

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 £ 13,450.00 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.

Shipping charges will be added to our prices, the amount dependant on package size & destination. Our preferred method of payment is by Debit Card for orders up to £500, or by bank transfer for larger amounts. Due to handling charges, payment by Credit Card and PayPal will only be accepted by arrangement. Cheques are no longer accepted.

All UK 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>
A. CAMBOX				
	Cambox, Complete, Assembled. State 350 or 500	1		4,250.00 ea
	Cambox, Complete, For Oldham Coupling Engines	1		p.o.a.
22369	Cambox Shell	1	Both	980.00 ea
22067	Cambox Outer Cover	1	Both	350.00 ea
15002	Cambox Outer Cover 1/4" Stud (short)	10	Both	6.00 ea
15005	Cambox Outer Cover 1/4" Stud (long)	2	Both	10.00 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	185.00 ea
18448	Outrigger Plate Support Stud	3	Both	10.00 ea
VP008	Nut & washer for Outrigger Plate Studs	3	Both	1.00 ea
17329	Shim for Outrigger Plate. State 4, 8, 12, 16 or 20 thou	As reqd	Both	2.00 ea
18358	Cambox Bevel Cover	1	Both	90.00 ea
E6430	Gasket for Bevel Cover	1	Both	2.00 ea
14105	Screws for Bevel Cover	4	Both	2.00 ea
20595	Cambox Input Bevel Gear	1	Both	160.00 ea
E4047	Nut - Bevel Gear Retaining	1	Both	15.00 ea
16121	Vernier Peg - Bevel Gear	1	Both	10.00 ea
E5944	Shim for 20595 Bevel Gear. State 4, 8, 12 or 20 thou	As reqd	Both	2.50 ea
15996	Input Bevel Shaft	1	Both	120.00 ea
15989	Input Shaft Spacer	1	Both	10.00 ea
10338	Spur Gear - Input Shaft	1	Both	150.00 ea
E3683	Woodruff Key - Input Shaft Spur Gear	1	Both	1.00 ea
10370	Nut - L.H. - Input Spur Gear	1	Both	13.00 ea
18322	Ball Race for Input Shaft, behind Bevel Gear	1	Both	45.00 ea
E4209	Ball Race Retainer Plate	1	Both	6.00 ea
E3822	Csk Screw for Retainer Plate	3	Both	0.50 ea
18387	Roller Bearing for Input Shaft (in Outrigger Plate)	1	Both	70.00 ea
17517	Idler Shaft	2	Both	40.00 ea
17239	Idler Gear	2	Both	150.00 ea
10345	Idler Gear Bearing Cage	2	Both	25.00 ea
18367	Idler Gear Rollers	32	Both	0.50 ea
10365	Idler Gear Thrust Washer - Plain	2	Both	7.00 ea
17519	Idler Gear Thrust Washer - Drilled & Grooved	2	Both	10.00 ea
10372	Idler Gear Retaining Washer (presses into gear)	2	Both	15.00 ea
VP009/TH	Nut & Washer - Idler Shaft	2	Both	1.00 ea
10361	Camshaft	2	Both	60.00 ea
10364	Camshaft Nut (Left Hand Thread)	2	Both	12.00 ea
18366	Camshaft Ball Race (in main casting)	2	Both	40.00 ea
18387	Camshaft Roller Bearing (in outer cover)	2	Both	70.00 ea
23553	Roller Bearing Housing (in outer cover)	2	Both	75.00 ea
22384	Shim for 23553 Bearing Housing. State 3, 5 or 10 thou	As reqd	Both	3.00 ea
22068	Blanking Plug for Camshaft Hole (aluminium alloy)	2	Both	35.00 ea
22069	Shim for 22068 Plug State 5 or 10 thou	As reqd	Both	3.00 ea
14598	Locking Plate for 22068	2	Both	6.00 ea
17249	Camshaft Top Hat Bush (shaft to roller bearing)	2	Both	10.00 ea
22390	Cam Gear	2	Both	150.00 ea
22405	Cam Gear Vernier Peg	2	Both	5.00 ea
23687	Cam - Inlet No. I 3823	1	350	130.00 ea
22388	Cam - Exhaust No. M 3916	1	350	130.00 ea
22387	Cam - Inlet No. I 5822	1	500	130.00 ea
22389	Cam - Exhaust No. M 5914	1	500	130.00 ea
---	DLC diamond coating on cams (highly recommended)		Both	70.00 ea
	Numerous Modern Cam Profiles Available – Please Ask (+£20)			

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
15132	Pusher Bush	2	Both	35.00 ea
23668	Pusher 2 thou oversize available at £20.00 extra	2	Both	155.00 ea
17498	Pusher Cap, (thick, face down to required thickness)	2	Both	20.00 ea
10356	Cam Oil Feed Jet	2	Both	15.00 ea
10354	Holder for Oil Feed Jet	2	Both	15.00 ea
10011	Spring for Oil Feed Jet	2	Both	6.00 ea
10355	Nut for Jet Holder	2	Both	8.00 ea
10999	Union for Cambox Oil Feed Hose	1	Both	8.00 ea

Note: Complete Cambox Assembly includes all the above components.

