

General

Service Bulletin

IFC Board Failures

Models: Phase 1

AUC1, AUD1, AUE1, AUH1, ADC1, ADD1, ADE1
TUC1, TUD1, TUE1, TUH1, TDC1, TDD1, TDE1
M801P, M951P

Serial Numbers: 17371XXXXG through 17434XXXXG (Phase 1)

Models: Phase 2

AUC1, AUD1, AUD2, AUH1, AUHM, ADD1, ADD2, ADE1, ADHM,
TUC1, TUD1, TUD2, TUE1, TUH1, TUHM, TDD1, TDE1, TDH1, TDD2,
TDHM, S9V2, S9X2, M801P, M951P, M952V

Serial Numbers: 17383XXXXG through 17462XXXXG (Phase 2)

ORDER No: FURN-SVB061B-EN

DATE: December 6, 2017

Introduction

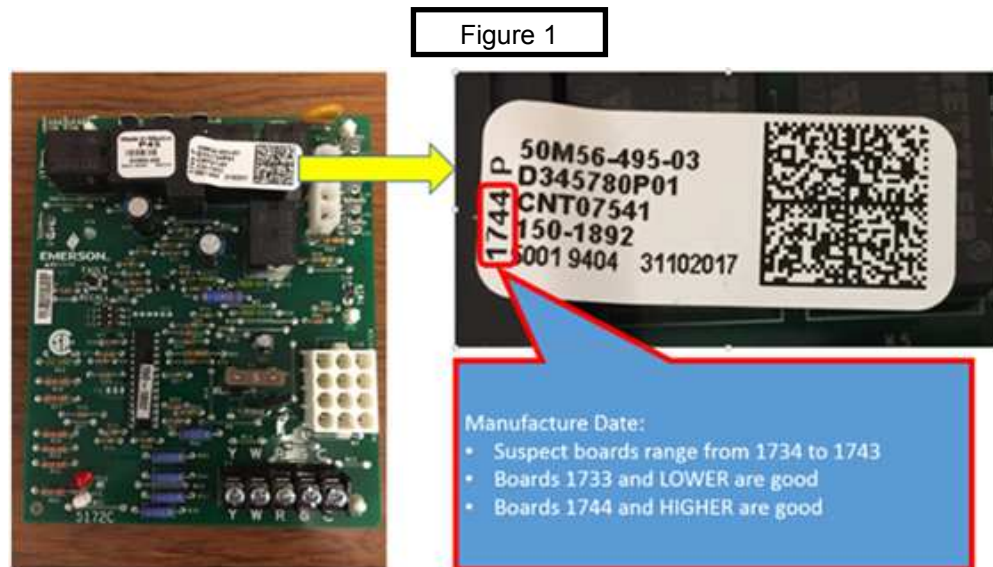
We have received field reports of early Integrated Furnace Control (IFC) board failures on these furnace models. See pages 4 -11 for a complete model number list. The reported failure is a persistent (5) flash error code being indicated on the IFC board. **The actions described in this bulletin are NOT being taken to address a safety concern. This is a MANDATORY rework process.**

Discussion

A component within the flame sensing circuit on the IFC board has been identified as the root cause of these failures. The boards are failing with a persistent (5) flash code. A (5) flash code is identified as "flame sensed, when no flame should be present." With this failure mode, the IFC board will enter into a hard lockout sequence (gas operation terminates) and the inducer motor and indoor blower motor will continue to operate.

Discussion, continued

The affected boards have been limited to a specific date range that can be identified on the label of the IFC board. See (Figure 1) on how to identify the date code on the IFC board label.




Corrective Action

For each affected furnace, a new IFC board will need to be installed. This corrective action includes both uninstalled and installed furnaces.


Warehouse Rework Instructions

Replacement IFC boards will be sent from the factory directly to the distributor.

Select the warehouse rework instructions below by double-clicking on the paper clip next to the appropriate model number. If you are not able to open and view these instructions, a copy will be provided to you by contacting your local Field Service Representative or Technical Support in Tyler, TX.

