

## **MANX® PARTS LIST**

The following sheets list the parts we can supply for the Manx Norton. Unless otherwise stated all parts are to 1961 specification, although we can supply some parts for DOHC long stroke and the Oldham Coupling short stroke motors. The Norton part numbers were issued sequentially, so the higher the part number the later that design was introduced. Part number 17000 equates with 1954, so parts with numbers before this fit the long stroke motors.

All parts are manufactured to the exact original specification, with the benefit of original drawings, which together with Norton's production schedules, jigs, fixtures and the rights to the Manx name reached us through the well documented route of Colin Seeley, John Tickle, Unity Equipe. No other manufacturer has access to this depth of information, which allows us to offer our parts as genuine replacements. Indeed some of our existing stock was manufactured by Norton Motors before the closure of Bracebridge Street. The balance is now made in our own workshops, predominantly on modern CNC equipment.

Complete engines are available to order, priced from £ 10,600.00 excluding magneto and carb.

Whilst we ensure that our parts are made to the highest standards, as the fitment and use are outside our control, and as use for racing is likely to ultimately result in failure, we can accept no liability whatsoever for damage arising from such failure. This is a condition of our business, which you are deemed to have accepted upon purchasing parts from us. However, if on receipt of goods purchased from Molnar Precision Ltd., you are not totally satisfied with the quality of workmanship we will be happy to supply replacements or refund any monies paid.

Our normal terms of business are cheque with order. Please add sufficient to cover postage costs, or £15.00 if next day delivery by carrier is required. For urgent email or fax orders we can accept payment by credit card, but in this case 4% will be added to the order total to cover charges made to us by the card companies. Sorry, we cannot accept telephone orders

All UK & EU customers must add VAT at 20% to the prices listed.

Andy Molnar

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<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE .£</u>
<b>A. CAMBOX</b>				
	Cambox, Complete, Assembled. State 350 or 500	1		3,250.00 ea
	Cambox, Complete, For Oldham Coupling Engines	1		p.o.a.
22369	Cambox Shell	1	Both	740.00 ea
22067	Cambox Outer Cover	1	Both	260.00 ea
15002	Cambox Outer Cover 1/4" Stud (short)	10	Both	4.50 ea
15005	Cambox Outer Cover 1/4" Stud (long)	2	Both	4.50 ea
14600	Nuts for Outer Cover Studs	14	Both	1.00 ea
T2221	Washer for Outer Cover Studs	16	Both	0.30 ea
18028	Outrigger Plate	1	Both	145.00 ea
18448	Outrigger Plate Support Stud	3	Both	6.50 ea
VP008	Nut & washer for Outrigger Plate Studs	3	Both	1.00 ea
17329	Shim for Outrigger Plate. State 3, 5, 8 or 10 thou	As reqd	Both	2.00 ea
18358	Cambox Bevel Cover	1	Both	70.00 ea
E6430	Gasket for Bevel Cover	1	Both	2.00 ea
14105	Screws for Bevel Cover	4	Both	1.50 ea
20595	Cambox Input Bevel Gear	1	Both	130.00 ea
E4047	Nut - Bevel Gear Retaining	1	Both	12.00 ea
16121	Vernier Peg - Bevel Gear	1	Both	6.50 ea
E5944	Shim for 20595 Bevel Gear. State 5, 8 or 20 thou	As reqd	Both	2.50 ea
15996	Input Bevel Shaft	1	Both	90.00 ea
15989	Input Shaft Spacer	1	Both	9.00 ea
10338	Spur Gear - Input Shaft	1	Both	125.00 ea
E3683	Woodruff Key - Input Shaft Spur Gear	1	Both	1.00 ea
10370	Nut - L.H. - Input Spur Gear	1	Both	11.00 ea
18322	Ball Race for Input Shaft, behind Bevel Gear	1	Both	24.00 ea
E4209	Ball Race Retainer Plate	1	Both	5.00 ea
E3822	Csk Screw for Retainer Plate	3	Both	0.50 ea
18387	Roller Bearing for Input Shaft (in Outrigger Plate)	1	Both	48.00 ea
17517	Idler Shaft	2	Both	28.00 ea
17239	Idler Gear	2	Both	125.00 ea
10345	Idler Gear Bearing Cage	2	Both	21.00 ea
18367	Idler Gear Rollers	32	Both	0.30 ea
10365	Idler Gear Thrust Washer - Plain	2	Both	5.00 ea
17519	Idler Gear Thrust Washer - Drilled & Grooved	2	Both	8.00 ea
10372	Idler Gear Retaining Washer (presses into gear)	2	Both	7.00 ea
VP009/TH	Nut & Washer - Idler Shaft	2	Both	1.00 ea
10361	Camshaft	2	Both	48.00 ea
10364	Camshaft Nut (Left Hand Thread)	2	Both	8.50 ea
18366	Camshaft Ball Race (in main casting)	2	Both	22.00 ea
18387	Camshaft Roller Bearing (in outer cover)	2	Both	48.00 ea
23553	Roller Bearing Housing (in outer cover)	2	Both	62.00 ea
22384	Shim for 23553 Bearing Housing. State 3, 5 or 10 thou	As reqd	Both	2.50 ea
22068	Blanking Plug for Camshaft Hole (aluminium alloy)	2	Both	32.00 ea
22069	Shim for 22068 Plug State 5, 10, or 15 thou	As reqd	Both	2.50 ea
14598	Locking Plate for 22068	2	Both	4.50 ea
17249	Camshaft Top Hat Bush (shaft to roller bearing)	2	Both	8.50 ea
10376	Shim - 15 Thou - for Camshaft	As reqd	Both	1.00 ea
22390	Cam Gear	2	Both	125.00 ea
22405	Cam Gear Vernier Peg	2	Both	2.50 ea
23687	Cam - Inlet No. I 3823	1	350	95.00 ea
22388	Cam - Exhaust No. M 3916	1	350	95.00 ea
22387	Cam - Inlet No. I 5822	1	500	95.00 ea
22389	Cam - Exhaust No. M 5914	1	500	95.00 ea
---	DLC diamond coating on cams (highly recommended)		Both	45.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
15132	Pusher Bush	2	Both	24.00 ea
23668	Pusher 2 thou oversize available at £10.00 extra	2	Both	106.00 ea
17498	Pusher Cap, (thick, face down to required thickness)	2	Both	15.00 ea
10356	Cam Oil Feed Jet	2	Both	13.00 ea
10354	Holder for Oil Feed Jet	2	Both	13.00 ea
10011	Spring for Oil Feed Jet	2	Both	5.00 ea
10355	Nut for Jet Holder	2	Both	7.00 ea
10999	Union for Cambox Oil Feed Hose	1	Both	7.00 ea

Note: Complete Cambox Assembly includes all the above components.

