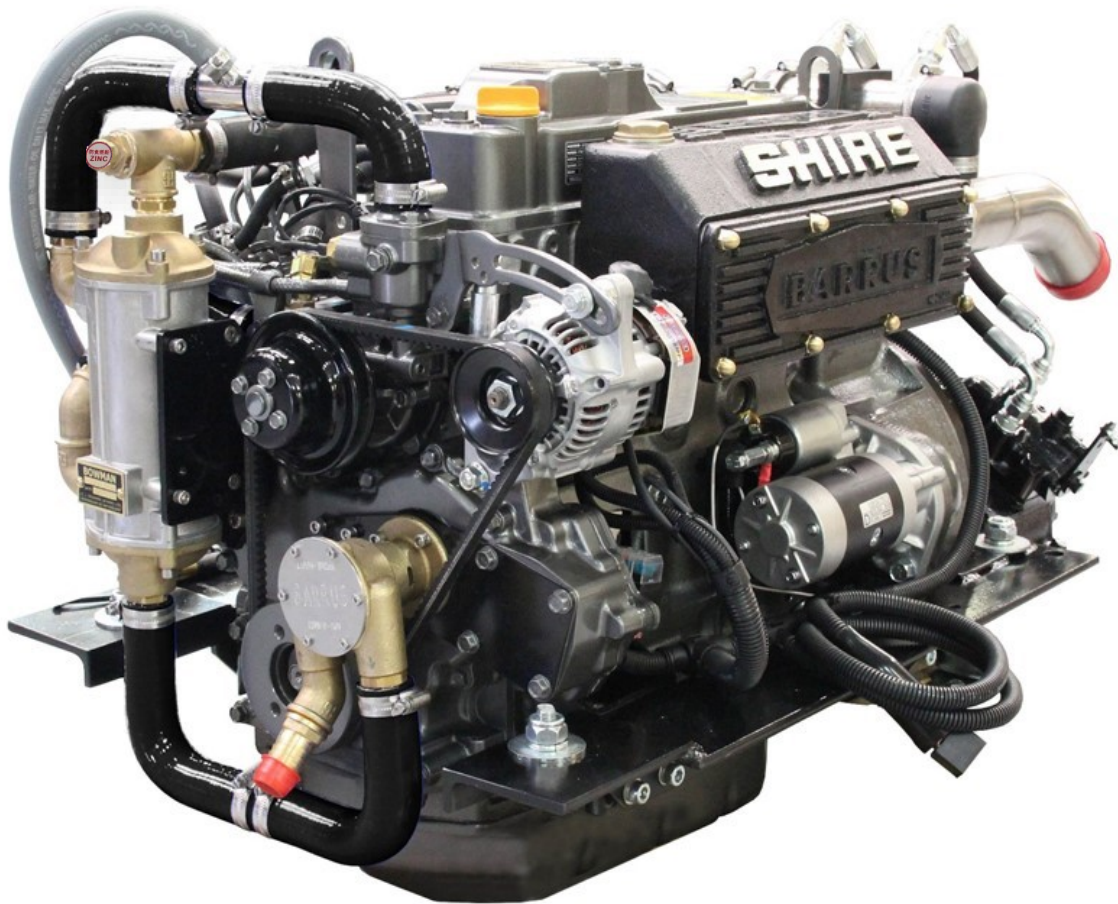




# **SHIRE** PARTS BOOK



For the following engine models\*:

Shire 40 WB

Shire 45 WB

Shire 50 WB

\*Standard Model, there may be a number of optional extras, or alternative components, that may be fitted to an engine that are not shown in this book.