17886	Cambox Through Bolt - Front - Extended	2	Both	20.00 ea
17885	Cambox Through Bolt - Rear	2	Both	15.00 ea
E5376	Washer - Cambox Bolts	4	Both	0.25 ea
19639	Tacho Gearbox	1	Both	190.00 ea
18386	Spacer Tacho Gearbox – with oil seal	1	Both	35.00 ea
16049	Screw - Tacho Gearbox Retaining	2	Both	8.00 ea
16050	Nut for 16049	2	Both	2.00 ea
18385	Alternative Blanking Plate Instead of Tacho Gearbox	1	Both	5.00 ea
20690	Cambox Oil Feed Hose Assy	1	Both	32.00 ea
E6004	Union for Valve Guide Oil Feed (Hairpin Spring Only)	2	Both	10.00 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	2,050.00 ea
23577	Cylinder Head, c/w seats and guides, beautifully gas flowed	1	350	2,050.00 ea
23502	Valve Guide - Inlet - 5/16" Stem – "Colsibro"	1	Both	40.00 ea
	Oversize inlet valve guide +1/2, +1, +3, +6, +20 thou	As reqd	Both	45.00 ea
16584	Valve Guide - Exhaust - 13/32" Stem – "Colsibro"	1	Both	40.00 ea
	Oversize exhaust valve guide +1, +3, +10 thou	As reqd	Both	45.00 ea
23514	Inlet Valve	1	500	60.00 ea
19104	Exhaust Valve	1	500	60.00 ea
23515	Inlet Valve	1	350	60.00 ea
19105	Exhaust Valve	1	350	60.00 ea
17497	Valve Cap - Inlet	1	Both	8.00 ea
17496	Valve Cap - Exhaust	1	Both	12.00 ea
23503	Valve Collets - Inlet	1 Pr	Both	10.00 pr
18670	Valve Collets - Exhaust	1 Pr	Both	12.00 pr
23499	Valve Spring Top Collar for Hairpin Springs	2	Both	50.00 ea
14897	Hairpin Valve Spring - Cranked	2	Both	27.50 ea
14898	Hairpin Valve Spring - Straight (For Long Stroke engines use 4 off 14898 Straight Valve Spring)	2	Both	27.50 ea
17860	Valve Spring Bottom Plate for Hairpin Spring	2	Both	50.00 ea
18024	Retainer Stud for 17860	4	Both	5.00 ea
18373	Shim for 17860 - State 10, or 15 thou	As reqd	Both	5.00 ea
14600	Nut for 18024	4	Both	1.00 ea
16600	Inlet Valve Guide Oil Feed Pipe & Sleeve Nut	1	Both	28.00 ea
16601	Exhaust Valve Guide Oil Feed Pipe & Sleeve Nut	1	Both	28.00 ea
15173	Cylinder Head Sleeve Nut	4	Both	20.00 ea
15175	Washer for Sleeve Nut	4	Both	5.00 ea
23692	Carb Spacer (Manifold) - Alloy	1	500	50.00 ea
23693	Carb Spacer (Manifold) - Alloy	1	350	50.00 ea
NR319	Carb Spacer (Manifold) – Mk 2 Concentric – Alloy	1	500	60.00 ea
VP103L	Stud for NR319 only	2	500	6.00 ea
20332	Tufnol Insulating Spacer	1	500	20.00 ea
23694	Tufnol Insulating Spacer	1	350	20.00 ea
23695	Carb Mounting Stud	2	500	9.00 ea
23696	Carb Mounting Stud	2	350	9.00 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	30.00 ea
23042	Cylinder Head to Cambox Spacer	1	350	30.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
C. BARREL/PISTON				
23512	Cylinder Barrel, cast as original	1	500	700.00 ea
17266	Barrel Through Stud	4	500	20.00 ea
16575	Compression Plate, state 5, 10, 20 or 60 thou thick	As rqd	500	15.00 ea
23507	Bare 2 Ring Piston, Pin & Circlips	1	500	280.00 ea
	Spare Circlip for our Piston Only	As rqd	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	20.00 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 as original	1	350	725.00 ea
20349	Barrel Through Stud	4	350	20.00 ea
16574	Compression Plate - State Thickness	1	350	15.00 ea
23509	Bare 2 Ring Piston, Pin & Circlips	1	350	295.00 ea