17886	Cambox Through Bolt - Front - Extended	2	Both	18.00 ea
17885	Cambox Through Bolt - Rear	2	Both	13.50 ea
E5376	Washer - Cambox Bolts	4	Both	0.25 ea
19639	Tacho Gearbox	1	Both	140.00 ea
18386	Spacer Tacho Gearbox – with oil seal	1	Both	30.00 ea
16049	Screw - Tacho Gearbox Retaining	2	Both	5.00 ea
16050	Nut for 16049	2	Both	1.00 ea
20690	Cambox Oil Feed Hose Assy	1	Both	28.00 ea
E6004	Union for Valve Guide Oil Feed (Hairpin Spring Only)	2	Both	6.00 ea
VP104	Blanking Plug to Replace E6004, Coil Spring Engines	2	Both	3.00 ea

## B. CYLINDER HEAD

All the following parts are to 1961 spec. We have stocks of most earlier type components, many being original Norton Parts.

23697	Cylinder Head, c/w seats and guides, beautifully gas flowed	1	500	1,450.00 ea
23577	Cylinder Head, c/w seats and guides, beautifully gas flowed	1	350	1,450.00 ea
23502	Valve Guide - Inlet - 5/16" Stem – "Colsibro"	1	Both	22.00 ea
	Oversize inlet valve guide +1/2, +1, +3, +6, +20 thou	As reqd	Both	28.00 ea
16584	Valve Guide - Exhaust - 13/32" Stem – "Colsibro"	1	Both	25.00 ea
	Oversize exhaust valve guide +1, +3, +10 thou	As reqd	Both	30.00 ea
23514	Inlet Valve	1	500	42.00 ea
19104	Exhaust Valve	1	500	42.00 ea
23515	Inlet Valve	1	350	42.00 ea
19105	Exhaust Valve	1	350	42.00 ea
17497	Valve Cap - Inlet	1	Both	7.00 ea
17496	Valve Cap - Exhaust	1	Both	10.00 ea
23503	Valve Collets - Inlet	1 Pr	Both	8.00 pr
18670	Valve Collets - Exhaust	1 Pr	Both	10.00 pr
23499	Valve Spring Top Collar for Hairpin Springs	2	Both	40.00 ea
14897	Hairpin Valve Spring - Cranked	2	Both	23.00 ea
14898	Hairpin Valve Spring - Straight	2	Both	23.00 ea
	(For Long Stroke engines use 4 off 14898 Straight Valve Spring)			
17860	Valve Spring Bottom Plate for Hairpin Spring	2	Both	40.00 ea
18024	Retainer Stud for 17860	4	Both	4.50 ea
18373	Shim for 17860 - State 10, or 15 thou	As reqd	Both	3.00 ea
14600	Nut for 18024	4	Both	1.00 ea
16600	Inlet Valve Guide Oil Feed Pipe & Sleeve Nut	1	Both	22.00 ea
16601	Exhaust Valve Guide Oil Feed Pipe & Sleeve Nut	1	Both	22.00 ea
15173	Cylinder Head Sleeve Nut	4	Both	16.00 ea
15175	Washer for Sleeve Nut	4	Both	3.50 ea
23692	Carb Spacer (Manifold) - Alloy	1	500	45.00 ea
23693	Carb Spacer (Manifold) - Alloy	1	350	45.00 ea
NR319	Carb Spacer (Manifold) – Mk 2 Concentric – Alloy	1	500	52.00 ea
20332	Tufnol Insulating Spacer	1	500	18.00 ea
23694	Tufnol Insulating Spacer	1	350	18.00 ea
23695	Carb Mounting Stud	2	500	5.00 ea
23696	Carb Mounting Stud	2	350	5.00 ea
VP008	Nut - Carb Stud	2	Both	1.00 ea
11790	Cylinder Head to Cambox Dowel	2	Both	2.00 ea
22773	Cylinder Head to Cambox Spacer	1	500	26.00 ea
23042	Cylinder Head to Cambox Spacer	1	350	26.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
<b>C. BARREL/PISTON</b>				
23512	Cylinder Barrel, cast as original (much lighter than billet barrels)	1	500	525.00 ea
17266	Barrel Through Stud	4	500	18.50 ea
16575	Compression Plate, state 5, 10 or 60 thou thick	As reqd	500	11.00 ea
23507	Bare 2 Ring Piston, Pin & Circlips	1	500	247.00 ea
	Spare Circlip for our Piston Only	As reqd	500	3.00 ea
20624	Compression Ring - Steel - Nitrided	1	500	16.00 ea
20622	Oil Ring - Low Friction	1	500	14.00 ea
17464	Little End Bush - Scrolled	1	500	15.00 ea

Please note that our forged 500cc piston is of a modern design based on the 1961 drawing. It is 125 grammes (4 ounces) lighter than pattern pistons available elsewhere. Superior materials have allowed us to use a smaller diameter gudgeon pin, but this does necessitate the fitting of a new little end bush.

