

## Harris Matchless G80- Alternative Spares List

This list is intended to be a useful guide in the hunt for alternative spare parts for the Harris Matchless G80 and has been compiled from a number of sources that include Harris stock lists, part numbers from online spares lists notably Hawkshaws, Union Jack motorcycles and Hitchcocks (Enfield parts) and by direct observation. Thanks are also due to Roy Candler, Will Morgan and Alun D Rees and the network of Harris G80 owners.

This list is believed to be accurate although not all alternative parts have been fully checked against the originals (these are generally indicated by ?) and it is strongly recommended that your own additional checks be made comparing the old parts against the intended replacements wherever possible before purchase.

The Harris Factory are still holding some parts although they seem to prefer dealing with Classic Bike parts suppliers rather than the general public.

A number of useful suppliers and their web site addresses can be found towards the end of this list.

Where there is mention of T140E this refers to the Harris Triumph T140E

**Please see the disclaimer at the end of this list.**

Engine			
Bore and Stroke	500cc Rotax 89mm x 79.4mm	Engine also found in: Armstrong MT500 Harley Davidson MT360 (350 electric start version)	
Capacity	494cc	MZ Saxon 500	
Valve clearance	0.05mm (.002")	Jawa 500R	
Ignition timing	29° at 6000rpm	ATK CCM	
Cambelt:	Spark Plug: NGK D8EA Gap 0.7mm (.028")  322L075 PowerGrip Belt  Power: 33-35 BHP @ 7000rpm	Aprilia 350	
Frame	Wheel base 54 in Seat height 31in Dry Weight 330 lbs		
Centre Stand Spring	approx 94mm (3 11/16") long (including end	Same as T140E 833793	

Side stand spring	hooks). Diameter is 16mm (5/8"). One end hook is slightly longer than the other.  A Greeves one 88mm (3 3/8") long (inc. end hooks), diameter 14.5mm (9/16"). Both end hooks are the same.		Both centre and side stand springs are available from:  Martyn Bratby No 1 The Coachworks, Limepit Lane, Huntington, Cannock, Staffs WS12 4PA.  Phone 01543 572583.
Head Bearings	Twin taper roller	Similar to: SKF 32005(X rvb015)	
Swinging Arm Bearings	Box section	Bearing no 4 x TPX2S20DX 25 x 28 x 20	
<b>Suspension</b>			
Front	35mm Paioli with anti-dive 180cc (each leg)	Appears similar to: T140E (but without anti-dive)  Paioli forks are also found on early Moto Morini 3.5 (again no anti-dive) and Ducati 600TL (also 35mm)	Paioli forks also on MZ Saxon 500?
Fork Seals	Part no. 00-0005	(same as Harris 140E ?)	
Rear	Paioli	Similar size to:  XL125S / XL185S XL250 KL250 XL500S Maico 440 Suzuki DR400S /DR500S /SP400	Hagon replacements No. 39007 (390mm extended) Available with Soft (10,12,14,16 Kg/cm) or Medium (18, 20 kg/cm) damping.  (Paioli rear suspension refurb kits 000009 are listed by Hawkshaws, Liverpool)
<b>Wheels</b>	Radaelli rims		Alloy, Steel or Stainless rims are available from: Central Wheels, Birmingham
Front Bearings	Sealed ball	2x RHP 6205  Similar to SKF 6205-2R81	
Rear Bearings	?	Suspected as above (this needs checking)	
<b>Speedo drive</b>	Veglia	As Harris Bonneville T140E.	Need reaming out to fit G80 and the drive tab has to be

			reshaped.
<b>Brakes</b>			
Front	Brembro P8?  260mm Disc       Discs –	Found on: BMW twins Norton Commando Harris T140E Moto Guzzi Ducati  same as Harris T140E Triumph no. 380009  Alternative parts nos listed T150 73-83? Triumph no 377175  Hydraulic system 220cc DOT 3 (or SAE J 1703)	Caliper o/h kit No. 1465900  <b>Pads</b> Ferodo FDB108 /FDB148 FDB108ST (sintered) 22GG013 EBC FA18  FA18HH (sintered) Vesrah VD907 SBS 506 Goodrich G01ST Galfer 'Green' Galfer 'Black' Galfer 'Gold' PFC 7574
Rear	Grimeca 160mm SLS Drum	Armstrong MT500 Moto Morini Kangoro 350 MZ Saxon 500	Hubs are not the same.
<b>Mudguards</b>			
Front	Stainless Steel (Original– no longer available Magura or Radaelli ?)	Appears similar to '86 Moto Guzzi Florida V45 (Chrome steel)  Harris T140E available from TMS & Hawkshaw 97-7257 98-0008 Maybe same? Also looks similar to Norton Classic Rotary.	Moto Morini Kangoro 350 has similar blade with a bridge piece to stabilize forks M34T 506ss Blade £38-64 M34T 506 Bridge £16-80 M34T 506 ss allen bolts £2-50
Rear	?		
Headlamp Assembly	Equivalent to Lucas type three- hole chrome finish	Similar to T140E 620044? Shell 997098? Rim 990692? Fixing wire 990683? Screw 991189? Plate 990690? Pilot bulb holder 000086? Grommet (x3) 999980?	
Chrome head mounting bolts		Same as T140E 220013 ? Spacer 832849?	
Headlamp mountings		Similar to Harris T140E 977198 / 977199 ? originals are slightly different	