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## Base Engine Model

Shire Model	Base Engine
Shire 40 WB	4TNV88-BDYED-SH
Shire 40 RB	4TNV88-BDYED-SH
Shire 45 WB	4TNV88-BDYED-SH
Shire 45 RB	4TNV88-BDYED-SH
Shire 50 WB	4TNV88-BDYED-SH
Shire 50 RB	4TNV88-BDYED-SH

On the E.P Barrus Website there is a Shire 40,50 WB/RB Parts Book which has a more extensive list of parts available for your engine. To access the Shire Parts Books on the internet, type the following short link into your search engine:

<https://www.barrus.co.uk/divisions/marine/diesel/shire/downloads/shire-parts/?p=1>

For the Shire Shop, visit:

<https://shireshop.co.uk/>

## Service Parts

	Description	Part No.	Model
	Primary Fuel Filter	RDG2238	Shire 05 50 Shire 06 50
	Primary Fuel Filter	RDG9188346	Shire 09 50 Shire 11 50 Shire 12 50 Shire 14 50 Shire 50
	Secondary Fuel Filter	119802-55810	All
	Air Filter Element	RDG5795	All
	Oil Filter	129150-35170	All
	Fuel Filter Drain Screw	RDG9189022	Shire 09 50 Shire 11 50 Shire 12 50 Shire 14 50 Shire 50
	50A Alternator Belt	RDG6079	Shire 40 Shire 05 50 Shire 06 50 Shire 09 50 Shire 11 50 Shire 12 50 Shire 14 50



50A Alternator Belt

RDG004A4

Shire 50  
(Up to Serial  
No 50-02830)



50A Alternator Belt

RDG6079

Shire 50  
(From Serial No  
50-02831 for  
Model with Belt  
Auto Tensioner  
and Dry  
Manifold)



50A Alternator Belt

RDG004A4

Shire 50  
(From Serial No  
50-02831 for  
Model with Belt  
Auto Tensioner  
and Wet  
Manifold)



160A Alternator Belt

RDG0047511

Shire 05 50  
Shire 06 50  
Shire 11 50



160A Alternator Belt

RDG0047859

Shire 09 50



240A Alternator Belt

RDG0047511

Shire 11 50



240A Alternator Belt

RDG0047498

Shire 40  
Shire 12 50  
Shire 14 50  
Shire 50

## Fuel Filter Head



Description	Part No.	Model
Secondary Fuel Filter Head	129004-55612-9	All

## Consumables



Description	Part No.	Model
Engine Oil 10W40 CD 5L Container (This can also be used for a PRM 150 and PRM 280 Gearbox) NOTE: This part number supersedes RDG2797	RDG6110	All
Diesel Fuel Additive 500ml Container	RDG80210219	All

## Control Panel Parts

**\* The Shire 05 50, Shire 06 50, Shire 09 50 and Shire 11 50 used a different type of panel which is no longer available. If the Control Panel or any of the parts on it require replacement the newer Standard/Deluxe Control Panel would be required.**

	Description	Part No.	Model
	Standard Control Panel	RDG20710110	All*
	Deluxe Control Panel	RDG20710111	All*
	Ignition Switch	RDG215A5	All
	Ignition Key (for switch RDG215A5)	RDG215A196	All
	Ignition Switch Kit (to replace ignition switches fitted before 2016)	RDG215A6 (SS1626)	All
	Tacho Gauge	RDG20710158	All
	Oil Pressure Gauge	RDG21710160	All
	Voltmeter Gauge	RDG21710161	All



Water Temperature  
Gauge

RDG21710159

All



Control Panel Warning  
Light

RDG20910163

All



## Electrical Parts



Description	Part No.	Model
Extension Loom (2.3m)	RDG4041	All
50A Alternator	AND0286	All
150A Alternator (160A Alternator originally supplied but is no longer available)	RDG20110201	Shire 05 50 Shire 06 50 Shire 09 50
170A Alternator (A 170A Alternator or 240 Amp Alternator may have been supplied depending on parts availability at the time of engine manufacture)	RDG201A29	Shire 50
240A Alternator (A 240A Alternator or 170 Amp Alternator may have been supplied depending on parts availability at the time of engine manufacture)	RDG2019682	Shire 11 50 Shire 12 50 Shire 14 50 Shire 50
Starter Motor	SHI0112	All
Stop Solenoid	119653-77950	All