 AUE1, AUD1, AUC1, AUH1, AUD2, AUH2, TUE1, TUD1, TUC1, TUH1, TUD2, TUH2, M801P, M951P, M952V, ADE1, ADD1, ADC1, ADD2, TDE1, TDD1, TDC1, TDD2, TDH1,

 AUD2-ACV, AUHM, ADHM, TUD2-ACV, TUHM, TDHM

 S9V2, S9X2

Corrective Action, continued

Field Rework Instructions

⚠ WARNING

Hazardous Voltage!

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

1. Disconnect high voltage power from the furnace.
2. Remove the burner and blower panels from the furnace.
3. Follow steps regarding IFC board replacement within appropriate warehouse rework instructions.
4. Re-install the burner and blower panels on the furnace.
5. Reapply high voltage power to the furnace.
6. Check furnace for proper heating operation.

Parts Ordering Information (Field repair only)

Replacement IFC board should be ordered from your local Trane Parts Center, Independent Trane or American Standard distributor.

Material Disposition

Parts should be disposed of based upon direction of your local parts distributor.

Expiration Date

This bulletin will expire on April 30, 2018. All claims must be entered prior to that date.

Questions

Distributor personnel Contact your local Field Service Representative. FSRs should contact Technical Support in Tyler, TX.

Model Number List: Phase 1

Model Number	Part Number	Model Number	Part Number
AUC1B040A9241AG	D345780P01 CNT07541	TUC1B040A9241AG	D345780P01 CNT07541
AUC1B060A9361AG	D345780P01 CNT07541	TUC1B060A9361AG	D345780P01 CNT07541
AUC1B080A9421AG	D345780P01 CNT07541	TUC1B080A9421AG	D345780P01 CNT07541
AUC1C100A9481AF	D345780P01 CNT07541	TUC1C100A9481AF	D345780P01 CNT07541
AUC1D100A9601AF	D345780P01 CNT07541	TUC1D100A9601AF	D345780P01 CNT07541
AUC1D120A9601AF	D345780P01 CNT07541	TUC1D120A9601AF	D345780P01 CNT07541
AUE1A040A9241AF	D345780P01 CNT07541	TUE1A040A9241AF	D345780P01 CNT07541
AUE1A060A9361AE	D345780P01 CNT07541	TUE1A060A9241AF	D345780P01 CNT07541
AUE1B060A9361AF	D345780P01 CNT07541	TUE1A060A9361AE	D345780P01 CNT07541
AUE1B080A9361AF	D345780P01 CNT07541	TUE1B060A9361AF	D345780P01 CNT07541
AUE1B080A9481AF	D345780P01 CNT07541	TUE1B080A9361AF	D345780P01 CNT07541
AUE1B100A9361AF	D345780P01 CNT07541	TUE1B080A9481AF	D345780P01 CNT07541
AUE1C100A9481AF	D345780P01 CNT07541	TUE1B100A9361AF	D345780P01 CNT07541
AUE1C100A9601AE	D345780P01 CNT07541	TUE1C100A9481AF	D345780P01 CNT07541
AUE1D120A9601AE	D345780P01 CNT07541	TUE1C100A9601AE	D345780P01 CNT07541
		TUE1D120A9601AE	D345780P01 CNT07541
		TUE1D140A9601AE	D345780P01 CNT07541

