

# Service Checklist for ICEPACK 2000 Series

## 500 Hour Service Interval



Services are straightforward and generally take less than 1 hour. The unit should be blown out with compressed air at all services. Pay careful attention to condenser, alternator and motor cooling fins. Change the oil and oil filter at 500 Hour service intervals, oil filter must be changed.

- ☐ **Engine Oil** Monograde **40**. Low detergent only, every 500 Hrs at 2.0L per oil. **DO NOT** use synthetic oil in Icepack units, and we also advise strongly against the use of Multigrade Oils following the results of our testing. Haultech recommend **Gulf Western – (Turboil 40)** available in 5L, 20L and 205L drums.
- ☐ Check Air Filter regularly and replace if necessary or replace at 1000 Hrs.
- ☐ Fuel filter: change every 1000 Hrs.
- ☐ Belts: Check and adjust the drive belts.
- ☐ Check charge voltage (13.0V compressor engaged and 14.3V compressor dis-engaged). Engine running at 2150 rpm.
- ☐ Check operation of fan.
- ☐ Check integrity of frame mounting bolts.
- ☐ Check the evaporator cooling performance and for clear sight glass in the receiver drier, also check evaporator drain tubes.
- ☐ General check over for loose fitting parts, or equipment rubbing or signs of oil, fuel and refrigerant leaks.
- ☐ Check icepack for wiring loom integrity.
- ☐ Valve Clearance. Adjust every 1000 Hrs. (0.25mm on both Inlet and Exhaust).
- ☐ Re-Check oil warm – **DO NOT** over fill.

### Parts

**Air Conditioner Compressor** - SP-2300, CM9312J Cooldrive, CXI1291 Ashdown

**Oil Filter** - SP-2225, Donaldson P559128

**Air Filter Yanmar Engine** – SP-2222, Yanmar 114210-12590

**Alternator** - SP-2160, All Icepack Alternators use a dual voltage regulator 73mm drive pulley

### Belts

**Icepack NC**.....2 x 13A0940

### Condenser

**6 row copper tube condenser** - SP-2310, Haultech Supply Only

**Aluminium condenser** – SP-2314, CNA105 Cooldrive

### Icepack Electric Fans

**9inch NC exhaust fan** – SP-2142, EF3581 Cooldrive – EFX5501 Ashdown

**11inch Copper condenser fan** – SP-2130, EF3574 Cooldrive – EFX5530 Ashdown

**12inch Aluminium condenser fan** – SP-2133, EF3576 Cooldrive – EFX4506 Ashdown

**Evaporator** - SP-2322, EV2206 Cooldrive

**Fuel Consumption** - Icepack 2000 Series engines use approx 0.70 Litre, Per Hour of running

**Fuel Filter**. Donaldson P550440, WIX 33777

**Fuel pump** - SP-2119, FPX008 (Or FPX008BL) .....Available through Ashdown

**Receiver Dryer** - SP-2250, RD2089 or SP- 2252 RD2088 either drier may be required depending on the various mounting options.

**Thermostat** - SP-2306, TSX7004 Ashdown

**TX Valve** - SP-2305

All other parts and technical information, and wiring diagrams are available by contacting our head office.

### Wiring Colour Codes

Black.....Earth  
Black with white trace.....Alternator Voltage  
Red.....Permanent Live  
Brown.....Switched power  
Blue with black trace.....Temperature sender  
White with black trace.....Oil pressure switch

Blue.....Compressor control  
Green.....Shut Down  
Yellow.....Start  
White.....Switch signal  
Blue with red stripe.....24v charge signal

**WARRANTY CONDITIONS:** Icepack Warranty extends for a period of 12 Months from the, in service date of the prime mover. All repairs must be pre-approved and authorised by Haultech Engineering. Haultech Engineering recommends that repairs be carried out only by their authorised service/repair agents throughout Australia. Service intervals as listed above must be followed and documented to be considered for warranty coverage. This warranty applies only to components and materials considered faulty by Haultech Engineering for repair, and not for any other associated costs or damages incurred by the operator.

### ICEPACK Head Office

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### Authorised Agents

Brisbane: Icepack - 1800 625 746

Darwin: N.T Auto Air - 0418893043

Townsville: Peter Clarke Air Conditioning - 07 4774 6802

Toowoomba: Icepack Services - 07 46340165

Perth: Western Air Icepack Services - 0438 606 106

Bendigo: Trans Air & Electrical - 0429 842 644

Melbourne: Truck Air - 0418 538 509

Adelaide: Truck Art - 08 82626399

Maitland: SLS Custom Stainless - 02 4932 6304

Sydney: A & I Auto Electrics - 02 9609 8200 - MVM St Marys - 02 98331911