23513	Cylinder Barrel - Cast	1	350	525.00 ea
20349	Barrel Through Stud	4	350	18.50 ea
16574	Compression Plate - State Thickness	1	350	11.00 ea
23509	Bare 2 Ring Piston, Pin & Circlips	1	350	247.00 ea
	Spare Circlip for our Piston Only	As reqd	350	3.00 ea
20625	Compression Ring - Steel	1	350	16.00 ea
20623	Oil Ring - Low Friction	1	350	14.00 ea
17467	Little End Bush - Scrolled	1	350	15.00 ea

Our forged 350cc piston is also based on the 1961 drawing. It is 75 grammes (3 ounces) lighter than pattern pistons available elsewhere. It also uses a smaller (20mm) gudgeon pin than original, which gives a stronger component, but requires a new little end bush.

#### **D. CRANKCASE ASSEMBLY**

20628	Crankcases	1	500	1,600.00 pr
20629	Crankcases	1	350	1,600.00 pr
17275	Drive Side Main Bearing Assembly	1	Both	162.00 ea
21485	Shim Washer for Drive Side Main Bearing	1	Both	4.00 ea
17199	Retaining Plate for Drive Side Main Bearing	1	Both	9.00 ea
E3822	Screw for 17199	4	Both	0.50 ea
18927	Timing Side Main Bearing Assembly	1	Both	95.00 ea
22720	Retaining Screw for Timing Side Main Bearing	6	Both	1.00 ea
	Crank Assembly, See Non Standard Engine Parts			
	Original Con Rod	1		p.o.a.
- - -	Special INA Big End Assembly for Standard Flywheels	1	Both	220.00 ea
17186	Big End Nut	2	Both	16.00 ea
E4221	Crankshaft Shim - 10 thou thick	As reqd.	Both	2.50 ea
22724	Crankcase Drain Plug. With Magnet Fitted	1	Both	19.00 ea
	Copper washer for Drain Plug	1	Both	0.50 ea
10999	Union - Crankcase Breather (1/4 BSP)	4	Both	7.00 ea
10992	Sleeve Nut for 10999	As reqd.	Both	4.00 ea
15843	Oil Scavenge Pick Up Tube (cut to length on installation)	1	Both	11.00 ea
15011	Union - Oil Feed/Return Pipes	2	Both	9.00 ea
20593	Crankshaft Bevel Gear	1	Both	110.00 ea
22774	Shim for Bevel Gear - State 5 thou or 10 thou thick	As reqd.	Both	2.50 ea
18992	Crankshaft Half Time Pinion (22T)	1	Both	52.00 ea
E3683	Woodruff Key for 18992 & 20593	2	Both	1.00 ea
E4073	Nut for 18992 (Left Hand Thread)	1	Both	11.00 ea
E6487	Oil Pump	1	Both	300.00 ea
E6487/05	5 thou Oversize Oil Pump for Worn Crankcases	1	Both	310.00 ea
E6497	Pump Body Screws (included with pump)	2	Both	3.50 ea
18871	Pump Wear Plate (alloy)	1	Both	4.00 ea
E6498	Pump Retaining Screw	2	Both	5.00 ea
10711	Oil Pump Drive Dog Plate	1	Both	11.00 ea
20787	Oil Pump Drive Pinion (44T) With Integral Shaft	1	Both	78.00 ea
15006	Oil Pressure Relief Valve Screw	1	Both	10.00 ea
15007	Oil Pressure Relief Valve Nut	1	Both	4.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
13665	Oil Pressure Relief Valve Spring	1	Both	5.00 ea
17706	Oil Pressure Relief Valve Ball	1	Both	1.00 ea
16598A	Breather Pipe 'U' Shape Behind Timing Cover	1	Both	22.00 ea
16598B	Breather Pipe Front of Crankcase	1	Both	22.00 ea
16598C	Breather Pipe Behind Drive Sprocket/Pulley	1	Both	22.00 ea
16138	Oil Filter Bolt (screws in front of Crankcase)	1	Both	19.00 ea
15531	Copper Washer for 16138	1	Both	0.50 ea
18378	Inner Timing Cover with Bush	1	Both	410.00 ea
E4048	Bush for Inner Timing Cover, Scrolled	1	Both	15.00 ea
15845	Gasket - Inner Cover to Crankcase	1	Both	2.00 ea
16181	Stud - Inner Cover to Crankcase (top)	1	Both	5.00 ea
16182	Shim on 16181 Stud, Between Crankcase and Inner Cover	1	Both	1.50 ea
VP009/TH	Nut for 16181	1	Both	1.00 ea
16253	Lock Washer for 16181	1	Both	1.00 ea
14105	Screw - Inner Cover to Crankcase	5	Both	1.50 ea
18370	Outer Timing Cover	1	Both	100.00 ea
14105	Screw - Outer Cover - Short	4	Both	1.50 ea
22639	Screw - Outer Cover - Long (bottom)	1	Both	2.50 ea
10007	Big End Oil Feed Jet	1	Both	11.00 ea
10011	Spring for Oil Feed Jet	1	Both	5.00 ea
10237	Holder for Big End Oil Feed Jet	1	Both	13.00 ea
10238	Round Cover Nut for Big End Oil Feed Jet	1	Both	9.00 ea
16660	Magneto Bottom Drive Sprocket	1	Both	33.00 ea
VP009/TH	Nut for 16660	1	Both	1.00 ea
15745	Magneto Top Driven Sprocket	1	Both	33.00 ea
18388	Magneto Chain	1	Both	18.00 ea
16137	Oil Filter Gauze - In Timing Cover	1	Both	17.00 ea
14930	Oil Filter Slotted Tube/Blanking Plug Assembly	1	Both	32.00 ea
14979	Copper Washer for Oil Filter	1	Both	2.00 ea
	Felt for Magneto Seal available in 6, 8 and 12 mm	1	Both	5.00 ea