Electric Fuel Pump	RDG504A90	All
Water Temperature Switch	121250-44901	All
Water Temperature Sender (only if Deluxe Panel is fitted)	RDG6765	All Shire 50 Shire 05 40 Shire 06 40 Shire 09 40 Shire 11 40
Water Temperature Sender and Switch (only if Deluxe Panel is fitted)	RDG2189446	Shire 50 (Serial No 45-02818 onwards) Shire 12 40 Shire 14 40 Shire 40
Oil Pressure Sensor (only if Deluxe Panel is fitted)	RDG6752	Shire 05 50 Shire 06 50 Shire 05 40 Shire 06 40
Yanmar Oil Pressure Switch	114250-39450	Shire 05 50 Shire 06 50 Shire 40
Oil Pressure Switch / Sensor (only if Deluxe Panel is fitted)	RDG2189445	Shire 09 50 Shire 11 50 Shire 12 50 Shire 14 50 Shire 50 Shire 09 40 Shire 11 40 Shire 12 40 Shire 14 40 Shire 40



Engine Stop Control System Fuse (40 Amp)	RDG3246	All
Control Panel Supply Fuse (15 Amp)	RDG3245	All
Engine Start Control System Fuse (15 Amp)	RDG3245	All
Glow Plug Fuse (40 Amp)	RDG3246	All
Starter Relay	RDG1396	All
Cold Start Relay	RDG5279	Shire 50 Shire 40

## Gearbox Parts

	Description	Part No.	Model
	Damper Drive Plate for PRM 150 D2 / D3	RDG1766	All
	Shire 60 Drive Coupling (Optional Heavy Duty Damper for PRM 150 Gearbox)	RDG912A37	All
	Damper Drive Plate for PRM 260 / 280 D2 / D3	RDG1957	All
	PRM 150 D2 Gearbox (Unless the optional D3 3:1 Ratio gearbox has been fitted)	RDG1765 (RDG1959)	All
	Gearbox Oil Cooler (This replaces most previous oil coolers fitted on to engines)	RDG2678	All*
	Straight Reducer 35 - 28mm Hose	RDG3018381	All
	Gearbox Oil Cooler Hose (Long)	RDG5690	All
	Gearbox Oil Cooler Hose (Short)	RDG5295	All



Gearbox Oil Cooler Hose	RDG6833	All
Gearbox Oil Cooler Water Hose 28mm x 28mm ID	RDG1883	All
MA100A Gearbox	No longer available. Enquire as to gearbox or drive coupling alternatives.	Shire 11 40

**\* Modifications may be required for the Oil Cooler to fit**

## Pumps



Gearbox Sump Pump 3/4"

RDG2837

All



Gearbox Sump Pump 3/4"

RDG303A12

All



Cam-mounted Raw Water Pump

RDG907A7

All



Cam-mounted Raw Water Pump Impeller

RDG010A4

All



Crank-mounted Raw Water Pump

RDG9079564

All



Crank-mounted Raw Water Pump Impeller

17.200.107 (or RDG0109627)

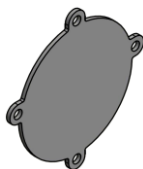
All



Crank-mounted Raw Water Pump Inner Gasket

RDG007A16

All



Crank-mounted Raw Water Pump Front Cover

RDG122A1

All



Crank-mounted Raw  
Water Pump Cover  
Gasket

RDG007A15

All

## Thermostat Parts



### Description

Thermostat (86°)  
(Fitted to single  
thermostat engines)

### Part No.

RDG909A7

### Model

All



Thermostat Gasket  
(Fitted to engine – On  
Shire 06 40, Shire 05 50  
& Shire 06 50 fitted to  
twin thermostat as well)

