

# Service Bulletin

**SR-034**

DATE: November 6, 2008,  
 TO: All Service and Parts Managers  
 SUBJECT: High Pressure Issue on GSH14036, SSZ/ASZ14036 and SSZ/ASZ16036 Heat Pumps

We have received field reports of the SSZ/ASZ14036 and SSZ/ASZ16036 heat pumps tripping the high pressure switch in the heating mode when matched only with the **AEPF303616CA** air handler. After testing, we have discovered that the motor does not provide the listed airflow at the specified settings. We have developed a new program for this motor that does provide the specified airflow and units produced after October 13, 2008 (serial number 0810070690 or later) have the updated airflow.

All units shipped from Goodman® after October 13, 2008 have been updated with the revised airflow program. These units can be identified by the green dot on the motor label and an orange dot centered on the side of top carton at rear of the unit and is visible in the bulk packs. Service replacement motor assemblies and ECM End Bell as listed below, shipped after October 13, 2008, will also contain the revised airflow programming. These parts can be identified by the green dot on the box adjacent to the part number label. Service Parts will have a green dot on the box thru the end of year.

If you have an AEPF303616CA air handler matched with a heat pump that is causing the high pressure switch to trip due to insufficient airflow, the airflow can be increased by changing the dip switches to the revised settings as listed in the following chart.

Model	Switch		Switch		Nominal Cooling Tonnage	CFM
	5	6	7	8		
AEPF3036	ON	OFF	OFF	OFF	3	1268
	OFF	ON	OFF	OFF	3	1170

Testing has determined that there is a charge imbalance with the AEPF303616CA and the ASPF303616BA when matched with the GSH14036, SSZ/ASZ14036 and SSZ/ASZ16036 heat pumps. The chart below shows the amounts of refrigerant that needs to be removed when charging in the heat mode and the revised subcooling setting when charging these units in the cooling mode.

Outdoor Model Numbers	Rev(s)	Indoor Metering Device	Outdoor Metering Device	Cooling Mode Charge / Method	Heating Mode/Weight Method		
					Factory Charge	Charge Adjust	Modified Charge
GSH140361**	AA, AB, AC, AD, AE	TXV	TXV	5° Subcooling	220 oz	- 20 oz	200 oz *
GSH140361**	AF	Piston	Piston	5° Superheat	220 oz	- 20 oz	200 oz *
SSZ/ASZ140361**	AA, AB, AC or AD	TXV	TXV	5° Subcooling	220 oz	-30 oz	190 oz *
SSZ/ASZ160361**	AA, AB, AC or AD	TXV	TXV	5° Subcooling	230 oz	-30 oz	200 oz *
ASZ180361**	AA or AB	TXV	TXV	5° Subcooling	195 oz	-30 oz	165 oz *

\* Add .6 oz per ft for lineset lengths greater than 15'. Subtract .6 oz per ft for lineset less than 15'.

Technical Services Department • 1810 Wilson Parkway • Fayetteville, TN 37334  
 Main: 888.593.9988 • Service Fax: 931.438.2273

The AEPF303616CA and ASPF303616BA air handlers are no longer listed in AHRI as approved matches with the GSH140361\*\*, SSZ/ASZ140361\*\*, SSZ/ASZ160361\*\* and ASZ180361\*\* heat pump units.

We are requesting all distributor inventory of AEPF303616CA air handlers, replacement ECM motors and service end bells be returned to the HLC for reprogramming. The following list below shows the air handler and service parts that should be returned to HLC.

Air Handler	Mtr/End Bell Part #	End Bell Part #
AEPF303616CA	B13400704ABS	13500704AAS

Distributors will need to contact their CSR to request an RMA to return their current inventory of AEPF303616CA Air Handlers, Motors and End Bells. Replacement inventory must be ordered by the distributor from HLC to replace their returned air handler inventory, motors and service end bells.

Goodman will pay \$250.00 labor to adjust dipswitch settings on installed AEPF303616CA units and to correct the charge imbalance when using the AEPF303616CA and ASPF303616BA on the heat pumps listed above where the customer is experiencing a high pressure switch tripping. A warranty claim form (RF000007) must be completed for each unit requiring the repair and must reference Project Code **8684** in section 6 (Project Code) on the warranty claim form. This claim can be filed on Service Bench (preferred) as Warranty Type "Epidemic" using **8684** as the "authorization" number. The claim will be paid upon review by the Warranty Department.

Technical Services Department • 1810 Wilson Parkway • Fayetteville, TN 37334  
Main: 888.593.9988 • Service Fax: 931.438.2273

**Amana**® is a trademark of Maytag Corporation and is used under license to Goodman Company, L.P.

All rights reserved.