#### **F. BEVEL DRIVE ASSEMBLY**

23489	Lighthouse Tower	1	350	355.00 ea
23496	Lighthouse Tower	1	500	355.00 ea
E6163	Stud - Lighthouse Tower to Crankcase	4	Both	4.50 ea
VP132	Nut for E6163	4	Both	1.00 ea
VP014	Washer for E6163	4	Both	0.75 ea
22394	Bottom Bevel Shaft	1	Both	185.00 ea
23505	Splined Connecting Tube	1	350	85.00 ea
23504	Splined Connecting Tube	1	500	85.00 ea
22393	Top Bevel Shaft	1	Both	185.00 ea
22400	Needle Roller Bearings for Bevel Shafts	4	Both	7.00 ea
22403	Spacer Between Bearings	2	Both	9.50 ea
22775	Bronze Thrust Washer	2	Both	9.00 ea
22774	Bevel Shaft Shims – 5 or 10 thou thick	As reqd	Both	2.50 ea
22402	'O' Ring - Top of Lighthouse Tower	1	Both	3.00 ea

#### **OLDHAM COUPLING ENGINES 1954 - 1958**

18018	Top Bevel Housing fitted with Needle Rollers to take Splined Bevels	1	Both	250.00 ea
14942	Rubber Seal - Cambox to Cylinder Head	1	Both	10.00 ea
17962	Shim for 14942 Seal	1	Both	n.y.a.
17314	Tube	1	Both	40.00 ea
18042	'O' Ring - Tube to Barrel	1	Both	2.00 ea
18589	Large Gland Nut	1	Both	35.00 ea
E5555	Copper/Asbestos Washer for 18589 Nut	1	Both	5.00 ea
18384	'O' Ring for 18589 Nut	2	Both	1.50 ea
20626	Bottom Bevel Housing fitted with Needle Rollers to take Splined Bevels	1	Both	270.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
<b>NON STANDARD ENGINE PARTS</b>				
NR340	Pressed Up Crank Assembly, For Increased Rigidity	1	500	1,100.00 ea
	INA Needle Roller Big End, Carillo Con Rod	1	500	1,450.00 ea
NR341	As Above with Titanium Con Rod	1	350	1,100.00 ea
NR342	Crank Assembly, Carillo Con Rod	1	350	1,450.00 ea
NR343	Crank Assembly, Titanium Con Rod	1	Both	From 1,800.00
---	One piece crank assembly c/w con rod – various configurations	1	Both	35.00ea
NR366	Seal Carrier Assy For 1 Piece Cranks	1	Both	40.00 ea
NR323	Coil Valve Spring, Inner / Outer	2	Both	85.00 ea
NR323AA	Super High Performance Valve Springs, Up to 9,500 rpm	2	Both	22.00 ea
NR324	Coil Valve Spring Top Collar, Titanium	2	Both	29.00 ea
NR325	Enclosures for Coil Valve Spring	2	350	29.00 ea
NR326	Enclosures for Coil Valve Spring	2	Both	90.00 pr
NR322	Alloy enclosures for valve springs – Molnar engines only	1	500	42.00 ea
NR320	Lightweight Exhaust Valve - 5/16" Stem, Stainless	1	350	42.00 ea
NR321	Lightweight Exhaust Valve - 5/16" Stem, Stainless	1	Both	8.00 ea
NOTE: Use INLET valve guide, collets & cap with NR320 & 321				
NR327	Oil Drain Union for Coil Spring Engines	2	Both	6.00 ea
NR328	Packer for Valve Spring, state 40,60,80,100 thou	As reqd	Both	18.00 ea
NR330	Exhaust Lock Ring, Cast in Al. Alloy, Lighter but Weaker	1	Both	600.00 set 740.00
NR331	Kit of parts to convert Oldham Coupling Drive Tower to Splined Drive Specification			
	Above parts supplied & fitted to your original tower castings			
NOTE: When fitting NR331 to Pre '57 fine pitch engines you also need to fit new coarse pitch crankshaft bevel gear, part no. 20593 and cambox bevel gear, part no. 20595, and modify the crankcases.				
NR329	Vernier Belt Drive Assembly for Magneto (replaces chain)	1	Both	165.00 set
NR330	Vernier Chain Sprocket Assembly for Magneto (replaces 15745)	1	Both	75.00 ea
18927HC	High Capacity Timing Side Main Bearing	1	Both	420.00 ea
23512AL	Ceramic plated, alloy lined barrel. Light!	1	500	650.00 ea

A range of light alloy and Titanium parts are also available, prices on application.

#### G. PRIMARY DRIVE & GEARBOX

19834	Engine Sprocket- State Teeth, 17T-23T available	1	Both	95.00 ea
VP191	Nut for Engine Sprocket/Pulley	1	Both	8.00 ea
E4210	Washer for VP191 with Belt Pulley	1	Both	4.00 ea
17200	Lock Washer for VP191 On Sprocket	1	Both	4.00 ea
17201	Screw for 17200 Lock Washer	1	Both	1.50 ea
20928	Primary Chain – Regina GP with Spring & Rivet Links	1	Both	40.00 ea
---	Belt Drive Assembly	1	Both	from 530.00 set
NR 346	Crankshaft pulley, for belt drive, 34T or 36T	1	Both	95.00 ea
---	Spare drive belt	1	Both	32.00 ea
VP398	Clutch Retaining Nut	1	Both	3.00 ea
40084	Clutch Pushrod	1	Both	12.00 ea
NR345	Drive Side Oil Seal Assembly (for use with belt drive)	1	Both	35.00 set
---	Quaife 5 Speed Gearbox, properly set up and ready to go	1	Both	from 2,200.00 ea
---	Quaife 6 Speed Gearbox, various options	1	Both	2,880.00 ea
---	TTI 6 Speed Gearbox, Various options	1	Both	3,300.00 ea
12368	Gearbox Sprocket- State Teeth, 15T-20T - AMC/Quaife	1	Both	27.00 ea
12368	Gearbox Sprocket – State Teeth, 21T – 23T - AMC/Quaife	1	Both	32.00 ea
40070	Nut (LH) Gearbox Sprocket	1	Both	7.00 ea
40076	Lockwasher & Allenscrew for 40070	1	Both	3.00 ea
NR428	Alloy Belt Guard with All Fittings	1	Both	165.00 ea
---	Fibreglass Belt Cover No Fittings	1	Both	45.00 ea
---	As Above in Carbon	1	Both	80.00 ea