129350-49541

All

## Header Tank Parts



Description	Part No.	Model
Header Tank	RDG6364	All
Header Tank Cap	RDG1723	All
Header Tank Hose	RDG3310	All

## Heat Exchanger Parts



Description	Part No.	Model
Heat Exchanger	RDG2488	Shire 40/50 WB/RB
Zinc Anode	119574-44150	Shire 40/50 WB/RB



## Auto Tensioner Parts



Description	Part No.	Model
Auto Belt Tensioner	RDG502A5	Shire 50 (From Serial No 50-02831 onwards)
Auto Belt Tensioner	RE518097	Shire 50 Hybrid Engines

## 'E' Kit Parts



Description	Part No.	Model
3.5kW 'E' Kit Alternator Belt	RDG6076	Shire 05 50/40 Shire 06 50/40 Shire 09 50/40 Shire 11 50/40
3.5kW 'E' Kit Alternator Belt	RDG0047511	Shire 12 50/40 Shire 14 50/40 Shire 50/40
5kW 'E' Kit Alternator Belt	RDG6076	Shire 05 50/40 Shire 06 50/40 Shire 09 50/40 Shire 11 50/40
5kW 'E' Kit Alternator Belt	RDG0047511	Shire 12 50/40 Shire 14 50/40 Shire 50/40

## Hybrid System Parts



Description	Part No.	Model
48 Volt Alternator Belt (Port)	RDG004A219	Shire 50 (From Serial No xx-02638)
48 Volt Alternator Belt (Starboard)	RDG004A220	Shire 50 (From Serial No xx-02638)
48 Volt x 60 Amp Balmar Alternator	RDG0047498	Shire 40/50 (Optional Alternator)



## Engine Mount Parts



Description	Part No.	Model
Engine Mount	RDG3033	All
Engine Mount Stud Kit	RDG1867	All