	Spare Circlip for our Piston Only	As rqd	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	20.00 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	2,250.00 pr
20629	Crankcases	1	350	2,300.00 pr
17275	Drive Side Main Bearing Assembly	1	Both	225.00 ea
21485	Shim Washer for Drive Side Main Bearing	1	Both	5.00 ea
17199	Retaining Plate for Drive Side Main Bearing	1	Both	10.00 ea
E3822	Screw for 17199	4	Both	0.50 ea
18927	Timing Side Main Bearing Assembly	1	Both	160.00 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	310.00 ea
17186	Big End Nut	2	Both	20.00 ea
E4221	Crankshaft Shim - 10 thou thick	As rqd.	Both	2.50 ea
22724	Crankcase Drain Plug. With Magnet Fitted	1	Both	24.50 ea
	Copper washer for Drain Plug	1	Both	0.50 ea
10999	Union - Crankcase Breather (1/4 BSP)	4	Both	8.00 ea
10992	Sleeve Nut for 10999	As rqd.	Both	5.00 ea
15843	Oil Scavenge Pick Up Tube (cut to length on installation)	1	Both	13.00 ea
15842	Filter Gauze "Sock" for 15843	1	Both	10.00 ea
15011	Union - Oil Feed/Return Pipes	2	Both	10.00 ea
20593	Crankshaft Bevel Gear	1	Both	145.00 ea
22774	Shim for Bevel Gear - State 5 thou or 10 thou thick	As rqd.	Both	2.50 ea
18992	Crankshaft Half Time Pinion (22T)	1	Both	65.00 ea
E3683	Woodruff Key for 18992 & 20593	2	Both	1.00 ea
E4073	Nut for 18992 (Left Hand Thread)	1	Both	13.00 ea
E6487	Oil Pump	1	Both	410.00 ea
E6487/05	5 thou Oversize Oil Pump for Worn Crankcases	1	Both	410.00 ea
E6497	Pump Body Screws (included with pump)	2	Both	5.00 ea
18871	Pump Wear Plate (alloy)	1	Both	5.00 ea
E6498	Pump Retaining Screw	2	Both	7.50 ea
10711	Oil Pump Drive Dog Plate	1	Both	15.00 ea
20787	Oil Pump Drive Pinion (44T) With Integral Shaft	1	Both	105.00 ea
15006	Oil Pressure Relief Valve Screw	1	Both	12.00 ea
15007	Oil Pressure Relief Valve Nut	1	Both	5.00 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	6.00 ea
17706	Oil Pressure Relief Valve Ball	1	Both	1.00 ea
16598A	Breather Pipe 'U' Shape Behind Timing Cover	1	Both	27.00 ea
16598B	Breather Pipe Front of Crankcase	1	Both	27.00 ea
16598C	Breather Pipe Behind Drive Sprocket/Pulley	1	Both	27.00 ea
16138	Oil Filter Bolt (screws in front of Crankcase)	1	Both	24.50 ea
15531	Copper Washer for 16138	1	Both	0.50 ea
18378	Inner Timing Cover with Bush	1	Both	540.00 ea
E4048	Bush for Inner Timing Cover, Scrolled	1	Both	20.00 ea
15845	Gasket - Inner Cover to Crankcase	1	Both	2.00 ea
16181	Stud - Inner Cover to Crankcase (top)	1	Both	6.00 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	2.00 ea
18370	Outer Timing Cover	1	Both	155.00 ea
14105	Screw - Outer Cover - Short	4	Both	2.00 ea
22639	Screw - Outer Cover - Long (bottom)	1	Both	3.00 ea
10007	Big End Oil Feed Jet	1	Both	15.00 ea
10011	Spring for Oil Feed Jet	1	Both	6.00 ea
10237	Holder for Big End Oil Feed Jet	1	Both	15.00 ea
10238	Round Cover Nut for Big End Oil Feed Jet	1	Both	10.00 ea
16660	Magneto Bottom Drive Sprocket	1	Both	40.00 ea
VP009/TH	Nut for 16660	1	Both	1.00 ea
15745	Magneto Top Driven Sprocket	1	Both	40.00 ea
18388	Magneto Chain	1	Both	23.00 ea
16137	Oil Filter Gauze - In Timing Cover	1	Both	17.00 ea
14930	Oil Filter Slotted Tube/Blanking Plug Assembly	1	Both	36.00 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	8.00 ea