#### H. ENGINE PLATES AND MOUNTINGS

NR210	Set of Engine Plates	1	Both	180.00 set
E6139	Crankcase Mouth Clamp Bolt,Nut,Washers	2	Both	14.00 ea
15242	3/8" Front Eng Plate/C.case Through Bolt,Nut,Washer	2	Both	14.00 ea
15732	3/8" Front Bottom Crankcase Stud,Nuts,Washers	1	Both	8.00 ea
14191	5/16" Crankcase Sump Bolt,Nut,Washer	4	Both	12.00 ea
16676	5/16" Rear Bottom Eng Plate/C.case Thru Bolt,Nut,W	1	Both	12.00 ea
15239	3/8" Rear Eng Plate/C.case Through Bolt,Nut,Washer	3	Both	14.00 ea
15247	Engine Plate to Frame Bolt,Nut,Washer	6	Both	5.00 ea
23516	Head Steady Plate Assembly	1	500	45.00 ea
23518	Head Steady Plate Assembly	1	350	45.00 ea
16016	Head Steady Adjustable Strut	1	Both	65.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
NE30	Set of fasteners for head steady assy	1	Both	15.00 set
15142	Gearbox Top Mounting Bolt & Nut	1	Both	36.00 ea
FG50	Gearbox Bottom Mounting Stud & Nuts	1	Both	12.00 ea
15162	Gearbox Adjuster & Nuts	1	Both	22.00 ea
15115	Anchor Bolt for Gearbox Adjuster	1	Both	12.00 ea

Titanium or aluminium replacements for the above are available, prices on application.

## J. FORKS AND YOKES

NR044	Top Yoke, Dural Replica, Saves 600g Standard finish is polished, add £15.00 for black stove enamel			120.00 ea
19699	Steel Bottom Yoke / Stem, including Pinch Bolts			360.00 ea
VP407	Bottom Yoke, Dural, Our Design, Saves 400g, cannot be used with original steering damper			160.00 ea

Yokes are also available in wider (7.3/8") format and also in magnesium, for full details see our Norton & Triton Performance Components catalogue.

19948	Original type handlebars with integral levers, chrome, 1957 - '61, TLS only			280.00 pr
24300	Original type handlebars with integral levers, chrome, 1962 - '63 4LS			320.00 pr
18882	Trunnion - Cable to original type integral levers			10.00 ea
VP086	Steering Column Top Nut, Stainless			15.00 ea
VP042	Steering Column Adjuster Nut, Stainless			15.00 ea
VP088	Steering Bearing Cover Plate, Stainless			7.00 ea
67604	Steering Bearing, Sealed			7.00 ea
NR233	'Clip On' Handlebars, Lightweight Aluminium			140.00 pr
---	Single pull top quality alloy brake lever			46.00 ea
---	Twin pull alloy brake lever			62.00 ea
---	Matching alloy clutch lever			46.00 ea
22908	Front Cowl ('Fly screen') Black Glass fibre 1961 Specification			60.00 ea
22907	Perspex Screen for Cowl			30.00 ea
22856	Top Mounting Bracket for Cowl / Rev Counter			18.00 ea
22905	Lower, Side Brackets for Front Cowl			40.00 pr
NF 30	Set Of Fasteners For Mounting Cowl (Not Original Threads)			10.00 set
---	Complete set of Forks, excluding Yokes for 2LS Conical hub, using Cast Sliders			990.00 pr
---	Complete set of Forks, excluding Yokes for 4LS hub using Forged Sliders (Can also be used for 2LS)			1,300.00 pr

Both types of fork assembly can be supplied in lightweight format with exposed stainless springs and dural nuts and retainers at above prices or as original with steel stanchion top nuts and enclosed fork springs, please add £200 to the above prices for this latter option.

**NB.** Cast sliders are a budget option, not an exact replica of originals..

50150	Original Type Steering Damper, incl Wing Nut & Bottom Plate			70.00 ea
---	'Hyperpro' Fully Adjustable & Rebuildable Steering Damper with Fitting Kit			325.00 set
19706	Alloy Front Mudguard, Stoved Black			80.00 ea
19706P	Alloy Front Mudguard, Polished			75.00 ea
19706R	Alloy Front Mudguard, Raw (unpolished, unpainted)			60.00 ea
19483	Polished Alloy Y Brackets for Front Guard			45.00 pr

## J.a MANX FORK COMPONENTS

67090	Manx Stanchions			140.00 pr
24209	Fork slider, RH 4LS, forged			420.00 ea
24211	Fork slider, LH 4LS, forged			420.00 ea
NR056	Fork slider, RH 2LS, cast			240.00 ea
NR057	Fork slider, LH 2LS, cast			190.00 ea
-	Spacer to fit 2LS hub to 4LS slider			5.00 ea
VP019	Stanchion top nut - stainless			12.00 ea
NR046	Stanchion top nut - aluminium			9.00 ea
VP091	Washer for stanchion top nut - stainless			3.50 ea
VP103/132	Pinch stud & nut, LH slider			3.50 set
67519	Bottom bush, low friction, cast iron			16.00 ea
67636	Circlip for bottom bush			2.00 ea
67521	Top bush, bronze			10.00 ea
67520	Paper washer, under seal			0.50 ea
65483	Fork oil seal			4.50 ea
VP104	Oil drain screw			2.50 ea
NR049	Brake plate anchor - blank -2LS only			10.00 ea
24210	Brake plate anchor - blank - 4LS only			10.00 ea
---	Machining in situ to fork slider			45.00 ea
VP021/PH	Oil seal retainer - stainless			45.00 ea
19696	Upper shroud, stoved black			40.00 ea
-	2BA screw retaining 19696 shroud (6 reqd)			0.50 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
69132	Retaining washer for 19696 shroud	5.00 ea
67114	'Roadholder' badge for 19696 shroud	7.50 ea
01810	Rivet for above	0.25 ea
67908	'Roadholder' decal alternative to above 2 items	2.00 ea
NR055	Dural oil seal retainer, alternative to above 7 items	14.00 ea
15312	External fork spring – stainless	25.00 ea
VP034	Fork damper tube – dural	28.00 ea
VP237	Cap for damper tubes	9.00 ea
VP036	Securing bolt for damper tube	2.50 ea
VP037	Washer for VP036	2.00 ea
67514	Fibre washer	N/A
30584	Damper valve assy	11.00 ea
NR 047M	Damper rod	11.00 ea
VP009TH	Lock nut, damper rod to stanchion top nut	1.00 ea
NR060	MPL/K-Tech Fork Cartridge Kit. Easy to fit & fully adjustable – Used in our team bikes	650.00 set