**Engine Parts: Injectors**

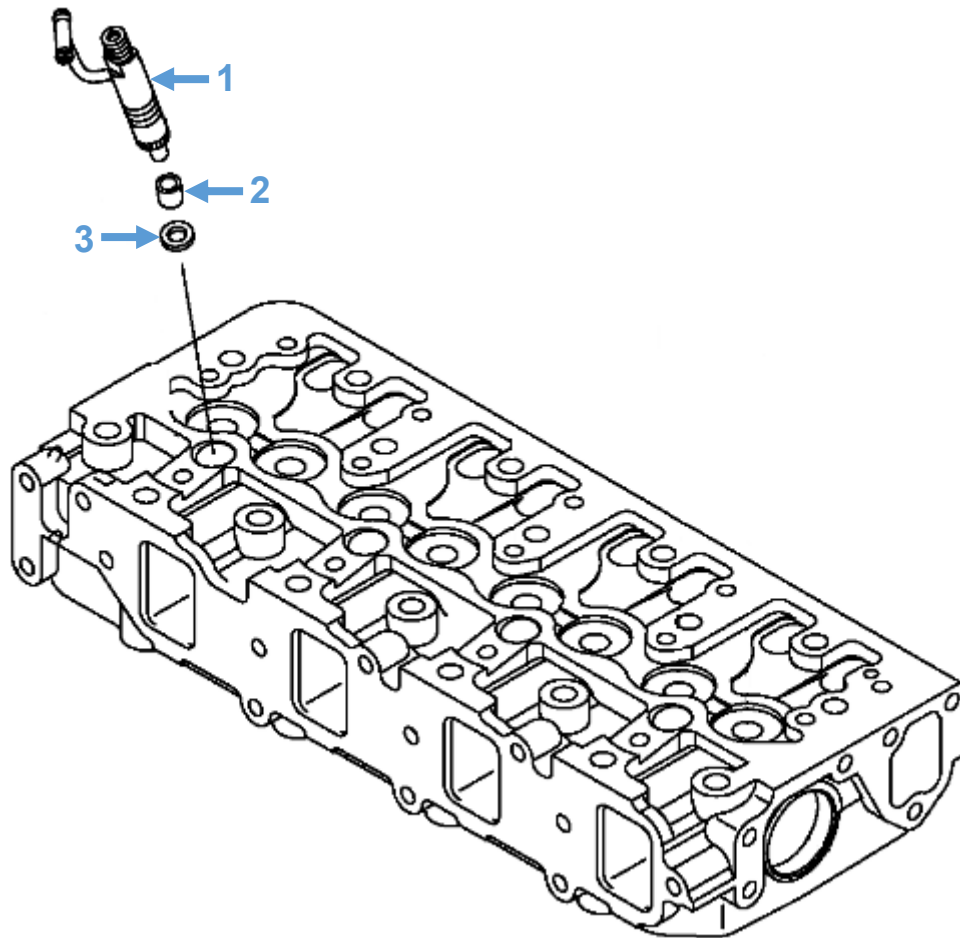


Diagram No.	Description	Part No.	Model
1	Injector	729602-53101	Shire 05 50/40 Shire 06 50/40 Shire 09 50/40 Shire 11 50/40 Shire 12 50/40 Shire 14 50/40
		729604-53200	Shire 50 Shire 40
2	Injector Protector	119802-11870	All
3	Injector Seat	119625-11880	All

**Engine Parts: Fuel Injection Pump**

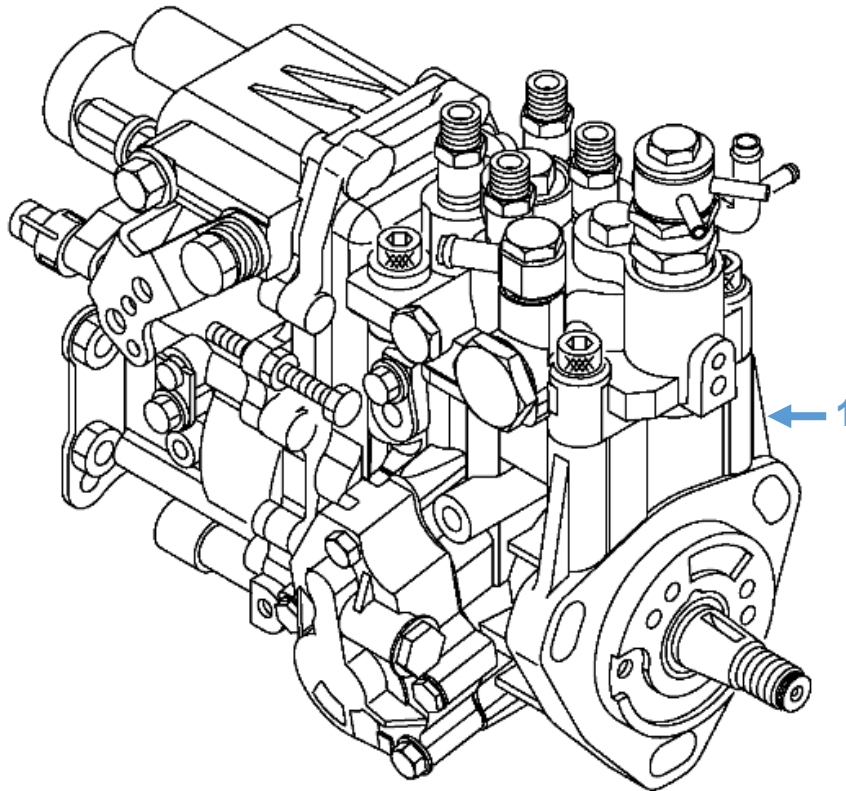


Diagram No.	Description	Part No.	Model
1	Fuel Injection Pump	729602-51310	Shire 05 50/40 Shire 06 50/40 Shire 09 50/40 Shire 11 50/40 Shire 12 50/40 Shire 14 50/40
		729688-51301	Shire 50 Shire 40

