



SERVICE BULLETIN

Title: 19EA/EB Gear Shrouds for High Speed Gears

Number: C9611

Models Affected: 19EA/EB 4-size Comp. with high speed gears

Date: 4/10/96

Supersedes:

Date:

Purpose:

To advise of a change in gear shrouds for any 19EA/EB machine with a 4-size compressor where high speed gears have been installed, as well as list the part numbers for the new components.

File: Compressor-Motor-Drive-Gears

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Background:

All 19EA/EB machines with a 4-size compressor have shrouds surrounding the compressor gears. The four-piece shrouds prevent foaming of the oil due to windage created by the gears. The windage in the 4-size compressor is created because the gears are very large in proportion to the housing. The 5-size compressor does not have gear shrouds because the gears are smaller in proportion to the housing, and therefore not enough windage is created to cause oil foaming.

Information:

When higher speed gears are installed in a 4-size Compressor as part of a conversion to HFC-134a, it is necessary to change the gear shrouds due to the increased size of the gears. When installing the higher speed gears in a 60Hz machine, the standard shroud assembly for a 50Hz machine is used. When installing the higher speed gears in a 50Hz machine, a special shroud assembly is used. The part numbers for the shroud assemblies are listed below.

DESCRIPTION	Part # for 60Hz Machine with high speed gears	Part # for 50Hz Machine with high speed gears
Gear Shroud Assy Kit (Contains 4 parts listed below)	19EA660-051	19EA660-052
Shroud, Upper Motor End	19EA46-377	19EA42-128
Shroud, Upper Comp. End	19EA46-387	19EA42-168
Shroud, Lower Motor End	19EA48-377	19EA42-428
Shroud, Lower Comp. End	19EA48-387	19EA42-398