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Doosan Infracore
Portable Power

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TECHNICAL SERVICE BULLETIN

Number: PC12-045

Date: Mar 19, 2009

Revised (10-12)

Subject: Tier II WIR Engines in Extreme Cold.

Models Affected:

P185WIR	P260WIR
Serial Code B02	Serial Code A24

Remedy:

When operating in climates with sustained temperatures below Zero, change the engine oil to a Grade 0WT, as well as install a engine breather heater on the engines crankcase breather tube. Using the attached instructions install heater CCN 22810444.

Warranty:

We will accept warranty claims for 1 hour labor and parts till Sept. 2009, no travel or mileage will be accepted.

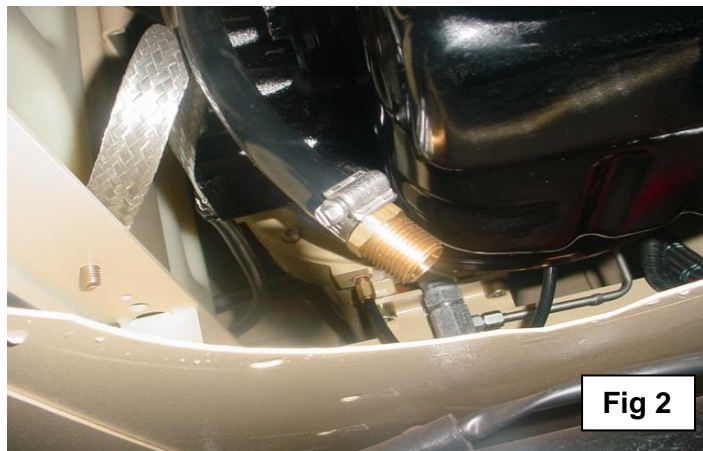


WIR Tier II Cold Weather Breather installation instructions

Step 1: Remove the service access plug from the bottom of the belly pan of the unit to gain access to the engine breather tube routed under the oil pan. Straighten out the engine breather tube and cut enough of the tube off to leave at least 2 inches of air gap between the bottom of the tube and the belly pan Fig 1. Length of tube removed may vary.

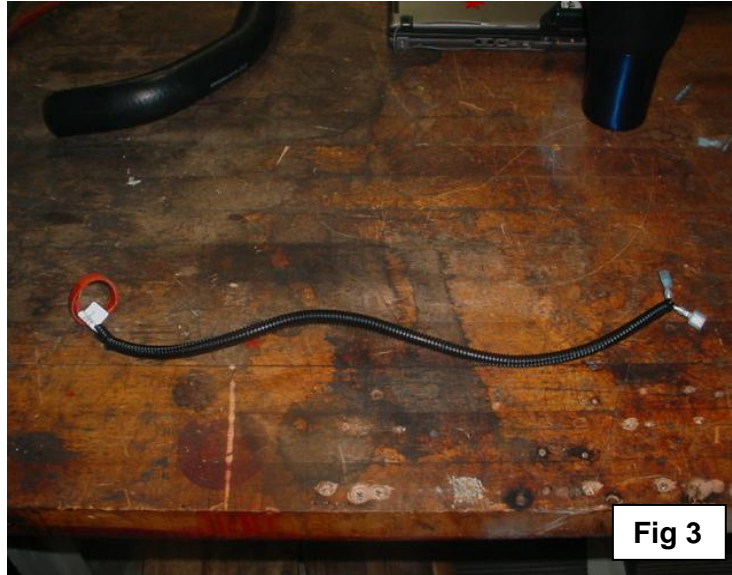


Step 2: Attach adapter part no. 35326560 to the tube and secure it to the tube using a 1 inch hose clamp Fig 2.

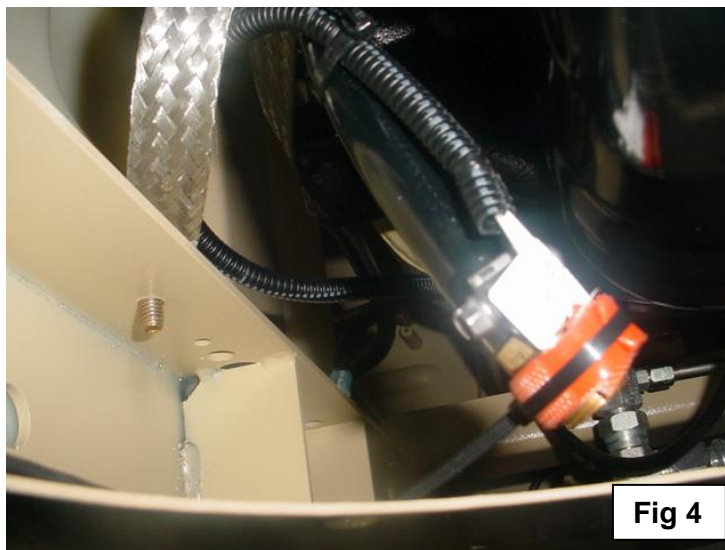


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Step 3: Take heater part no. 22810444 and cover the leads with 24 inches of plastic wire loom to protect the wire Fig 3.