F. BEVEL DRIVE ASSEMBLY

23489	Lighthouse Tower	1	350	465.00 ea
23496	Lighthouse Tower	1	500	465.00 ea
E6163	Stud - Lighthouse Tower to Crankcase	4	Both	6.00 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	225.00 ea
23505	Splined Connecting Tube	1	350	110.00 ea
23504	Splined Connecting Tube	1	500	110.00 ea
22393	Top Bevel Shaft	1	Both	225.00 ea
22400	Needle Roller Bearings for Bevel Shafts	4	Both	8.00 ea
22403	Spacer Between Bearings	2	Both	11.00 ea
22775	Bronze Thrust Washer	2	Both	11.00 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	4.00 ea

OLDHAM COUPLING ENGINES 1954 - 1958

18018	Top Bevel Housing fitted with Needle Rollers to take Splined Bevels	1	Both	310.00 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	55.00 ea
18042	'O' Ring - Tube to Barrel	1	Both	2.00 ea
18589	Large Gland Nut	1	Both	40.00 ea
E5555	Copper/Asbestos Washer for 18589 Nut	1	Both	5.00 ea
18384	'O' Ring for 18589 Nut	2	Both	2.00 ea
20626	Bottom Bevel Housing fitted with Needle Rollers to take Splined Bevels	1	Both	330.00 ea
- - -	Original Tower Bearings – 1.5/8" x 3/4" x 5/16"	2	Both	65.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>QTY.REQ.</u>	<u>MODEL</u>	<u>PRICE £</u>
NON STANDARD ENGINE PARTS				
NR340	Pressed Up Crank Assembly, For Increased Rigidity			
	INA Needle Roller Big End, Carillo Con Rod	1	500	1,650.00 ea
NR342	Crank Assembly, Carillo Con Rod	1	350	1,700.00 ea
- - -	One piece crank assembly c/w con rod – various configurations	1	Both	from 2,500.00 ea
NR366	Seal Carrier Assy For 1 Piece Cranks	1	Both	50.00ea
NR323	Coil Valve Spring, Inner / Outer	2	Both	50.00 ea
NR323AA	Super High Performance Valve Springs, Up to 9,500 rpm	2	Both	110.00 ea
NR324	Coil Valve Spring Top Collar, Titanium	2	Both	25.00 ea
NR325	Enclosures for Coil Valve Spring	2	500	35.00 ea
NR326	Enclosures for Coil Valve Spring	2	350	35.00 ea
NR322	Alloy enclosures for valve springs – Molnar engines only	1	Both	110.00 pr
NR320	Lightweight Exhaust Valve - 5/16" Stem, Stainless	1	500	55.00 ea
NR321	Lightweight Exhaust Valve - 5/16" Stem, Stainless	1	350	55.00 ea
NOTE: Use INLET valve guide, collets & cap with NR320 & 321				
NR327	Oil Drain Union for Coil Spring Engines	2	Both	10.00 ea
NR328	Packer for Valve Spring, state 40,60,80,100 thou	As reqd	Both	7.00 ea
NR330	Exhaust Lock Ring, Cast in Al. Alloy, Lighter but Weaker	1	Both	18.00 ea
NR331	Kit of parts to convert Oldham Coupling Drive Tower to Splined Drive Specification			730.00 set
	Above parts supplied & fitted to your original tower castings			880.00
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	190.00 set
NR330	Vernier Chain Sprocket Assembly for Magneto (replaces 15745)	1	Both	85.00 ea
18927HC	High Capacity Timing Side Main Bearing	1	Both	450.00 ea
23512AL	Ceramic plated, alloy billet barrel.	1	500	850.00 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	120.00 ea
VP191	Nut for Engine Sprocket/Pulley	1	Both	10.00 ea
E4210	Washer for VP191 with Belt Pulley	1	Both	5.00 ea
17200	Lock Washer for VP191 On Sprocket	1	Both	5.00 ea
17201	Screw for 17200 Lock Washer	1	Both	2.00 ea
20928	Primary Chain – Regina GP with Spring & Rivet Links	1	Both	45.00 ea
- - -	Belt Drive Assembly	1	Both	from 650.00 set
NR 346	Crankshaft pulley, for belt drive, 34T or 36T	1	Both	110.00 ea
- - -	Spare drive belt	1	Both	40.00 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	40.00 set
- - -	TTI 6 Speed Gearbox, Various options	1	Both	3,850.00 ea
12368	Gearbox Sprocket- State Teeth, 15T-20T - AMC/Quaife	1	Both	45.00 ea
12368	Gearbox Sprocket – State Teeth, 21T – 23T - AMC/Quaife	1	Both	50.00 ea
40070	Nut (LH) Gearbox Sprocket	1	Both	7.00 ea
40076	Lockwasher & Allenscrew for 40070	1	Both	4.00 ea
NR428	Alloy Belt Guard with All Fittings	1	Both	245.00 ea
- - -	Fibreglass Belt Cover No Fittings	1	Both	55.00 ea
- - -	As Above in Carbon	1	Both	90.00 ea

H. ENGINE PLATES AND MOUNTINGS

NR210	Set of Engine Plates, polished, all holes drilled!	1	Both	240.00 set
NR210LW	Set of Engine Plates with lightening holes, polished	1	Both	280.00 set
E6139	Crankcase Mouth Clamp Bolt,Nut,Washers	2	Both	18.00 ea
15242	3/8" Front Eng Plate/C.case Through Bolt,Nut,Washer	2	Both	18.00 ea
15732	3/8" Front Bottom Crankcase Stud,Nuts,Washers	1	Both	10.00 ea
14191	5/16" Crankcase Sump Bolt,Nut,Washer	4	Both	14.00 ea
16676	5/16" Rear Bottom Eng Plate/C.case Thru Bolt,Nut,W	1	Both	15.00 ea
15239	3/8" Rear Eng Plate/C.case Through Bolt,Nut,Washer	3	Both	18.00 ea
15247	Engine Plate to Frame Bolt,Nut,Washer	6	Both	7.50 ea
23516	Head Steady Plate Assembly	1	500	55.00 ea
23518	Head Steady Plate Assembly	1	350	55.00 ea
16016	Head Steady Adjustable Strut	1	Both	80.00 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	17.00 set
15142	Gearbox Top Mounting Bolt & Nut	1	Both	45.00 ea
FG50	Gearbox Bottom Mounting Stud & Nuts	1	Both	15.00 ea
15162	Gearbox Adjuster & Nuts	1	Both	28.00 ea
15115	Anchor Bolt for Gearbox Adjuster	1	Both	17.00 ea

