

Customer Notification

B-CN-010-EN REV B

May 14, 2015

SUBJECT: New Spare Parts Available – IGV Repair Kits and Extractor Tool

Purpose

The purpose of this document is to inform Danfoss Turbocor customers of new spare parts availability which are being released and are available for immediate order.

Supersedes

B-CN-010-EN REV A; dated January 16, 2015

Summary

Background

In the past, Danfoss Turbocor has instructed customers to replace the entire IGV Housing Assembly, when a repair is needed to any of the IGV components. Now, Danfoss Turbocor has developed IGV Repair Kits to allow improved capability to service specific components or subassembly in the IGV Housing Assembly which is in need of repair.

Current IGV Repair Solutions

The entire IGV Housing Assembly was provided in a kit as the field replacement part and is dependent on the specific compressor model required. These kits will continue to be available and are shown below.

PART NUMBER	DESCRIPTION	REFRIG	COMP TYPE	MODEL TYPE	COMMENTS
100050-1	KIT- IGV HOUSING ASSEMBLY AND 'O' RING TT300 SIE -N R134A	R134A	OEM	TT300(SIE, -N)	PLASTIC BEIGE IGV THROAT
100050-2	KIT - IGV HOUSING ASSEMBLY AND 'O' RING TT300 R134A	R134A	OEM	TT300(-P, -C, -D, -E)	BLACK IGV THROAT WITH THIN RIM, TALL
100050-5	KIT - IGV HOUSING ASSEMBLY AND 'O' RING TT300 R22 RETROFIT	R22	OEM	TT300(-P)	BLACK IGV THROAT WITH THICK RIM, TALL, VALVE
100050-6	KIT - IGV HOUSING ASSEMBLY AND 'O' RING TT400-P	R134A	OEM	TT400(-P)	BLACK IGV THROAT, SHORT
100050-7	KIT - IGV HOUSING ASSEMBLY AND 'O' RING TT400	R134A	OEM	TT400(-C, -E)	GOLD IGV THROAT
100050-8	KIT - IGV HOUSING ASSEMBLY AND 'O' RING TT500	R134A	OEM	TT500(-A, -E)	STEEL IGV THROAT
100050-9	KIT - IGV HOUSING ASSEMBLY AND 'O' RING TT350	R134A	OEM	TT350 (-A, -E)	BLUE IGV THROAT
100050-15	KIT - IGV HOUSING ASSEMBLY AND 'O'RING TG310	1234ze(E)	OEM	TG310(-E)	BLUE IGV THROAT

There are other replaceable components such as the IGV Motor Kit (P/N 100035-X) and 3 Pin IGV Feedthrough Kit (P/N 100321) which will continue to be available. See the latest spare parts guide for more detail.

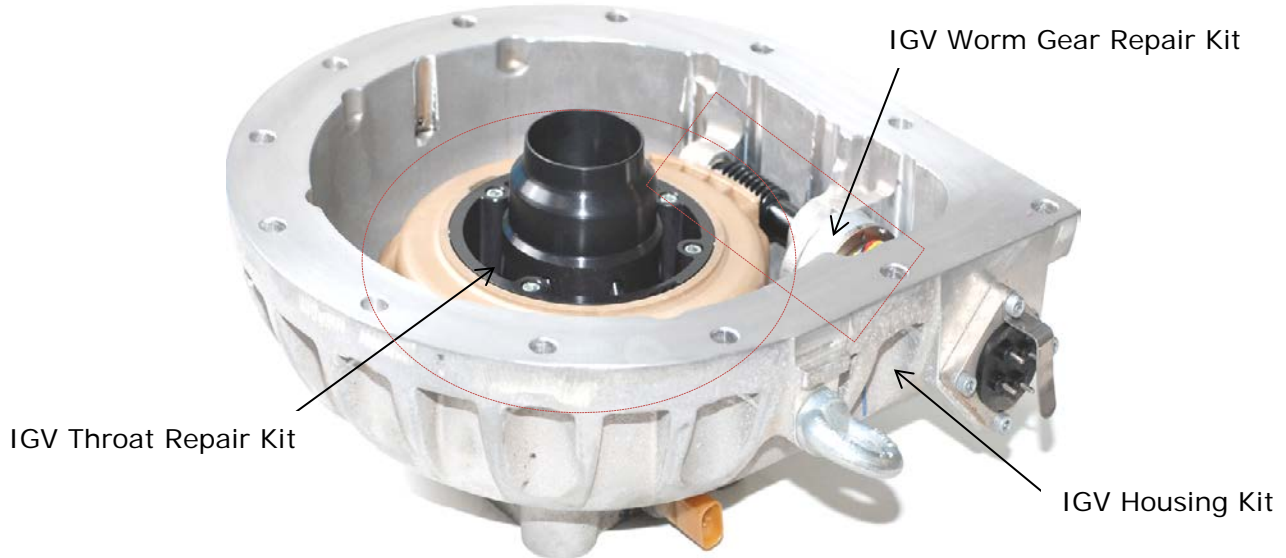
Additionally, the O-Rings and O-Ring grease can be found in the following kits.