Model Number List: Phase 1

Model Number	Part Number		Model Number	Part Number	
AUD1A040A9241BB	D345780P01	CNT07541	TUD1A040A9241BB	D345780P01	CNT07541
AUD1A040A9301BB	D345780P01	CNT07541	TUD1A040A9301BB	D345780P01	CNT07541
AUD1A060A9241BB	D345780P01	CNT07541	TUD1A060A9241BB	D345780P01	CNT07541
AUD1A060A9361BB	D345780P01	CNT07541	TUD1A060A9361BB	D345780P01	CNT07541
AUD1B060A9361BB	D345780P01	CNT07541	TUD1B060A9361BB	D345780P01	CNT07541
AUD1B080A9241BB	D345780P01	CNT07541	TUD1B080A9241BB	D345780P01	CNT07541
AUD1B080A9361BB	D345780P01	CNT07541	TUD1B080A9361BB	D345780P01	CNT07541
AUD1B080A9481BB	D345780P01	CNT07541	TUD1B080A9481BB	D345780P01	CNT07541
AUD1B100A9361BB	D345780P01	CNT07541	TUD1C080A9601BB	D345780P01	CNT07541
AUD1B100A9451BB	D345780P01	CNT07541	TUD1B100A9361BB	D345780P01	CNT07541
AUD1C100A9481BB	D345780P01	CNT07541	TUD1B100A9451BB	D345780P01	CNT07541
AUD1C100A9601BB	D345780P01	CNT07541	TUD1C100A9481BB	D345780P01	CNT07541
AUD1C120A9541BB	D345780P01	CNT07541	TUD1C100A9601BB	D345780P01	CNT07541
AUD1D120A9601BB	D345780P01	CNT07541	TUD1D100A9721BB	D345780P01	CNT07541
			TUD1C120A9541BB	D345780P01	CNT07541
AUH1B040A9241CB	D345780P01	CNT07541	TUD1D120A9601BB	D345780P01	CNT07541
AUH1B060A9361CB	D345780P01	CNT07541	TUD1D140A9601BB	D345780P01	CNT07541
AUH1B080A9421CB	D345780P01	CNT07541			
AUH1C080A9601CB	D345780P01	CNT07541			
AUH1C100A9481CB	D345780P01	CNT07541			
AUH1D100A9601CB	D345780P01	CNT07541			
AUH1D120A9601CB	D345780P01	CNT07541			

Model Number List: Phase 1

Model Number	Part Number	Model Number	Part Number
M801P040AU24AAD	D345780P01	TUH1B040A9241CB	D345780P01
M801P060AU24AAD	D345780P01	TUH1B060A9361CB	D345780P01
M801P060AU36AAC	D345780P01	TUH1B080A9421CB	D345780P01
M801P080BU36AAD	D345780P01	TUH1C080A9601CB	D345780P01
M801P080BU48AAD	D345780P01	TUH1C100A9481CB	D345780P01
M801P100BU36AAD	D345780P01	TUH1D100A9601CB	D345780P01
M801P100CU48AAD	D345780P01	TUH1D120A9601CB	D345780P01
M801P100CU60AAC	D345780P01		
M801P120DU60AAC	D345780P01		
M801P140DU60AAC	D345780P01		
M951P040BU24AAC	D345780P01		
M951P060BU36AAC	D345780P01		
M951P080BU42ABC	D345780P01		
M951P100CU48AAB	D345780P01		
M951P100DU60AAB	D345780P01		
M951P120DU60AAB	D345780P01		

Model Number List: Phase 1

Model Number	Part Number	Part Number
ADC1B060A9361AF	D345780P01	CNT07541
ADC1B080A9421AG	D345780P01	CNT07541
ADD1A060A9241BB	D345780P01	CNT07541
ADD1B080A9361BB	D345780P01	CNT07541
ADD1B080A9451BB	D345780P01	CNT07541
ADD1D140A9601BB	D345780P01	CNT07541
ADE1A060A9361AF	D345780P01	CNT07541
ADE1B080A9451AF	D345780P01	CNT07541
ADE1B100A9451AF	D345780P01	CNT07541
ADE1C100A9601AE	D345780P01	CNT07541
TDC1B040A9241AF	D345780P01	CNT07541
TDC1B060A9361AF	D345780P01	CNT07541
TDC1B080A9421AG	D345780P01	CNT07541
TDC1C100A9481AE	D345780P01	CNT07541
TDC1D120A9601AE	D345780P01	CNT07541
TDD1A060A9241BB	D345780P01	CNT07541
TDD1A060A9361BB	D345780P01	CNT07541
TDD1B060A9361BB	D345780P01	CNT07541
TDD1B080A9361BB	D345780P01	CNT07541
TDD1B080A9451BB	D345780P01	CNT07541
TDD1B100A9451BB	D345780P01	CNT07541
TDD1C100A9481BB	D345780P01	CNT07541
TDE1A060A9361AF	D345780P01	CNT07541
TDE1B060A9361AF	D345780P01	CNT07541
TDE1B080A9451AF	D345780P01	CNT07541
TDE1B100A9451AF	D345780P01	CNT07541
TDE1C100A9601AE	D345780P01	CNT07541
M801P060AD24AAD	D345780P01	CNT07541
M801P060AD36AAE	D345780P01	CNT07541
M801P080BD45AAE	D345780P01	CNT07541