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

J. FORKS AND YOKES

NR044	Top Yoke, Dural Replica, Saves 600g			170.00 ea
	Standard finish is polished, add £15.00 for black stove enamel			
19699	Steel Bottom Yoke / Stem, including Pinch Bolts			480.00 ea
VP407	Bottom Yoke, Dural, Our Design, Saves 400g, cannot be used with original steering damper			210.00 ea

Yokes are also available in wider (7.3/8") format and also in magnesium, for full details see www.tga.co.uk/shop/manx-forks-and-yokes/

19948	Original type handlebars with integral levers, chrome, 1957 - '61, TLS only			340.00 pr
24300	Original type handlebars with integral levers, chrome, 1962 - '63 4LS			440.00 pr
18882	Trunion - 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			10.00 ea
67604	Steering Bearing, Sealed			10.00 ea
67604T	Steering Bearing - Taper Roller. Not Liked Here!			20.00 ea
NR233	'Clip On' Handlebars, Lightweight Aluminium			160.00 pr
TGA087	Chrome Ball Ended Levers			50.00 pr
For more modern alloy control levers, see https://www.tga.co.uk/shop/racing-spares-brakes-and-controls/				
22908	Front Cowl ('Fly screen') Black Glass fibre 1961 Specification			75.00 ea
22907	Perspex Screen for Cowl			40.00 ea
22856	Top Mounting Bracket for Cowl / Rev Counter			20.00 ea
22905	Lower, Side Brackets for Front Cowl			45.00 pr
NF 30	Set Of Fasteners For Mounting Cowl (Not Original Threads)			18.00 set
- - -	Complete set of Forks, excluding Yokes for 2LS Conical hub, using Cast Sliders			1,180.00 pr
- - -	Complete set of Forks, excluding Yokes for 4LS hub using Forged Sliders (Can also be used for 2LS)			1,400.00 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			85.00 ea
TGA049	'Sprint' Fully Adjustable & Rebuildable Steering Damper with Fitting Kit			315.00 set
19706	Alloy Front Mudguard, Stoved Black			90.00 ea
19706P	Alloy Front Mudguard, Polished			85.00 ea
19706R	Alloy Front Mudguard, Raw (unpolished, unpainted)			65.00 ea
19483	Polished Alloy Y Brackets for Front Guard			45.00 pr
G043	Set Of Fasteners To Fit Alloy Front Mudguard to Manx Forks (not original spec)			20.00 set

J.a MANX FORK COMPONENTS

67090	Manx Stanchions			140.00 pr
24209	Fork slider, RH 4LS, forged			470.00 ea
24211	Fork slider, LH 4LS, forged			470.00 ea
NR056	Fork slider, RH 2LS, cast			310.00 ea
NR057	Fork slider, LH 2LS, cast			310.00 ea
-	Spacer to fit 2LS hub to 4LS slider			10.00 ea
VP019	Stanchion top nut - stainless			15.00 ea
NR046	Stanchion top nut - aluminium			10.00 ea
VP091	Washer for stanchion top nut - stainless or aluminium (please state)			5.00 ea
VP103/132	Pinch stud & nut, LH slider			8.00 set
67519	Bottom bush, low friction, cast iron			16.00 ea
67636	Circlip for bottom bush			3.00 ea
67521	Top bush, bronze			15.00 ea
67520	Paper washer, under seal			0.50 ea
65483	Fork oil seal			4.50 ea
VP104	Oil drain screw			3.00 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			60.00 ea
VP021/PH	Oil seal retainer - stainless			55.00 ea
19696	Upper shroud, stoved black			45.00 ea

