

## ANNEX F

### Warranty for Engines and Original Spare Parts – Warranty Process



## Industrial Warranty Procedures Engines

### Fiat Powertrain Technologies Limited Warranty Terms

Effective date November 1<sup>st</sup>, 2004

Revision August 21, 2007

#### Terms and Conditions General warranty statement:

2 year limited warranty coverage; the warranty applies to new engines sold to customers anywhere in the world where Fiat Powertrain Technologies (FPT) approved service is available. The FPT warranty covers the supply of parts that can not be used on the account of a factory defect in material or workmanship subject to guarantee prior ascertainment of the cause of said defects. The simple cost of labor for replacing the part or parts is the liability of the engine manufacture, FPT. The customer or owner of the engine is responsible for the removal and replacement of the engine if need be for parts replacement. (Amendment to Annex F)

**1st Year** Full Engine Coverage, unlimited hours total coverage for components supplied by Iveco Motors. Plus the parts and repair labor time.

**2<sup>nd</sup> year** Limited Coverage Select components only listed below. Plus the repair labor time.

Engine block	Timing gears
Sleeves	Oil pump
Crankshaft	Exhaust manifold
Connecting rods	Pistons
Flywheel	Cylinder head
Camshaft	Bosch ECU

The starter and alternator are covered up to 3000 total original hours or 24 months which ever comes first.

**Irrigation program application only:** 24 months or 3000 hours full engine coverage which ever comes first; the first 12 months is unlimited hours.

#### **Standby Generator Applications**

60 months or 2000 hours; maximum usage 400 hours per year.

Fiat Powertrain Technologies of North America, Inc

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## Applicability of the guarantee

The guarantee is not applicable in the following cases:

- If the engine has been used in any way that does not conform with the indications provided by FPT (handling errors, overloading, use of unsuitable fuels or lubricants, poor quality coolant and not just limited to these conditions).
- In the event of the unfulfilled observance of maintenance standards, including periods during which the engines are not being used the guarantee will be voided.
- If the failure is the outcome of an installation procedure that does not conform within specifications or if the engines have been modified and/or repaired without following the conditions or repair procedures represented in the FPT application or manuals.

The purchaser explicitly and specifically accepts the guarantee rules contained here and, consequently, may not insist on annulment of the contract or claims for damages.

## Warranty Registration Certificate

The purpose of the warranty registration certificate is to register each engine with FPT.

The certificate information must provide the shipping date to the customer, with engine serial number and model; submitted to email to [lowell.hahn@fptpowertrain.com](mailto:lowell.hahn@fptpowertrain.com) 10 days of delivery to validate the warranty or by mail. (Amendment to Annex F)

The Warranty start date will begin on the date of delivery to the customer. If the *Revalidation of Guarantee for the long term stored engines has been followed*.

## Revalidation of Guarantee for the long term stored engines

In the event in which it is not possible to sell an engine to be placed into service within 12 months from the date of dispatch from the factory. The engine must be re-treated every 12 months after delivery from Italy according to the following procedures:

1. Carefully check all drive belts and the v-groove in the pulley for corrosion.
2. Drain all existing oil in the sump and in the injection pump.
3. Replace the lub, oil filter and fill the sump and pump regulator house with protective oil MIL-L-2160 B type 2 or equivalent product.
4. Connect the fuel feeding line at pump side with a supply of CFB oil (ISO 4131).
5. Filling the cooling system with inhibited coolant.
6. With the stop control in the "stop position" turn the engine on the starter motor until oil pressure is built up.
7. Run the engine for 15 minutes at 500-800 rpm; and at the end, using syringe, slowly (1 minute) introduce in the inlet manifold the following quantity of MIL-L-2160 type 2 or equivalent product:

3-4 cylinder engines and bank of 8 cylinder engines.

60 gr.

6 cylinder engines.	120 gr.
12 cylinder engines per bank.	80 gr.

8. Stop the engine and drain the inhibition oil. The oil can be used to inhibit 2 other engines.
9. Remove the fuel supply and re-connect the line.
10. If coolant is left in the system, the raw water must have adequate Paraflu' 11 additions to prevent the possibility of future frost damages otherwise drain the ensuing that no water remains in the engine and in the coolers.
11. Loosen the belts and ensure that all open apertures (air intakes, exhaust manifold, etc.) are securely sealed.
12. Store the engines under shelter in an area not subject to extreme variations in temperature and humidity and label them with "no oil" notices.
13. When this procedure is completed, register this with FPT in order to have reinstatement of the shelf-life warranty of up to a total period of 24 months.

The purchaser is liable for:

1. Out of pocket travel expenses.
2. Labor expenses deriving from dismantling, replacement and transport of the engine to and from the user's premises,
3. Expense derived from the use of cranes or other equipment needed to remove and/or re-install the engine and working needed to make the engine accessible for all the various operations.
4. Taxes and all other sums due and not foreseen by the guarantee.

#### Handling of Failed Warranty Parts

- All parts must tagged and cleaned (unless cleaning destroys the evidence), plus stored in a protect place from the elements.
- **Service parts are required to be held until your company receives reimbursement for the warranty claim.** When your company receives reimbursement the part or parts can be scrapped.
- Failed part or parts photos maybe required. FPT kindly ask your company to make use of digital cameras when necessary.
- FPT will be responsible for all freight charges regarding returned parts for warranty inspection.

## North American Service Reimbursements Rates

### Labor:

Shop posted labor will be paid. Rate must be on file at FPT. If posted shop labor is not on file, the authorized repair center will be paid \$50.00 per hour for warranty reimbursement until a labor request form has been submitted to FPT.

### Repair times:

Labor will be paid in line with times published in the FPT compact repair times (CRT) manual; any time in excess must be clearly expressed on the relevant warranty claim form.

### Travel time:

The travel time rate will be paid at a value of 80% of the posted shop labor rate on file with FPT for reasonable travel times.

### Mileage:

Should be calculated at .55 per mile for the round trip. 1 round time. A Maximum of 300 miles will be reimbursed, but not limited to this range.

### Service Parts:

The total reimbursement for the Service part or parts used in the warranty repairs is calculated as follows:

Total parts credit = Distributor Net Price + Parts Profit [Dist. net price for part x 20%].

### Outside expenses:

When reasonable and justified; invoices are required.

## Warranty Claim Procedure

- All Claims must be filled out properly and be legible; they can be either typed or hand written in black ink.
- **The claim must include delivery date with model, serial number and hours of service.**
- One failure per claim is allowed unless this claim is regarding a catastrophe failure.
- In order to process the claim in a reasonable amount of time, the claim must be submitted with 30 days of the repair completion.
- All additional miscellaneous expense must have appropriate invoices attached to claim or the process will be delayed unless those receipts have been received by the Product Support Department.
- The failure must have a clear, understandable and decisive explanation on the claim. "Defective" is not a sufficient description.
- All claims must have a signature from the authorized service center manager.

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The Annex F applies for all other conditions; Warranty for Engines and Original Spare Parts-Warranty Process.