Model Number List: Phase 2

Model Number	Part Number	Model Number	Part Number
AUC1B080A9421A	D345780P01 CNT07541	TUC1B080A9421A	D345780P01 CNT07541
AUD1C100A9601B	D345780P01 CNT07541	TUE1B080A9361A	D345780P01 CNT07541
AUD1B100A9451B	D345780P01 CNT07541		
AUD1D120A9601B	D345780P01 CNT07541	TUD1A060A9241B	D345780P01 CNT07541
		TUD1B080A9481B	D345780P01 CNT07541
AUD1B060A9H31B	D342359P03 CNT07737		
AUD1C100A9H51B	D342359P03 CNT07737	TUD2B080A9362A	D344301P01 CNT06424
		TUD2B080A9482A	D344301P01 CNT06424
AUD2A060A9362A	D344301P01 CNT06424	TUD2C100A9482A	D344301P01 CNT06424
AUD2B080A9362A	D344301P01 CNT06424	TUD2C100A9602A	D344301P01 CNT06424
AUD2B100A9362A	D344301P01 CNT06424	TUD2D120A9602A	D344301P01 CNT06424
AUD2C100A9482A	D344301P01 CNT06424		
AUD2D120A9602A	D344301P01 CNT06424	TUD2B060A9V3VB	D156245P01 CNT06015
AUD2D140A9602A	D344301P01 CNT06424	TUD2B080A9V3VB	D156245P01 CNT06015
		TUD2B100A9V3VB	D156245P01 CNT06015
AUD2B060A9V3VB	D156245P01 CNT06015	TUD2C080A9V4VB	D156245P01 CNT06015
AUD2B080A9V3VB	D156245P01 CNT06015	TUD2C100A9V5VB	D156245P01 CNT06015
AUD2B100A9V3VB	D156245P01 CNT06015	TUD2C100B9V5VB	D156245P01 CNT06015
AUD2C080A9V4VB	D156245P01 CNT06015	TUD2D120A9V5VB	D156245P01 CNT06015

Model Number List: Phase 2

Model Number	Part Number	Model Number	Part Number		
AUD2C100A9V5VB	D156245P01	CNT06015	TUD2D120B9V5VB	D156245P01	CNT06015
AUD2D120A9V5VB	D156245P01	CNT06015	TUD2D140A9V5VB	D156245P01	CNT06015
AUD2C100B9V5VB	D156245P01	CNT06015			
AUD2D140A9V5VB	D156245P01	CNT06015			
			TUD2B060ACV32B	D158119P01	CNT07081
AUD2B060ACV32B	D158119P01	CNT07081	TUD2B080ACV32B	D158119P01	CNT07081
AUD2C080ACV42B	D158119P01	CNT07081	TUD2C080ACV42B	D158119P01	CNT07081
AUD2C100ACV52B	D158119P01	CNT07081	TUD2C100ACV52B	D158119P01	CNT07081
			TUH1B040A9241C	D345780P01	CNT07541
AUH1B040A9241C	D345780P01	CNT07541	TUH1C100A9481C	D345780P01	CNT07541
AUH1D120A9601C	D345780P01	CNT07541			
			TUH1C100A9H41B	D342359P03	CNT07737
AUH1B040A9H21B	D342359P03	CNT07737			
			TUH2B060A9V3VB	D343687P02	CNT06585
AUH2B060A9V3VB	D343687P02	CNT06585			
			TUHMB060ACV3VB	D158118P01	CNT07080
AUHMB060ACV3VB	D158118P01	CNT07080	TUHMB080ACV3VB	D158118P01	CNT07080
AUHMB080ACV3VB	D158118P01	CNT07080	TUHMC100ACV4VB	D158118P01	CNT07080
AUHMC100ACV4VB	D158118P01	CNT07080	TUHMD120ACV5VB	D158118P01	CNT07080
AUHMD120ACV5VB	D158118P01	CNT07080			