## **K. FRAME & FITTINGS**

We do not claim that parts in this section of the catalogue are exact replicas of the original Norton Parts. They are our Manx parts for Classic racing today.

23483	Featherbed frame and swing arm, made to original drawing but using lighter gauge T45 tube. Available either in Standard specification, or Grand Prix specification which has integral fairing mounts etc.	1,950.00 ea
VP291	Swing Arm Spindle, ½" Diameter, Solid 1951-60	15.00 ea
23415	Swing Arm Spindle, ¾" Diameter, Hollow 1961 onwards	30.00 ea
20638	'Hagon' Shocks - Exposed chrome Springs (state rider weight)	150.00 pr
20638SH	'Hagon' Shocks , chrome springs, with top shrouds only, as original	220.00 pr
---	All Alloy 'Maxton' Shocks (excellent performance saves 1lb)	495.00 pr
FY6	Suspension Mounting Bolts (4)	20.00 set
NR420	Alloy Knurled Footrests	15.00 ea
NR421	Adapters to mount Footrest to Swing Arm, State Solid or Hollow Spindle	20.00 ea
22723	Alloy Rollover Gearchange Pedal, Linkage & Gearbox Toggle	135.00 ea
---	Short Reverse Gearlever, Steel or Alloy	70.00 ea
19801	Alloy Brake Pedal	65.00 ea
15819	Brake Rod Assembly	45.00 ea
NR424	Brake Pedal Stop Plate Assembly	30.00 ea
NR426	Left Foot Gearchange / Right Brake Conversion Kit	460.00 set
NR427	Supplementary Kit to Convert Brake to Cable Operation	70.00 set
16182	5 Gallon Alloy Petrol Tank, Unpolished, Unpainted.	p.o.a.
---	2.5 Gallon Alloy Short Circuit Petrol Tank, Unpolished, Unpainted	p.o.a.
18445	Petrol Tank Mounting Rubbers	4.00 ea
---	Petrol tap – Good Quality Lever Type	18.00 ea
23582	Alloy Oil Tank, Unpolished, Unpainted	p.o.a.
---	Painting & Lining Petrol Tanks	450.00 ea
---	Painting & Lining Oil Tanks	200.00 ea
---	Polishing Petrol Tanks	30.00 ea
---	Polishing Oil Tanks	15.00 ea
19812R	Rubber Petrol Tank Strap Assembly, State Large or Small Tank	45.00 ea
19812M	Original Type Metal Tank Strap, Stainless C/W Rubber Backing & Loose Hook	45.00 ea
19814	Original Type Petrol Tank Toggle Assembly, Chrome	55.00 ea
23584	Oil Tank Mounting Assy, including Rubber Bottom Restraining Bands	35.00 set
18912	Oil Tank Feed Union & Filter Assy – Original Type	75.00 ea
23528	Oil Feed Pipe – Original Type	32.00 ea
18912A	Oil Tank Feed Union & Filter Assy – Banjo Type for Easier Alignment	50.00 set
23528A	Oil Feed Pipe (to suit above)	26.00 ea
23529	Oil Return Pipe – 3/8" bore hose	20.00 ea
15505	Oil Return Pipe – 1/2" bore hose – "elephants foot" tank	26.00 ea
20250P	Alloy Rear Mudguard – Polished	85.00 ea
20250R	Alloy Rear Mudguard – Raw (Unpolished, Unpainted)	70.00 ea
20250F	Rear Wheel Enclosure / Mudguard, Black Glass Fibre	65.00 ea
20250C	As above, carbon fibre	90.00 ea
19706C	Front Mudguard, Black Carbon Fibre	70.00 ea
22873	Complete Seat, Glass fibre Base	125.00 ea
22873C	As above carbon fibre base	165.00 ea
---	'Kirby' Molnar Manx Fairing with Belly Pan in Glass fibre – Also Fits Most Singles	290.00 ea
---	'Kirby' Fairing in Carbon	380.00 ea
	Spare Screens – Std or High. £5 extra for drilled	50.00 ea
TGA050	Fairing mount csk screw, alloy washer, nut & washers	3.50 ea
---	Mounting Kit for Above Fairings – Suits MPL frames only	185.00 set
MANX	Oil Catch Undertray – Black Glassfibre – Quite Neat	40.00 ea
	Parts listed in Glass fibre/Carbon are available in a choice of colours to special order	



<u>PT.NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
<b>L. WHEELS</b>		
NR003	8" TLS Conical Front Hub Assembly, Magnesium Alloy, Complete, '57 - '61 Specification	2,120.00 ea
NR004	As NR003, in Aluminium Alloy	1,880.00 ea
NR080	7" 4LS Double Sided Front Hub Assembly, '62 Specification Magnesium Alloy, Complete	2,650.00 ea
NR100	Conical Rear Hub Assembly, Magnesium Alloy, Complete	1,620.00 ea
NR101	As NR100 in Aluminium Alloy	1,520.00 ea
NR110	Rear Wheel Sprocket, State Teeth, 44 - 48T.	40.00 ea
	Rear Wheel Sprocket, 49T - 52T	45.00 ea
- - -	Conversion of Rear Brake to Floating, Including Torque Stay	190.00 ea
18255	Rear Wheel Adjusters - Stainless	40.00 pr
15704	Rear Brake Torque Stay – Dural Blank for You to Drill	10.00 ea
15704	Rear Brake Torque Stay – Fully Machined and Polished	30.00 ea
19635	Guide Stay for Front Brake Cable	14.00 ea
21157	Regina Grand Prix Chain – Light & Strong - 110 links	75.00 ea