## Engine Parts: Rocker Cover Gasket & Oil Cap

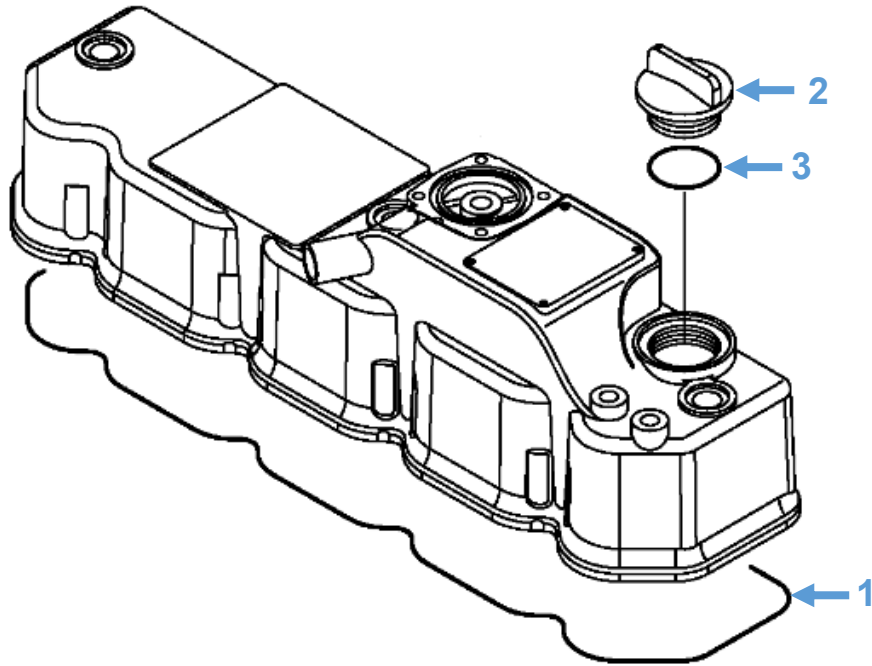


Diagram No.	Description	Part No.	Model
1	Rocker Cover Gasket	129601-11310	All
2	Oil Cap	124160-01751	All
3	Oil Cap O-Ring	24311-000320	All