Model Number	Part Number	Model Number	Part Number		
S9V2B040U3PSBA	D344782P03	CNT07721	S9X2B040U2PSAA	D344781P01	CNT07113
S9V2B060U3PSBA	D344782P03	CNT07721	S9X2B040U3PSAA	D344781P01	CNT07113
S9V2B060U4PSBA	D344782P03	CNT07721	S9X2B060U3PSAA	D344781P01	CNT07113
S9V2B080U3PSBA	D344782P03	CNT07721	S9X2B080U3PSAA	D344781P01	CNT07113
S9V2B080U4PSBA	D344782P03	CNT07721	S9X2B080U4PSAA	D344781P01	CNT07113
S9V2C080U5PSBA	D344782P03	CNT07721	S9X2C080U4PSAA	D344781P01	CNT07113
S9V2C100U4PSBA	D344782P03	CNT07721	S9X2C080U5PSAA	D344781P01	CNT07113
S9V2C100U5PSBA	D344782P03	CNT07721	S9X2C100U4PSAA	D344781P01	CNT07113
S9V2D120U5PSBA	D344782P03	CNT07721	S9X2C100U5PSAA	D344781P01	CNT07113
			S9X2D120U5PSAA	D344781P01	CNT07113
M801P080BU48AA	D345780P01	CNT07541			
M951P060BU36AA	D345780P01	CNT07541			
M952V080BU36AB	D343687P02	CNT06585			

Model Number List: Phase 2

Model Number	Part Number	Model Number	Part Number
ADE1B080A9451A	D345780P01 CNT07541	TDE1B080A9451A	D345780P01 CNT07541
ADE1D120A9601A	D345780P01 CNT07541		
		TDD1B060A9361B	D345780P01 CNT07541
ADD1B060A9361B	D345780P01 CNT07541	TDD1B080A9361B	D345780P01 CNT07541
ADD2A060A9362A	D344301P01 CNT06424	TDD2B100A9482A	D344301P01 CNT06424
ADD2B060A9362A	D344301P01 CNT06424	TDD2A060A9362A	D344301P01 CNT06424
ADD2B080A9362A	D344301P01 CNT06424		
ADD2B100A9482A	D344301P01 CNT06424	TDD2B060A9V3VA	D156245P01 CNT06015
		TDD2B080A9362A	D156245P01 CNT06015
ADHMB060BCV3VB	D158118P01 CNT07080	TDD2B080A9V3VA	D156245P01 CNT06015
ADHMB080ACV3VB	D158118P01 CNT07080	TDD2C100A9V5VA	D156245P01 CNT06015
ADHMC100ACV4VB	D158118P01 CNT07080		

Model Number List: Phase 2

Model Number	Part Number	Model Number	Part Number
S9V2B040D3PSBA	D344782P03 CNT07721	TDD2B080ACV32B	D158119P01 CNT07081
S9V2B060D3PSAA	D344782P03 CNT07721		
S9V2B060D3PSBA	D344782P03 CNT07721	TDH1B065A9421C	D345780P02 CNT07648
S9V2B080D3PSBA	D344782P03 CNT07721		
S9V2B080D4PSBA	D344782P03 CNT07721	TDHMB060BCV3VB	D158118P01 CNT07080
S9V2C100D4PSBA	D344782P03 CNT07721	TDHMC100ACV4VB	D158118P01 CNT07080
S9V2C100D5PSBA	D344782P03 CNT07721		
S9V2D120D5PSBA	D344782P03 CNT07721	M801P060AD36AA	D345780P01 CNT07541
S9X2B060D3PSAA	D344781P01 CNT07113		
S9X2B080D4PSAA	D344781P01 CNT07113		
S9X2C100D5PSAA	D344781P01 CNT07113		

Literature Order Number	FURN-SVB061B-EN
File Number	FURN-SVB061B-EN
Supersedes	FURN-SVB061A_EN
Stocking Location	Electronic Only
Ingersoll Rand has a policy of continuous product data and product improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this bulletin.	