<u>PT. NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
-	2BA screw retaining 19696 shroud (6 reqd)	1.00 ea
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	15.00 ea
15312	External fork spring – stainless - 231mm Long – 2 required	35.00 ea
VP034	Fork damper tube – dural	30.00 ea
VP237	Cap for damper tubes	10.00 ea
VP036	Securing bolt for damper tube	3.00 ea
VP037	Washer for VP036	2.00 ea
67514	Fibre washer	N/A
30584	Damper valve assy	15.00 ea
NR 047M	Damper rod	15.00 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.	2,250.00 ea
VP291	Swing Arm Spindle, ½" Diameter, Solid 1951-60	15.00 ea
23415	Swing Arm Spindle, ¾" Diameter, Hollow 1961 onwards	40.00 ea
20638	'Hagon' Shocks - Exposed chrome Springs	205.00 pr
20638SH	'Hagon' Shocks , chrome springs, with top shrouds only, as original	295.00 pr
20638F	Falcon Alloy Shocks. Simple, Light, Classic Appearance	440.00 pr
20638K	K-Tech Shocks – Fully Adjustable Including Ride Height	620.00 pr
20638M	'Maxton' Shocks, Adjustable Damping	620.00 pr
	Please state rider weight when ordering shocks	
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	25.00 ea
22723	Alloy Rollover Gearchange Pedal, Linkage & Gearbox Toggle	165.00 ea
---	Short Reverse Gearlever, Steel or Alloy	80.00 ea
19801	Alloy Brake Pedal	85.00 ea
15819	Brake Rod Assembly	60.00 ea
NR424	Brake Pedal Stop Plate Assembly	35.00 ea
NR426	Left Foot Gearchange / Right Brake Conversion Kit	530.00 set
NR427	Supplementary Kit to Convert Brake to Cable Operation (incl cable)	105.00 set
16182	5 Gallon Alloy Petrol Tank, Unpolished, Unpainted, With Monza Cap	980.00 ea
---	2.5 Gallon Alloy Short Circuit Petrol Tank, Unpolished, Unpainted, with Monza Cap	880.00 ea
18445	Petrol Tank Mounting Rubbers	5.00 ea
---	Petrol tap – Good Quality Lever Type	20.00 ea
23582	Alloy Oil Tank, Unpolished, Unpainted, with Monza cap	630.00 ea
---	Painting & Lining Petrol Tanks	570.00 ea
---	Painting & Lining Oil Tanks	350.00 ea
---	Polishing Petrol Tanks	40.00 ea
---	Polishing Oil Tanks	35.00 ea
19812R	Rubber Petrol Tank Strap Assembly, State Large or Small Tank	50.00 ea
19812M	Original Type Metal Tank Strap, Stainless C/W Rubber Backing & Loose Hook	50.00 ea
19814	Original Type Petrol Tank Toggle Assembly, Chrome	90.00 ea
23584	Oil Tank Mounting Assy, including Rubber Bottom Restraining Bands	45.00 set
18912	Oil Tank Feed Union & Filter Assy – Original Type	85.00 ea
23528	Oil Feed Pipe – Original Type	40.00 ea
18912A	Oil Tank Feed Union & Filter Assy – Banjo Type for Easier Alignment	60.00 set
23528A	Oil Feed Pipe (to suit above)	30.00 ea
23529	Oil Return Pipe – 3/8" bore hose	30.00 ea
15505	Oil Return Pipe – 1/2" bore hose – "elephants foot" tank	35.00 ea
NR368	Oil Filter Kit – Billet Machined Housing, The Neatest You Will See	240.00 set
20250	Alloy Rear Mudguard – Stoved Black	125.00 ea
20250P	Alloy Rear Mudguard – Polished	115.00 ea
20250R	Alloy Rear Mudguard – Raw (Unpolished, Unpainted)	95.00 ea
20250F	Rear Wheel Enclosure / Mudguard, Black Glass Fibre	95.00 ea
20250C	As above, carbon fibre	125.00 ea
19706C	Front Mudguard, Black Carbon Fibre	90.00 ea
22873	Complete Seat, Glass fibre Base	135.00 ea
22873C	As above carbon fibre base	175.00 ea

PT.NO.	DESCRIPTION	PRICE £
TGA001	'Kirby' Molnar Manx Fairing with Belly Pan in Glass fibre – Also Fits Most Singles	320.00 ea
TGA001C	'Kirby' Fairing in Carbon	480.00 ea
	Spare Screens – Std or High.	65.00 ea
TGA050	Fairing mount csk screw, alloy washer, nut & washers	3.50 ea
- - -	Mounting Kit for Above Fairings – Suits MPL frames only	215.00 set
TGA036	Oil Catch Undertray – Black Glassfibre – Quite Neat	55.00 ea

Parts listed in Glass fibre/Carbon are available in a choice of colours to special order please see <https://www.tga.co.uk/shop/racing-spares/>