## Engine Parts: Cylinder Head Gasket

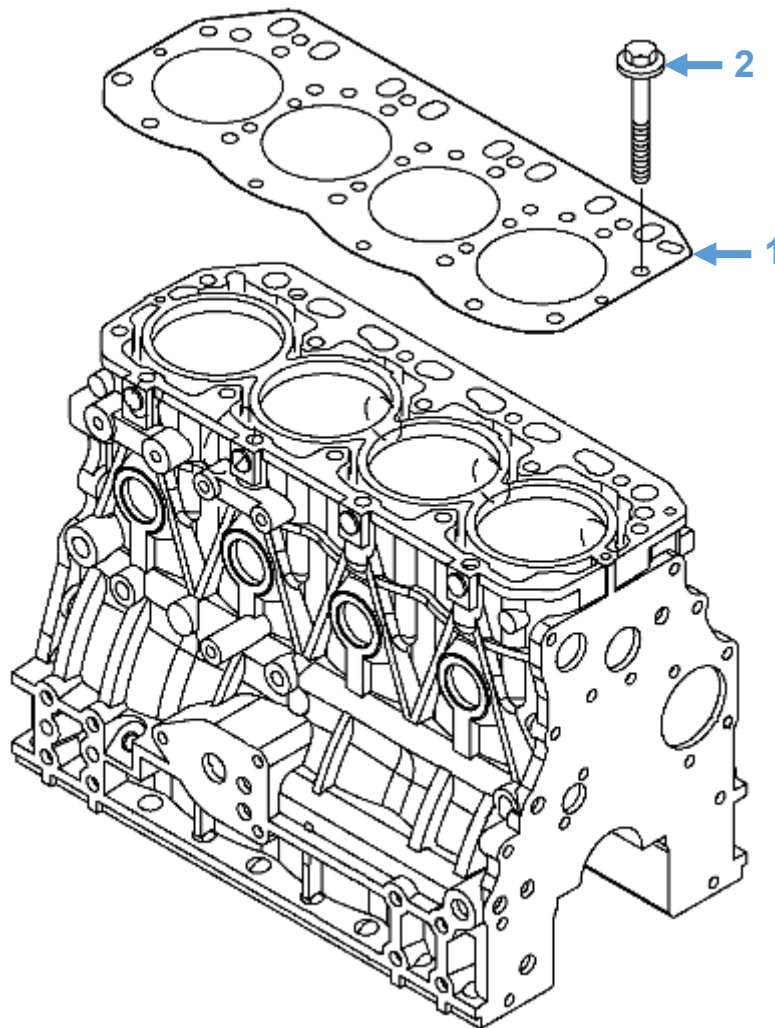


Diagram No.	Description	Part No.	Model
1	Cylinder Head Gasket	129407-01340	All
2	Cylinder Head Bolt	129150-01200	All

## Accessories: Exhaust Equipment

	Description	Part No.	Model
	Exhaust Coupling 1.5"	RDG1916	All
	Flexible Exhaust Pipe Blanket	RDG2477	All
	Flexible Exhaust 1.5"	RDG1879	All
	Dry Exhaust Silencer 1.5"	RDG1911	All
	Hospital Silencer 1.5"	RDG6536	All
	1 1/2" F x 1 1/2" F BSP 90 Elbow	RDG5898	All
	Gasket (Cover Plate)	RDG1726	All
	Gasket Exhaust Manifold	129407-13110	All

## Accessories: Stern gear



Description	Part No.	Model
30" x 1.5" Diameter Propeller Shaft	EPB3841	All
Weldable Sterntube	EPB5534	All
Flexible Shaft Seal (to suit 1.5" shaft)	EPB5536	All

## Accessories: Couplings



Description	Part No.	Model
R&D Flexible Coupling Disc	RDG9129347	All
R&D Split Boss Clamp Coupling (for 1½" propeller shaft)	RDG1079349	All
Centaflex Type 16 Coupling 1.5"	RDG2779	All



## Accessories: Propellers



Description	Part No.	Model
18" x 12" 3 Blade Propeller	18X123PB	All*
19" x 12" 3 Blade Propeller	19X123PB	All*

**Suitable for a 1.5" Shaft, 12:1 Taper**

## Accessories: Lever Controller



Description	Part No.	Model
Single Lever Control Unit (side mounted)	RDG92010055	All
3 Metre Cable	RDG92010056	All

## Dealer List

Area	Company	Telephone	Email
BERKSHIRE	Driveline Marine	0118 942 3877	tam@drivelinemarine.com
	Marcus Marine Engineering Ltd (Servicing, Repairs & Breakdowns only)	07900890911	Marcus@marcusmarine.co.uk
BRISTOL	Advance Marine	01275 815910	phil@advancemarine.co.uk
CHESHIRE	Midland Chandlers	01928 751 800	preston.brook@midlandchandlers.co.uk
	Nantwich Canal Centre Ltd	01270 625122	info@nantwichcc.com
CORNWALL	Armada Engineering	01326 375566	sales@armadamh.co.uk
	Black Dog Marine	01503 265898	blackdogmarine@googlemail.com
	Cellar Marine	01326 280214	john@cellarmarine.com
	Smith's Boat Yard	01208 862815	info@smithsboatyard.co.uk
CUMBRIA	Windermere Aquatic Ltd	01539 442121	service@aquaticboatcentres.com
DERBYSHIRE	Midland Canal Centre	01283 701933	info@mccboats.co.uk
DEVON	Darthaven Marina	01803 752242	admin@darthaven.co.uk
	Mobile Marine	01297 631821	mobilemarine@btconnect.com
	Sleeman & Hawken Ltd	01626 778266	sales@sleeman-hawken.co.uk
	Tonto Marine	01803 844399	enquiries@tontomarine.co.uk
DORSET	Purbeck Marine	01202 686592	purbeckmarine@aol.com
	Rob Perry Marine	01297 631314	sales@robperrymarine.co.uk
EAST SUSSEX	Peter Leonard Marine	01273 515987	info@plmarine.com
ESSEX	French Marine Motors Ltd	01206 305233 01255 850303	info@frenchmarine.com
HAMPSHIRE	Marine Power Ltd	0238 0403918	sales@marine-power.co.uk
HEREFORDSHIRE	Starline Marine	01684 593443	narrowboats@starline.demon.co.uk
HERTFORDSHIRE	Keypart Ltd	01923 276000	sales@keypart.com
	Lee Valley Marina	01920 870499 01920 293101	stansteadmarina@vibrantpartnerships.co.uk
	P & S Marine	01923 248372	pandsmarinellp@gmail.com
LEICESTERSHIRE	Foxton Boat Services Ltd	01162 792285	foxtonboats@btinternet.com