		shape – may fit?	
Headlamp mounting sleeves		Same as Harris T140E 977119 ?	
<b>Levers / Switches</b>			
Front Brake	Magura master cylinder Single disc -12mm Piston  Double disc -16mm Piston	Same as: Harris T140E Early BMW twins	Master cylinder repair kit: BRA 02371 (12mm piston)
Front Right Switchgear		Same as Harris140E 62-0055 also Norton Rotary	Also Sparx SPX014
Front Left Switchgear		Same as Harris T140E 620057	Enfield 141908
Clutch lever Assembly	Magura	Same as Harris T140E 620005  Also pre 99 Enfield Bullet	Switchgear/clutch level assembly combined Enfield no 141743 Also Switch + lever Sparx SPX008
Clutch lever	Magura	000036	Enfield no 141671
Clutch lever fixing screw	Magura	000037	Enfield no 141672
Clutch lever adjuster nut	Magura	000039	Enfield no 141674
Bush for clutch cable nipple	Magura	000081	Enfield no 141752
Twistgrip	Magura	000029	Enfield no 141685
Twistgrip retainer plate	Magura	000030	
Spacer plate	Magura	000032	
Handlebar grips	Magura	LH 620006 RH 000033	Enfield no 141687
Master cylinder assembly	Magura	Same as Harris T140E 620016	
Stoplight	Magura	620019	Enfield no 141892

Switch (Front)			
Ignition Switch	Made by Zadi, Italy  6 connectors <b>off position</b> 1 + 2 connected <b>side light</b> 3 + 4 connected <b>Main light</b> 3 + 4 and 5 + 6 connected.	Part no. 63-0013	Vehicle Wiring Products 35105 will fit with wiring modifications.  Also waterproof key slot cover may fit?
Mirrors	made by Bumm  Round, fit to levers  As fitted to BMWs & T140E	Mirror 620060 Lockwasher 000040? Nut 000041? LH spacer 971931?	Also Enfield Bullet (pre 94) Minda to fit Magura levers LH 144750 RH 144749 Spacers 142568  Available in either black or chrome from Hawkshaw (Check thread size both 8 & 10mm).
Horn		620051 Horn bracket 840023?	
Battery box		Similar to T140E? 837504? Shouldered pin 832508? Rubber bush 826039? Tray 838091? Protective strip 837235? Strap 829353? Buckle 829355?	
<b>Rear brake light switch</b> (also the ignition cut out switch on the side stand)	were originally made by a firm in Malta	Alun has had a batch made & still has some in stock.	Contact Alun D Rees 01600 713467  AlunDRees@aol.com
<b>Bulbs</b>			
Headlight	60/45W Halogen		Other Headlight types available: 60/55W 100/80W 130/100
Pilot light	6W MCC		
Indicators	10W		Round plastic type as fitted

			to Enfield. Enfield no RH 143293 LH 143375 (See also Royal Enfield website –accessories)
Stop / tail	5/21 W (offset pin)		
Tail lamp assembly	CEV		Enfield no 143376? Lens no 200010? (this needs checking)  Ducati part # 067574380
Warning	1.2W		
Speedo / Tacho	3W MES		
Voltage Regulator	CEV Mod 6704		
Spark Plug	NGK D8EA (0.7mm gap)		Starting and slow running Improvements reported with Spitfire and Iridium plugs
Coil	Nippondenso		Also found on other Rotax powered machines.
Generator	190w 3 phase		Also found on other Rotax powered machines.
Battery	<b>Varta</b> N14-3A 13cm x 8.5cm		
Tank	3.3 Imp gallons (15 litres)	Same as fitted to Laverda 500 Alpina.	
Tank filler cap	Paioli	Same as : Harris T140E 607503 Motoguzzi V7 Sport/ 850 T/T3/LM1/SP/G5 (Guzzi 13103960)  Also Morini 350/Ducati 750	Available with lock and keys as fitted to: Motoguzzi Cal3/V7 Sport/LM1/T/T3 (Guzzi 29103951)
Petrol taps	Paioli	Same as : Harris T140E LH 607508 RH 607509 Fibre washer 000075	Also Motoguzzi 850 T4 & Ducati Sealing gasket Fibre (Guzzi 90714103) Sealing gasket to tank (Guzzi 90714123)

