

# SCOTT MARINE POWER

High Performance Diesel Engines ▪ Transmissions ▪ Generators

3786 SW 30th Avenue ▪ Fort Lauderdale, FL 33312

Phone 954-584-7668 ▪ Fax 954-584-7670

www.scottmarinepower.com ▪ Email parts@scottmarinepower.com

## Owner's Maintenance Recommendations & Spare Parts List

### Inspect

Engine exterior for loss of oil & coolant	Daily
Coolant level (replenish with distilled water and approved coolants)	Daily
Primary fuel filter bowls	Daily
Engine oil level/gearbox oil level	Daily
Engine alarms	Daily
Functioning of instruments	Daily
Fluid level of starter battery & tightness of connections	Monthly
Coolant hoses for leaks and appearance	Monthly
Fuel lines for leaks	Monthly/As needed
V-belt tension V-belt(s) (retighten if necessary)	Monthly
Low idle speed setting (adjust if necessary)	Yearly
Concentration of antifreeze/anti-corrosion agents	Yearly
Condition of elastic coupling	Yearly

### Inspect and/or Service

Change primary fuel filters	As needed
Service air filter	As needed
Change engine oil & filter (Normal Oils)	200 Hrs or Annually
Change engine oil & filter (Synthetic Oils)	400 Hrs or Annually
Change secondary fuel filter or as necessary	200 Hrs/as needed
Service injection nozzles	1,000 Hrs/as needed
Service injection nozzles (Common Rail)	As Required
Service hose clamps, pipe connections and fasteners	Yearly/as needed
Change raw water pump impellers	Yearly/1,000 Hrs
Service intercoolers/charge-air pipes/turbochargers	Yearly/1,000 Hrs
Service heat exchanger (Bundle)	Yearly/1,000 Hrs
Retighten cylinder head bolts	At 400 hrs (one time)
Setting of valve clearance if necessary	At 400 hrs/ Yearly/1,000 Hrs
Change both valve caps on expansion tank	Every 2 years
Change coolant (Regular coolant)	Every 2 years
Change coolant (Extended life coolant)	Every 4 years

### Engine Operating Speeds:

**Low Idle:** An idle speed of no less than 600 RPM (in gear) is recommended. Under no circumstances should idle speed be below 550 RPM in gear.

**Full RPM:** Under normal sea conditions the engine should always be able to reach rated RPM (2200 RPM – D28 series in-line engines, 2300 RPM – for all V-engines). Recommended cruising speed should be at least 10% less than rated speed. Rated RPM must be achieved at full throttle.

The under water gear (props, shafts, rudders, etc.) and the bottom of the boat should be clean and free of damage for optimum engine performance.

The above list is a guideline.  
Always refer to your MAN Operator manual for specific information.

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## Suggested Spare Parts:

### Cruising Kits

#### V-engines D2848, D2840, and D2842

- 4 Oil Filters
- 4 Oil Filter O-Rings
- 16 Oil Filter CuSeals 18x22
- 8 Oil Filter CuSeals 14x18
- 4 Fuel Filters
- 4 V-Belt
- 1+1 Heat Exchanger Cap
- 4 or 8 Water Pipe Gaskets (depending on model)
- 16 Valve Cover Gaskets (depending on model)

#### In line engines D2866 and D2876

- 2 Oil Filters
- 2 Oil Filter O-Rings
- 8 Oil Filter CuSeals 18x22
- 4 Oil Filter CuSeals 14x18
- 4 Fuel Filters
- 2 V-Belts
- 1+1 Heat Exchanger Cap
- 4+4 Water Pipe O-Rings
- 12 Valve Cover Gaskets

#### In line engine D0836

- 2 Oil Filters
- 4 Fuel Filters
- 2 Belts
- 1+1 Coolant Caps
- 6 Valve Cover Gaskets
- 2 Impellers
- 2 Impeller Gaskets

#### Raw Water Pump Kit with Impellers

- 2 Impellers
- 2 Impeller Gaskets
- 2 End Covers
- 2 Mechanical Seals
- 2 Oil Seals
- 2 Cam Plates
- 2 or 4 Cam Screw (depending on model)

**To ensure accuracy of your order, please provide us with the model and serial # of your engines.**

Part orders can be placed by phone, fax or on-line.  
Walk in business also welcomed.  
Visa and Mastercard accepted.

### O-Ring Kit

- 2 Breather O-Rings
- 2 Water Pipe O-Rings
- 6 Large Boost Pipe O-Rings
- 2 Small Boost Pipe O-Rings
- 4 Heat Exchanger O-Rings
- 4 Water Pipe O-Rings
- 3 Water Pipe O-Rings
- 2 Water Pipe O-Rings

### Hose and Clamp Kit

- 8 #12 S/S Clamp
- 4 #16 S/S Clamp
- 4 #24 S/S Clamp
- 4 #28 S/S Clamp
- 8 #32 S/S Clamp
- 8 #36 S/S Clamp
- 8 #44 S/S Clamp
- 8 #48 S/S Clamp
- 6 pc. 3/4" Hose W/O Wire

### Impeller Puller Deluxe

- 3 sets of jaws

### Impeller Puller Standard

- 1 set of jaws

### Complete CuSeal Kit

- 600 Piece