#### **L.a MANX FRONT HUB COMPONENTS**

NR008	Lock ring, bearing retainer	17.00 ea
NR009	Outer bearing spacer, stainless	8.00 ea
NR010	wheel bearing – sealed	10.00 ea
NR011	Centre bearing spacer, differs from original	20.00 ea
NR017	Bare brake plate, '57/'58 – magnesium	200.00 ea
	Bare brake plate, '57/'58 – alloy	145.00 ea
NR018	Bare brake plate, '59/'61, priced as NR017	
NR020	Bush, centre brake plate, stainless	12.00 ea
NR021	Bush, brake cam, bronze	12.00 ea
NR022	Pivot, brake shoe	12.00 ea
NR023	Retaining washer, brake shoe pivot, stainless	2.00 ea
NR025	Circlip, brake shoe pivot, differs from original	2.00 ea
NR026	Brake shoe cam, stainless, 2LS	33.00 ea
NR089	Brake shoe cam, stainless, '62 4LS type	33.00 ea
NR027	Brake shoes lined with oversize linings, aluminium alloy	145.00 pr
NR028	Brake shoe spring	5.00 ea
NR029	Tie plate, cam to pivot, dural	16.00 ea
NR030	Operating lever, long, plated	33.00 ea
NR031	Operating lever, short, plated	27.00 ea
NR032	Fork end, clevis & split pins, stainless, right hand thread only	15.00 ea
NR033	Tie Rod & Lock Nuts, TLS (Right Hand Thread Both Ends - Not As Original)	7.50 ea
NR034	Front intake scoop, standard, alloy, TLS	45.00 ea
NR035	Front intake scoop, large, square, alloy TLS	45.00 ea
NR036	Gauze, intake scoop, brass, TLS	7.00 ea
NR037	Rear outlet cover, alloy, TLS	40.00 ea
24199	Front intake scoop, 4LS	45.00 ea
NR098	Retaining ring – outlet gauze, 4LS	4.00 ea
	-Solid alloy rivets for scoops	0.50 ea
NR040	Cable anchor abutment, stainless	25.00 ea
NR041	Retaining washer for NR040, stainless	2.00 ea
NR042	Wheel spindle, HT stainless	45.00 ea
NR043	Front spindle nut, stainless or alloy available	8.00 ea
	-Riveting – brake shoe pivots, cable anchor	12.00 ea
	-Fitting standard scoops/gauze – per brake plate	35.00 set

Front hub shell only complete with bearings, spacers, lock ring, stoved semi gloss black.

2LS magnesium	1,250.00 ea
2LS aluminium	1,100.00 ea
4LS magnesium	1,300.00 ea

Front brake plate assembly, complete with standard scoops, linkage, shoes turned to suit your drum. Stoved semi gloss black.

2LS or 4LS magnesium (alloy shoes)	810.00 ea
2LS or 4LS aluminium	730.00 ea

For magnesium brake shoes add £50 per pair to above costs

#### Notes on Manx front brakes:

'54-'56 8" t/s brake introduced. 2 small cooling fins only. 4.3/4" from centre wheel spindle to brake anchor. Drum register 8.1/8" dia.

'57-'58 3 fins. Spoke holes slotted. Still 4.3/4" centres spindle to anchor. Drum register 8.5/16" dia.

'59-'61 Anchor to spindle centre increased to 5" Note this type of fork leg is not now available. Drum register increased to 8.7/8" dia

'62 7" double-sided 4LS brake 4.3/4 centres.

<u>PT.NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
<b>L.b MANX REAR HUB COMPONENTS</b>		
NR104	Sprocket mounting stud, stainless	5.00 ea
VP132	Sprocket mounting nut & spring washer	1.00 ea
NR105	Lock ring, bearing retainer, stainless	20.00 ea
NR106	Wheel bearing, sealed ball	32.00 ea
NR108	Centre bearing spacer, dural	30.00 ea
NR109	Sprocket locating dowel, flanged	4.00 ea
NR113	Bare brake plate, magnesium	165.00 ea
	Bare brake plate, aluminium	130.00 ea
NR114	Bush, centre of brake plate, stainless	12.00 ea
NR115	Bush, brake cam, bronze	12.00 ea
NR116	Brake shoe cam, stainless	36.00 ea
NR117	Brake shoe pivot	12.00 ea
NR118	Retaining washer for NR117	2.00 ea
NR119	Circlip, brake shoe pivot post, differs from original	2.00 ea
NR120/121	Pair of brake shoes lined oversize, aluminium alloy	170.00 pr
NR028A	Rear brake shoe spring	5.00 ea
NR122	Torque stay anchor, differs from original	7.00 ea
NR123	Operating lever, long, stainless	42.00 ea
NR124	Operating lever return spring, stainless	10.00 ea
NR125	Spring anchor peg, stainless	5.00 ea
NR126	Wheel spindle, HT stainless	25.00 ea
NR127	Rear spindle nut, dural	10.00 ea
NR128	Spindle spacer, RHS, dural	8.00 ea
NR129	Spindle spacer, LHS, dural	8.00 ea

Rear hub shell only complete with bearings, spacer, lockring, sprocket studs & dowels. Stoved semi gloss black.

Magnesium	1,300.00
Aluminium	1,100.00
Lightening holes if required per hub	100.00

Rear brake plate assembly complete with lever etc. and linings turned to suit your drum. Stoved semi gloss black.

Magnesium (alloy shoes)	480.00
Aluminium	440.00

For magnesium brake shoes add £50 per pair to above costs

Data sheets for hubs are available on the web site. We can have hubs built up into a wheel. Cost £300.00 using valanced alloy rim and stainless steel spokes.

