

YEAR/MODEL	Date Of Issue	Bulletin Number	Service Campaign
<b>2010.5-11.5 Balance Vehicles</b>	15NOV2011	<b>501331</b>	<b>FSA</b>

## Title:

Vehicle quits on road will not restart, blown AZD under hood F028 fuse. Add fused overlay harness and inspect operation of low temp fans

## Issue:

Low temp radiator fans seize causing the fuse to blow that powers the VCU

## Applies To:

All model year 10.5 and 11 vehicles. Applies to only the model year 11.5's listed below

1FC4E4KL0BDB22838	1FC4E4KL7BDB25266	1FC4E4KL7BDB25283
1FC4E4KL1BDB25263	1FC4E4KL3BDB25264	1FC4E4KL0BDB25285
1FC4E4KL0BDB25268	1FC4E4KL9BDB25270	1FC4E4KL2BDB25286
1FC4E4KL4BDB17349	1FC4E4KL9BDB25267	1FC4E4KL4BDB25287
1FC4E4KL4BDB25273	1FC4E4KLXBDB25262	1FC4E4KL6BDB25288
1FC4E4KL2BDB25269	1FC4E4KL2BDB22842	
1FC4E4KL2BDB25272	1FC4E4KL0BDB25271	

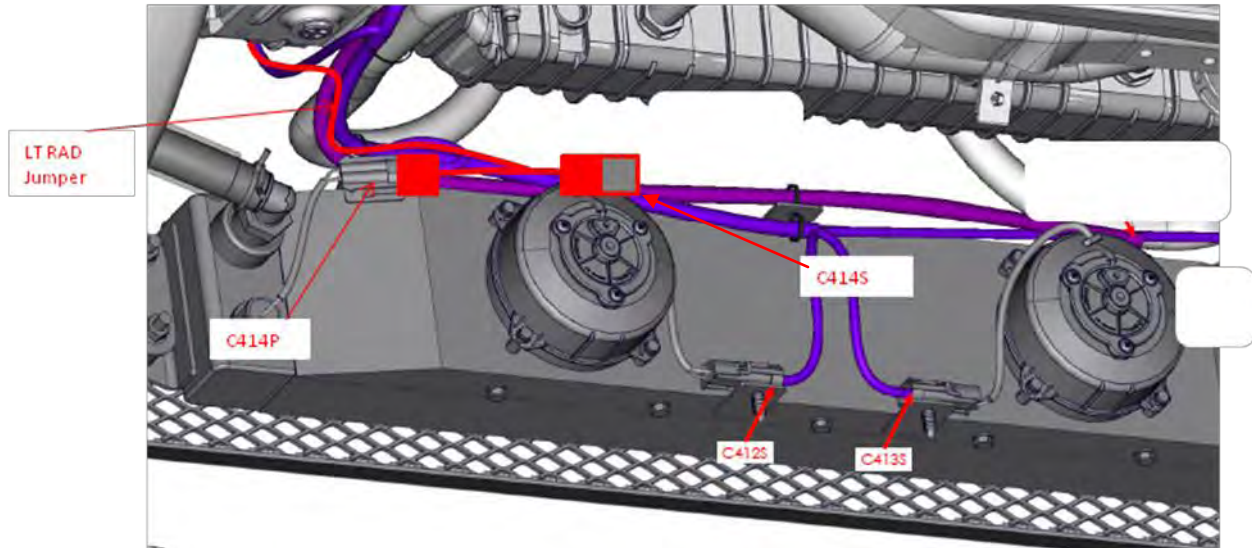
## Parts Required:

Part Number	Description	Qty
107523	SERVICE KIT FSA 501331	1
104567 (PART of KIT)	LABEL, FUSE RLY PANEL	1
107347 (PART of KIT)	HRNS, LT FAN PWR, JUMPER	1
101634 (PART of KIT)	FIR TREE	1
107443 (PART of KIT)	25 A FUSE	1
101066 (PART of KIT)	CABLE TIE	2
104622 (NOT PART OF KIT ORDER AS NEEDED)	LOW TEMP RADIATOR FAN	2 (only as needed not every vehicle should require fan replacement)

**NOTE:** The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Azure Dynamics Inc. (AZD) reserves the right to supersede this information with updates. The most recent information is available through AZD on-line technical resources <https://extranet.azuredynamics.com>