L. WHEELS

NR003	8" TLS Conical Front Hub Assembly, Magnesium Alloy, Complete, '57 - '61 Specification	2,750.00 ea
NR004	As NR003, in Aluminium Alloy	2,450.00 ea
NR080	7" 4LS Double Sided Front Hub Assembly, '62 Specification Magnesium Alloy, Complete	3,400.00 ea
NR100	Conical Rear Hub Assembly, Magnesium Alloy, Complete	1,950.00 ea
NR101	As NR100 in Aluminium Alloy	1,800.00 ea
NR150	Works Rear Hub. Opposite side brake drum, as used on our Team bikes with floating brake plate. All Mag.	2,750.00 ea
NR110	Rear Wheel Sprocket, State Teeth, 44 - 48T.	65.00 ea
NR110	Rear Wheel Sprocket, 49T - 52T	70.00 ea
NR160	Rear Wheel Sprocket – Works Rear Hub Only – State Teeth	75.00 ea
- - -	Conversion of Rear Brake to Floating, Including Torque Stay	210.00 ea
18255	Rear Wheel Adjusters - Stainless	50.00 pr
15704	Rear Brake Torque Stay – Dural Blank for You to Drill	15.00 ea
15704	Rear Brake Torque Stay – Fully Machined and Polished	35.00 ea
19635	Guide Stay for Front Brake Cable	15.00 ea
21157	Regina Grand Prix Chain – Light & Strong - 110 links	100.00 ea

L.a MANX FRONT HUB COMPONENTS

NR008	Lock ring, bearing retainer	20.00 ea
NR009	Outer bearing spacer, stainless	8.00 ea
NR010	wheel bearing – sealed	12.00 ea
NR011	Centre bearing spacer, differs from original	25.00 ea
NR017	Bare brake plate, '57/'58 – magnesium	260.00 ea
	Bare brake plate, '57/'58 – alloy	185.00 ea
NR018	Bare brake plate, '59/'61, priced as NR017	
NR020	Bush, centre brake plate, stainless	15.00 ea
NR021	Bush, brake cam, bronze	15.00 ea
NR022	Pivot, brake shoe	15.00 ea
NR023	Retaining washer, brake shoe pivot, stainless	3.00 ea
NR025	Circlip, brake shoe pivot, differs from original	2.00 ea
NR026	Brake shoe cam, stainless, 2LS	38.00 ea
NR089	Brake shoe cam, stainless, '62 4LS type	38.00 ea
NR027	Brake shoes lined with oversize linings, aluminium alloy	190.00 pr
NR028	Brake shoe spring	8.00 ea
NR029	Tie plate, cam to pivot, dural	18.00 ea
NR030	Operating lever, long, plated	38.00 ea
NR031	Operating lever, short, plated	30.00 ea
NR032	Fork end, clevis & split pins, stainless, right hand thread only	18.00 ea
NR033	Tie Rod & Lock Nuts, TLS (Right Hand Thread Both Ends - Not As Original)	10.00 ea
NR034	Front intake scoop, standard, alloy, TLS	50.00 ea
NR035	Front intake scoop, large, square, alloy TLS	50.00 ea
NR036	Gauze, intake scoop, brass, TLS	15.00 ea
NR036A	Retainer Strip for Gauze	10.00 ea
NR037	Rear outlet cover, alloy, TLS	45.00 ea
24199	Front intake scoop, 4LS	50.00 ea
NR098	Retaining ring – outlet gauze, 4LS	5.00 ea
	-Solid alloy rivets for scoops	1.00 ea
NR040	Cable anchor abutment, stainless	30.00 ea
NR041	Retaining washer for NR040, stainless	3.00 ea
NR042	Wheel spindle, HT stainless	50.00 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	55.00 set

<u>PT.NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
	Front hub shell only complete with bearings, spacers, lock ring, stoved semi gloss black.	
	2LS magnesium	1,600.00 ea
	2LS aluminium	1,380.00 ea
	4LS magnesium	1,650.00 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)	980.00 ea
	2LS aluminium	870.00 ea

For magnesium brake shoes add £100 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.

L.b MANX REAR HUB COMPONENTS

NR104	Sprocket mounting stud, stainless	6.00 ea
VP132	Sprocket mounting nut & spring washer	1.00 ea
NR105	Lock ring, bearing retainer, stainless	25.00 ea
NR106	Wheel bearing, sealed ball	40.00 ea
NR108	Centre bearing spacer, dural	35.00 ea
NR109	Sprocket locating dowel, flanged	6.00 ea
NR113	Bare brake plate, magnesium	190.00 ea
	Bare brake plate, aluminium	150.00 ea
NR114	Bush, centre of brake plate, stainless	15.00 ea
NR115	Bush, brake cam, bronze	15.00 ea
NR116	Brake shoe cam, stainless	45.00 ea
NR117	Brake shoe pivot	15.00 ea
NR118	Retaining washer for NR117	4.00 ea
NR119	Circlip, brake shoe pivot post, differs from original	2.00 ea
NR120/121	Pair of brake shoes lined oversize, aluminium alloy	205.00 pr
NR028A	Rear brake shoe spring	8.00 ea
NR122	Torque stay anchor, differs from original	8.00 ea
NR123	Operating lever, long, stainless	45.00 ea
NR124	Operating lever return spring, stainless	20.00 ea
NR125	Spring anchor peg, stainless	5.00 ea
NR126	Wheel spindle, HT stainless	30.00 ea
NR127	Rear spindle nut, dural	12.50 ea
NR128	Spindle spacer, RHS, dural	10.00 ea
NR129	Spindle spacer, LHS, dural	10.00 ea

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

Magnesium	1,600.00
Aluminium	1,350.00
Lightening holes if required per hub	120.00

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

Magnesium (alloy shoes)	580.00
Aluminium	510.00

For magnesium brake shoes add £60 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 £400.00 using valanced alloy rim and stainless steel spokes.