PART NUMBER	DESCRIPTION	REFRIG	MODEL TYPE
100051	KIT - 'O' RING - IGV ASSEMBLY	R134a R22	All TT Series
100051-1	KIT - O'RING-IGV ASSEMBLY TG310	R1234ze	TG Series

New IGV Repair Solutions

Danfoss Turbocor now has additional IGV repair solutions for specific subassemblies. The new kits available are the (1) IGV Worm Gear Repair Kit, (2) IGV Housing Kit, and (3) IGV Throat Repair Kit.

Danfoss Turbocor recommends changing the O-Rings when installing or replacing any of the components which are included in new IGV Repair Kits. 100051-X O-Ring kits can be purchased separately.



In order to repair/replace any of the new IGV Kits, a special tool is required. The IGV Extractor Tool must be ordered separately. The IGV Extractor tool works for all models and the part number is shown in the table below.

Part Number	Description	Models
100246	KIT, EXTRACTOR WORM GEAR	All

Kit-IGV Worm Gear Repair

The IGV Worm Gear kit part number is shown in the table below.

Part Number	Description	Models
100222	KIT - IGV WORM GEAR SHAFT REPAIR	All

This kit contains the Worm Gear, Stepper Motor, and Bearings along with the associated Collars and Clips needed to secure the components in place. The kit also contains installation instructions.

Kit-IGV Housing

The IGV Housing Kit part numbers are shown in the table below based on the specific model being replaced.

Part Number	Description	Models
100223	KIT - IGV HOUSING - TT300/SIE/N/R22	TT300(SIE, -N, R22)
100224	KIT - IGV HOUSING – TT300P/C/D/E/TT350/TT400/TG310	TT300(-P, -C, -D, -E)
		TT350 (All)
		TT400 (All)
		TG310 (All)
100229	KIT - IGV HOUSING - TT500A/E	TT500 (All)

This kit contains the external aluminum housing, IGV indicator, and plugs. The kit also contains installation instructions.

This kit does not contain the Suction Pressure/Temperature Sensor, Feed-thru, or Eye-Bolt. Those components are included as part of the 100050-X IGV Housing Assembly or they can be replaced separately as needed.

Kit-IGV Throat Repair

The IGV Throat Repair Kit part numbers are shown in the table below based on the specific model being replaced.

Part Number	Description	Models
100225	KIT - IGV REPAIR - TT300R22	TT300(-P R22)
100226	KIT - IGV REPAIR - TT300N/SIE	TT300 (-N, SIE)
100227	KIT - IGV REPAIR - TT300P/C/D/E	TT300 (-P, -C, -D, -E)
100228	KIT - IGV REPAIR - TT350/TG310	TT350 (All)
		TG310 (All)
100230	KIT - IGV REPAIR - TT400P	TT400 (-P)
100231	KIT - IGV REPAIR - TT400C/E	TT400 (-C, -E)
100232	KIT - IGV REPAIR - TT500	TT500 (All)

This kit contains the IGV throat assembly and installation instructions.

Action Required

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No Action is required by customers at this time. For pricing information, please contact your Key Account Manager.

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