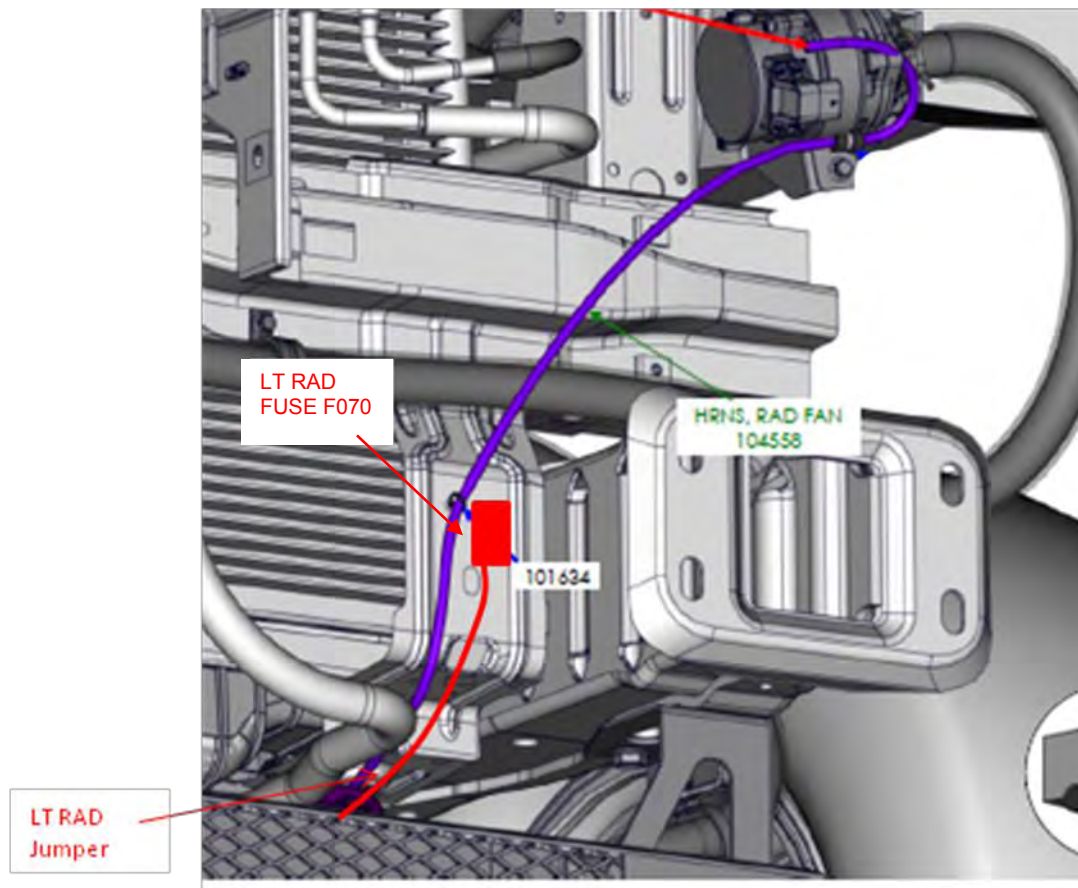
## Service Procedure:

### Harness Installation:



1. Disconnect C414S (Rad Fan Harness) from C414P (Thermal Switch)
2. Connect C414S to C414AP (LT Rad Jumper)
3. Connect C414P to C414AS (LT Rad Jumper)
4. Secure LT Rad Jumper to existing harness branches
5. Route branch F070 forward in vehicle following the existing wiring to the LT Pump

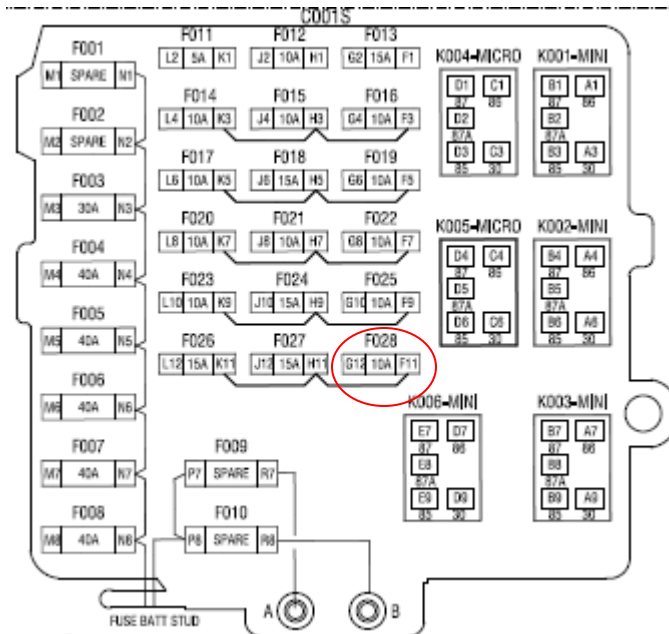
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6. Remove fir tree from Ford Chassis in area shown above.
7. Secure F070 to Ford frame with fir tree (101634)
8. Secure LT Pump branch with tie strap on same fir tree

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**Fuse and Label Installation:**



1. Remove 10A fuse in the F028 location from PDB on Power Dist Harness
2. Install 25A fuse in the F028
3. Remove Fuse Label 104567-C from cover of PDB
4. Install Fuse Label 104567-D in cover of PDB

**Low Temp Fan Inspection:**

1. Remove ignition key from ignition
2. Attempt to rotate low temp fan blades by hand
3. If fan will not rotate use shop air to remove debris
4. To confirm low temp fan operation install a fused jumper in the harness side of fan fuse harness to by-pass the low temp thermal switch to ensure operation of the fans
5. Key vehicle to provide power to fans
6. If fans operate as designed with no abnormal noise fan replacement is not needed
7. If fans do not operate as designed replace fans as needed

**Warranty Information:**

Code	Description	Time
FSA 501331	LOW TEMP RADIATOR FAN FUSED HARNESS	.3
FSA 501331	LOW TEMP FAN REPLACEMENT	.2 for one .3 for two

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