M. ANCILLARIES

---	Ignition systems – see https://www.tga.co.uk/products/mpl-ignition-system/	from 750.00
20330	GP Carb - Most Bore Sizes	725.00 ea
---	Gardner Carb - State Bore Size	from 380.00 ea
18442	Twist Grip- State Original 'Amal' type or 'Tomasselli' Quick Action	60.00 ea
---	Float Chamber - Modified design, Suits GP or Gardner, & Mounting Stud	240.00 ea
510/1	Matchbox Float	280.00 ea
18404	Rubber Mount for Float Chamber	25.00 ea
23691	Float Chamber Mounting Bracket - Late Type	8.00 ea
---	Alloy Rivet – 18404 to 23691	1.00 ea
19587	Conical ATRC Smiths Rev Counter, 9000 RPM, Exact Replica	1550.00 ea
---	Conical Rev Counter, Budget Replica	520.00 ea

<u>PT.NO.</u>	<u>DESCRIPTION</u>	<u>PRICE £</u>
19590	Anti Vibration Mounting Ring for Rev Counter	65.00 ea
19590-8	"Rubber Band" Only For Tacho A/V Mount	5.00 ea
19895	Tacho Cable, 24" – You Must State Which Instrument	35.00 ea
- - -	Krober Electronic Rev Counter, Ugly but Accurate! Various Options	from 205.00 ea
TGA065	Scitzu Inductive Pick Up Tacho, Electronic Ignition Only	150.00 ea
18196	Exhaust Pipe Lock Ring - Finned - Bronze	45.00 ea
E5555	Copper/Asbestos Gasket - Exhaust Pipe to Head	5.00 ea
Exhaust Systems	We can supply a range of exhausts from original to modern:	
22074	Standard Chrome 1961 Pattern Low Level Exhaust Pipe – 500cc	160.00 ea
23672	Standard 1961 Pattern Chrome Megga – Unsilenced – 500cc	130.00 ea
23673	Mounting Muff for Standard 1961 Megga	50.00 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.	
- - -	Stainless	420.00 ea
- - -	Hi-level & Low Level Lightweight, Silenced Exhaust System, Developed for Optimum Torque & Power.	
- - -	Stainless with Fittings	from 780.00 ea

N. WORKSHOP TOOLS

25000	Magneto Sprocket/Pulley Puller	25.00 ea
25018	Puller for vernier centre only on magneto	52.00 ea
25001	Oil Pump Puller	30.00 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	35.00 ea
25003	7/8" Whit Box Spanner for Gearbox Sprocket (Std & Quaife 'Boxes)	20.00 ea
25020	Deep Socket for G/Box Sprocket Nut – TTI G/Box Only. 3/4 SQ Drive	45.00 ea
25021	3/4" – 1/2" Adapter, For Above	18.00 ea
25004	Front Primary Drive Pulley Extractor	15.00 ea
25005	'C' Spanner for Standard Exhaust Lock Ring	25.00 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	50.00 ea
25010	Cylinder Head Alignment Jig – Lighthouse Tower Engines Only	p.o.a.
25011	'U' Spanner for Fork Oil Seal Holder	35.00 ea
25012	Clutch puller, for our clutches only	25.00 ea
25013	Clutch locking tool, for our clutches only	30.00 ea
25014	Fork damper rod pick up tool	10.00 ea
14797	Sturdy Paddock Stand Complete with Bobbins to Fit to Bottom Suspension Mount	110.00 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 – To Order Only	110.00 ea
25019	Special "Pliers" to compress hairpin valve springs	280.00 ea
- - -	Timing Disc	7.50 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	380.00
As above on exchange basis (dependant on condition of your casting)	480.00
Supply, fit and machine cut outs in pusher bushes to your cambox	180.00
Convert original head to coil springs (machining only, parts extra)	280.00
Supply, fit and bore little end bush true to big end	65.00
Supply, fit and grind big end ring to con rod	160.00
Assemble & align crank assembly	55.00
Supply & fit base plate & studs to PAL magneto	110.00
Lighten clutch drum	35.00
Lighten clutch pressure plate	45.00

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	60.00
Synthesis	Full synthetic 10/40 – superior to "R" used in our Team bikes. 4 litre Can	50.00
XRP	Racing Gear Oil 5w-30/75w-85. 1 Litre Bottle	14.00
Chain Lube	A good quality formulation. 400ml Aerosol	7.50
Innotec	Premium Black Silicone Gasket, The Best, 275ml (HUGE)	36.00

See <https://www.tga.co.uk/shop/lubricants/> for the full range.