Step 4: Install the heater on the threaded portion of the adapter by overlapping the inner element then do the same with the outer band and use a plastic zip/wire tie around the band to secure it to the adapter fitting. Then secure the wire lead to the breather tube with a zip/wire tie about 1 inch up from the heater Fig 4.

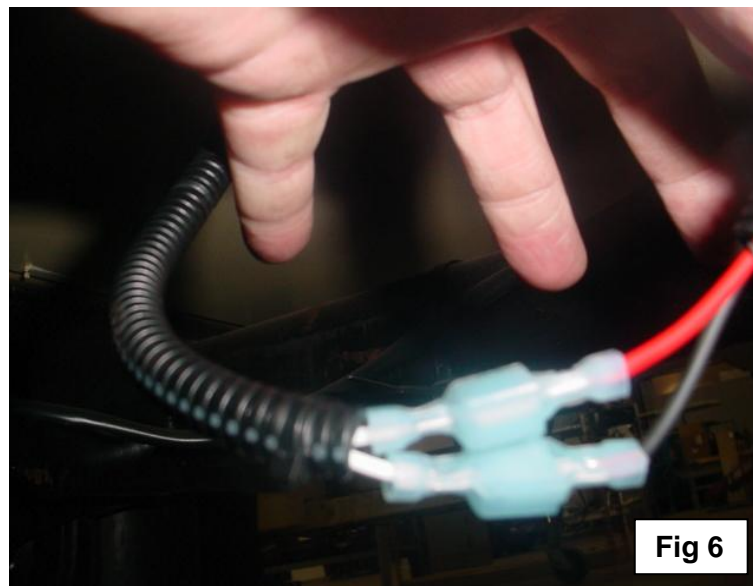


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Step 5: Build a 6ft 2 wire harness by using 1 6ft piece of black 16ga wire and 1 6ft piece of red 16ga wire with a 5amp in line fuse holder. On the heater end use insulated female spade connectors and on the fuse end strip $\frac{1}{4}$ of the insulation. Install the wires into a 6ft piece of plastic wire loom Fig 5.

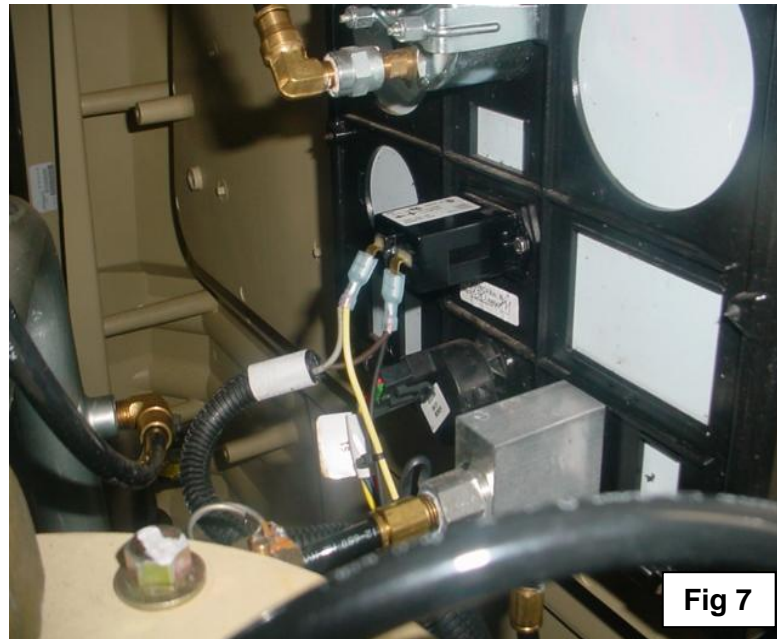


Step 6: Connect the leads of the harness to the heater connections (polarity doesn't matter). Then run the wiring harness along the trailer lighting harness in the lower frame putting a zip/wire tie about every foot to secure it from moving around till the harness reaches the hour meter on the control panel Fig 6.



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Step 7: Remove the wire from the positive side of the hour meter and cut the female spade terminal and put it and the positive wire from the heater into a new female terminal and reinstall on the hour meter. Then remove the negative side and duplicate the process Fig 7.



Step 8: Reinstall service cover back onto the belly pan of the unit.