#### **M. ANCILLARIES**

---	Ignition systems – see Manx engine options	from 600.00
20330	GP Carb - Most Bore Sizes	675.00 ea
---	Gardner Carb - State Bore Size	from 320.00 ea
18442	Twist Grip- State Original 'Amal' type or 'Tomasselli' Quick Action	55.00 ea
---	Float Chamber - Modified design, Suits GP or Gardner, & Mounting Stud	180.00 ea
18404	Rubber Mount for Float Chamber	25.00 ea
23691	Float Chamber Mounting Bracket & Rivets - Late Type	6.00 ea
---	Alloy Rivet – 18404 to 23691	1.00 ea
19587	Conical ATRC Smiths Rev Counter, 9000 RPM, Exact Replica	900.00 ea
---	Conical Rev Counter, Budget Replica	330.00 ea
19590	Anti Vibration Mounting Ring for Rev Counter	60.00 ea
19590-8	"Rubber Band" Only For Tacho A/V Mount	4.00 ea
19895	Tacho Cable, 24"	35.00 ea
---	Krober Electronic Rev Counter, Ugly but Accurate! Various Options	from 205.00 ea
---	Scitzu Inductive Pick Up Tacho, Electronic Ignition Only	160.00 ea
22856	Tacho & Flyscreen Top Mounting Bracket	18.00 ea
18196	Exhaust Pipe Lock Ring - Finned - Bronze	40.00 ea
E5555	Copper/Asbestos Gasket - Exhaust Pipe to Head	5.00 ea
<b>Exhaust Systems</b>	We can supply a range of exhausts from original to modern:	
22074	Standard Chrome 1961 Pattern Low Level Exhaust Pipe – 500cc	130.00 ea
23672	Standard 1961 Pattern Chrome Megga – Unsilenced – 500cc	120.00 ea
23673	Mounting Muff for Standard 1961 Megga	45.00 ea
---	Pipes / meggas for 350's to order	p.o.a
---	Slip on Silenced Megga for standard Pipe appx. 105 dBa Gives Drastic Increase in Mid Range.	

<u>PT,NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
	Stainless	480.00 ea
---	Hi-level, Lightweight, Silenced Exhaust System Developed for Optimum Torque & Power.	
	Stainless with Fittings	from 730.00 ea
<b>N. WORKSHOP TOOLS</b>		
25000	Magneto Sprocket/Pulley Puller	22.00 ea
25018	Puller for vernier centre only on magneto	48.00 ea
25001	Oil Pump Puller	25.00 ea
---	5/16" BSF Tap, Required to Tap Threads in Pump Before Using 25001	15.00 ea
25002	Extended 5/16" Whit 3/8" Square Drive Socket for Head & Cambox Bolts	32.00 ea
25003	7/8" Whit Box Spanner for Gearbox Sprocket (Std & Quaife 'Boxes)	18.00 ea
25020	Deep Socket for G/Box Sprocket Nut – TTI G/Box Only. 3/4 SQ Drive	35.00 ea
25021	3/4" – 1/2" Adapter, For Above	15.00 ea
25004	Front Primary Drive Pulley Extractor	12.00 ea
25005	'C' Spanner for Standard Exhaust Lock Ring	15.00 ea
25007	Main Jet Key for GP Carb	12.00 ea
25008	Extended Temporary Valve Cap to Aid Setting Valve Timing	p.o.a
25009	Holding Block for Cam Gear Assembly to Aid Tightening	40.00 ea
25010	Cylinder Head Alignment Jig – Lighthouse Tower Engines Only	p.o.a.
25011	'U' Spanner for Fork Oil Seal Holder	30.00 ea
25012	Clutch puller, for our clutches only	15.00 ea
25013	Clutch locking tool, for our clutches only	25.00 ea
25014	Fork damper rod pick up tool	7.50 ea
14797	Sturdy Paddock Stand Complete with Bobbins to Fit to Bottom Suspension Mount	80.00 ea
---	Very Clever Front Stand, Allows Front Wheel to be Removed with Fairing On	210.00 ea
25015	Special DTI (clock) and Adapters to Check Valve Timing, To Order Only	p.o.a.
25016	Special Spanner & Socket for Tightening Camshaft Nuts	85.00 ea
25017	Optical Timing Detector for Static Timing of Magneto	48.00 ea
25019	Special "Pliers" to compress hairpin valve springs	240.00 ea

#### **P. WORKSHOP SERVICES**

We offer a complete rebuild service for all Manx engines, be they original or replica, our manufacture or others.

Supply and fit new Iron liner to original 76 or 86mm barrel	290.00
As above on exchange basis (dependant on condition of your casting)	340.00
Supply, fit and machine cut outs in pusher bushes to your cambox	110.00
Convert original head to coil springs (machining only, parts extra)	110.00
Supply, fit and bore little end bush true to big end	45.00
Supply, fit and grind big end ring to con rod	100.00
Assemble & align crank assembly	45.00
Supply & fit base plate & studs to PAL magneto	80.00
Supply & fit base plate & studs to SR1 magneto	150.00
Lighten clutch drum	35.00
Lighten clutch pressure plate	45.00
Dyno time, per hour	40.00

#### **Q. LUBRICANTS**

We use and thoroughly recommend Rock Oil for all our race engines. Due to the weight any order for oil costs £15.00 plus VAT to send (UK only) as it has to go by carrier, but any other items will be sent free of carriage charge if ordered with oil.

Racing Castor	Castor Oil. The traditional engine oil for Manx, G50 & 7R, 5 litre Can	35.00
Synthesis	Full synthetic 10/40 – superior to "R" used in our Team bikes. 4 litre Can	35.00
Motorcycle	Semi Synthetic 10/40 for modern wet clutch motorcycles. 4 litre Can	25.00
XRP	Racing Gear Oil 5w-30/75w-85. 1 Litre Bottle	12.00
Chain Lube	A good quality formulation. 400ml Aerosol	5.50