LONDON	Lee Valley Marina	020 88061717	springfieldmarina@vibrantpartnerships.co.uk
MIDDLESEX	Lindon Lewis Marine	01932 247427	service@pushtheboatout.com
NORFOLK	French Marine Motors Ltd	01603 722079	info@frenchmarine.com
NORTHAMPTON	Grand Junction Boat Co.	01604 858043	info@boatrepairs.uk.com
	Midland Changers	01788 891401	braunston@midlandchangers.co.uk
NOTTINGHAM	Farndon Marina	01636 705483	info@farndonmarina.co.uk
OXFORDSHIRE	Service Engine UK	01993 835157	info@serviceenginesuk.co.uk
SHROPSHIRE	Maestermyn (Marine) Ltd	01691 662424	enquiries@maestermyn.co.uk
STAFFORDSHIRE	JD Boat Services Ltd	01902 791811	david@jdboats.co.uk
	River Canal Rescue	01785 785680	enquiries@rivercanalrescue.co.uk
	Stone Boatbuilding Company	01785 812688	stonechandlery@aol.com
	Streethay Wharf	01543 414808	office@streethaywharf.co.uk
WARWICKSHIRE	Barry Hawkins Narrowboats	01827 711762	boats@hawkinsyard.freemove.co.uk
	Onboard Energy	02476 393333	sales@onboardenergy.com
	Springwood Haven Leisure Ltd	0845 4566572	enquiries@springwoodhaven.co.uk
	Valley Boat Services Ltd	07990528123	enquiries@valleycruises.co.uk
WEST MIDLANDS	Stephen Goldsbrough Boats	01564 778210	andy@sgboats.com
WILTSHIRE	Devizes Marina	01380 725300	sales@devizesmarina.com
	Foxhangers Marine	01380 828795	info@foxhangers.co.uk
WORCESTERSHIRE	J L Pinder & Son	01527 876438	sales@jlpinderandsons.co.uk
	Starline Narrowboats	01684 874774	narrowboats@starline.demon.co.uk
	Starline Narrowboats	01531 632003	enquiries@starlinenarrowboats.co.uk
YORKSHIRE	Rodley Boat Centre	01132 576132	rodleyboatcentre@msn.com
MONMOUTHSHIRE	Castle Narrowboats	01873 830001	info@castle.narrowboats.co.uk
SHETLAND	DH Marine (Shetland) Ltd	01595 690618	mail@dhmarine.co.uk
NORTHERN IRELAND	South Shore Marine	020 38341010	info@southshoremarine.co.uk
EIRE	Dun Laoghaire Marine Services	00353 12104776	info@dlms.ie
	O'Sullivan's Marine	003536 67124524	brian@sulliansmarine.com
	Oysterhaven Boats	00353 214843626	sales@oysterhavenboats.com