.

Background

On affected units, the Firefly circuit that controls the water pump can experience high current to the point of damaging the Firefly circuit board. Installation of the supplied diode prevents this damage. Current production units are wired to address this condition; this bulletin provides the field correction for units already in service.

Safety

This document provides general instructions. Many variables can change the circumstances of any procedure, including the degree of difficulty involved in the service operation and the ability level of the individual performing the operation. In the event the skill level required is too advanced or the procedure too difficult, a certified technician should be consulted before performing the operation. Failure to correctly install, remove, or service the system may result in voiding the warranty, inflicting injury, or even death.

WARNING

The "WARNING" symbol indicates a procedure has a safety risk involved and may cause death, serious personal injury, or severe product and/or property damage if not performed safely and within the parameters set forth in this document.

CAUTION

The "CAUTION" symbol indicates a procedure has a safety risk involved and may cause personal injury or product and/or property damage if not performed safely and within the parameters set forth in this document.

CAUTION

ELECTRICAL HAZARD. Confirm the battery disconnect switch is in the OFF position before working on the Firefly Emprise electrical board. Working on an energized board can cause component damage, short circuits, or personal injury.

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Affected Units

Chassis VIN	Serial #
1FDBF6XG4SKA12992 - 1FDBF6XG8SKA12946	TV213BVVEE00180 - TV213BVVEE00255

Claim Information

Submit warranty claims using the following job code and labor time.

Job Code	M920031
Repair Time	0.2 h
Pre-Auth Required	No

Resources Required

The following tools are required to complete this procedure:

- Phillips screwdriver
- Wire cutters
- Wire strippers

Required Components

Callout	Part #	Qty	Description
A	430007	1	Diode with Wago lever-lock connector (Grand Design RV supplied)

**Part images not to scale relative to each other.*

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Preparation

Step 1 – Confirm the battery disconnect switch is in the OFF position.

Instructions

Step 1 – Using a Phillips screwdriver, remove the screw located on the lower right-hand side of the screen.



Fig. 1 – Screw location — lower right-hand side of the screen.

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Step 2 – The screen is hinged on the left. Pull on the right side of the screen to open it and access the Firefly Emprise electrical board.

Step 3 – Locate the single 14-gauge brown wire connected to the 5-pin connector at the upper center of the electrical board. Using wire cutters, cut the wire at the location indicated.



Fig. 2 – 14-gauge brown wire at the 5-pin connector — cut location indicated by arrow.

Step 4 – Strip both cut wire ends approximately ¼".

Step 5 – Take the Grand Design RV-supplied diode with the Wago connector and open the locking levers.

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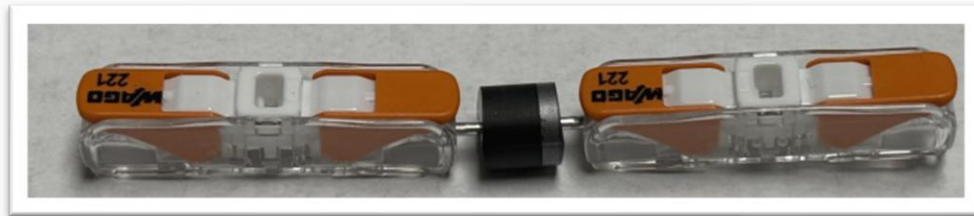


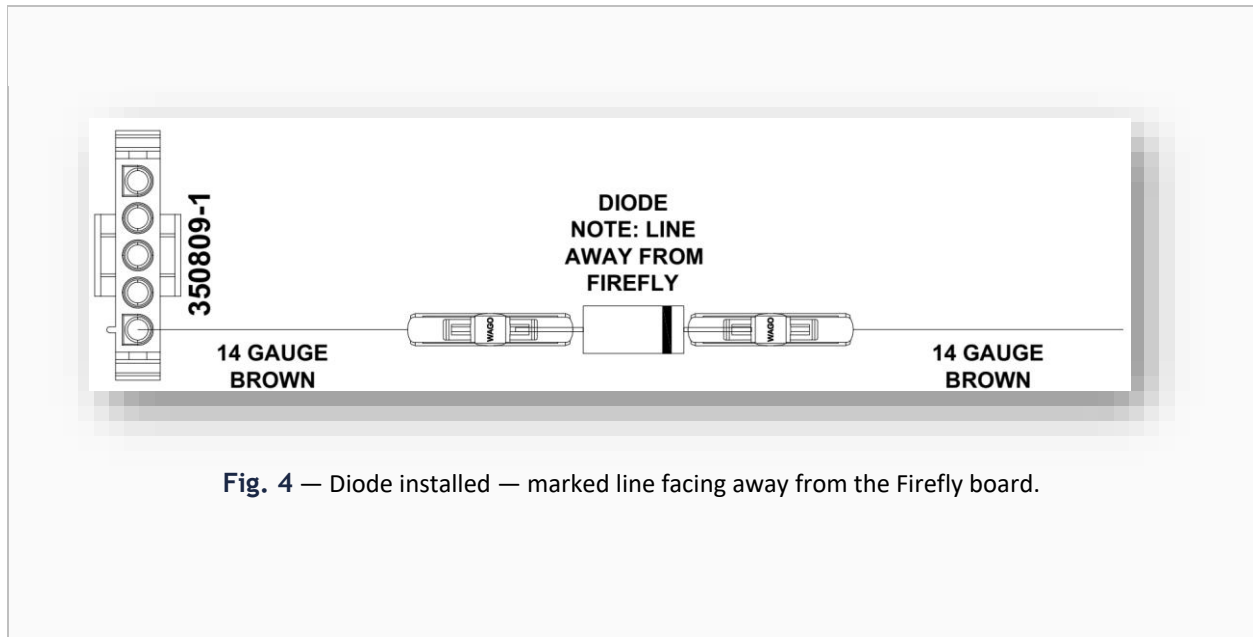
Fig. 3 — Supplied diode with Wago connector — locking levers open.

Step 6 — Insert one stripped wire end into each end of the Wago connector, then close the locking levers.

NOTE

Diode orientation is critical. The line marked on the diode must face AWAY from the Firefly electrical board. Installing the diode backwards will prevent the water pump from operating.

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Step 7 — Close the screen door and reinstall the screw on the lower right-hand side.

Step 8 — Restore power to the system.

Verification

Before returning the unit to service, verify the following:

- The diode is fully seated in the Wago connector with both locking levers closed.
- The marked line on the diode faces away from the Firefly electrical board.
- The screen door is closed and the lower right-hand screw is reinstalled.
- The water pump operates correctly with system power restored.

NOTE

If the water pump does not operate after the repair, confirm the diode is installed in the correct orientation (marked line facing away from the Firefly board).