<b>Carburettor</b>	Dellorto PHF 36 B5 Choke dia: 36mm Slide; 50/3 Needle; K4/2 Main jet; 120 Pilot jet; 58 Starter jet; 65 Accelerator jet; 35	Also found on: Motoguzzi Lemans I, II&III, 1000 California1100 Ducati Pantah 500 Huskvana TE400	Carb overhaul kits widely available. No. 14939950  Other Carbs used.  MZ Saxon 500: Bing 33mm  Armstrong: Amal  Mikuni 34mm (replacement)
<b>Seat</b>			
Seat base & foam		Apparently identical to a Triumph T140v. Harris Bonneville T140E?	Only the cover with embossed logo is specific to G80.
Seat lock	20mm long 17mm diameter	Same as a locker lock. Same as T140E     607215 Grub screw         217049 Catch plate         837328	Obtainable from most locksmiths.
Seat retaining knob/spring		Same as T140E and older Bonneville Plunger & knob     827560 Spring                 824228	Seat Catch Knob and spring Triumph Part No: 827328
Seat Hinges		Same as T140E Rear 837542? Front 834742? (this needs checking)	Not the same as early Bonneville
<b>Clocks</b>			
Speedo	Veglia  Cable operated	Similar to that found on: Harris T140 except with fitting bar below.	Veglia instruments also found on Moto Morini, Ducati
Tacho	Veglia  Electronic	Similar to that found on: Harris T140 except with fitting bar below.	Veglia instruments also found on Moto Morini, Ducati
<b>Sprockets /Chain</b>			
Gearbox	20T (21T also available)		Others available for Armstrong but require Rear sprocket and chain change.
Rear	46T		Triumph Bonneville ?
Chain	5/8 x 3/8 104 links		May require length changes if the sprockets are changed,

<b>Exhaust /Silencers</b>			
	Lanfranconi	Similar to MotoGuzzi Le Mans MkV (not exactly the same)	Armours BSA A10 pattern fits. Also Gold Star pattern 1 1/2"?
<b>Parts Suppliers</b>			
<b>Silencers</b>			
<b>OS Stainless</b>	OS Stainless Unit 7L, Jonothan Lloyd Airfield Industrial Estate, New Road, Hixon, Staffordshire. ST18 0PF Tel: 01889 271713  Email: web@osmc.co.uk  Stainless pipes + connector £105 Silencer £155  Also have brake lines + fittings.		
<b>Gazelle</b>	Gazelle Stainless Exhausts Tel. 01239 841715  Email: info@gazbike.demon.co.uk Web:www.gazbike.demon.co.uk  Exhaust pipes + Silencer £350 +VAT		
<b>Keihan</b> Stainless steel replacement exhausts for Italian motorcycles.	KEIHAN SYSTEMS, UNIT 24, Padgets Lane, South Moons Moat, Redditch, Worcestershire, B98 0RB Tel: (01527) 518525 Fax: (01527) 518526 Email: info@keihan.co.uk Web:http://www.keihan.co.uk/		



<p><b>Armour Motor Products</b></p> <p>Silencers + classic bike parts</p>	<p>Armour Motor Products, 784 Wimborne Road, Moordown, Bournemouth, Dorset, BH9 2HS</p> <p>Tel: 01202 519409 Fax: +44 (0)1202 510671</p> <p>Web: <a href="http://www.armoursltd.co.uk">http://www.armoursltd.co.uk</a></p> <p>Have Moto Guzzi silencers but are stamped pre-1986 only. These should not be used and may fail an MOT if fitted (and noticed)? Although it is believed that silencers no longer need a stamp so that these maybe suitable and acceptable now (July 05).</p>
<p><b>Stainless Components</b></p>	
<p><b>D Middleton</b></p> <p>large range of stainless fasteners</p>	<p>Unit 5 Lady Ann Mills Lady Ann Road Batley West Yorkshire WF17 0PS</p> <p>Tel: 01924 470807</p> <p>Email: <a href="mailto:Dmiddleton@hushmail.com">Dmiddleton@hushmail.com</a> Web: <a href="http://www.stainlessmiddleton.co.uk/">www.stainlessmiddleton.co.uk/</a></p> <p>Brembo brake pins + center pin and spring, Mini clips for oil/petrol lines, Thin jubilee clips for carb and crankcase breather.</p>
<p><b>Discount Stainless</b></p> <p>Large range of stainless fasteners. Also have taps and dies.</p>	<p>Discount Stainless PO Box 306 Altrincham WA15 6GH Tel: 0161 286 1534 Email: <a href="mailto:Discount-Stainless@Supanet.Com">Discount-Stainless@Supanet.Com</a> Web: <a href="http://www.discount-stainless.trading.net/">www.discount-stainless.trading.net/</a></p>
<p><b>Inox Fasteners</b></p> <p>Large range of fasteners. Also stainless exhaust studs, brake lines and parts</p>	<p>29 Bond Road Bitterne Park Southampton SO18 1LR Tel: (44) 2380 586805</p> <p>Email: <a href="mailto:sales@inoxfasteners.co.uk">sales@inoxfasteners.co.uk</a> Web: <a href="http://www.inoxfasteners.co.uk">www.inoxfasteners.co.uk</a></p>

## Wiring /Electrics

**Vehicle Wiring Products**  
Large range of wires and electrical equipment, tools and motorcycle accessories.

9 Buxton Court  
Manners Industrial Estate  
Ilkeston  
Derbyshire  
DEF 8EF  
Tel 0115 94305454  
  
E-mail:sales@vehicleproducts.co.uk  
Web: <http://www.vehicle-wiring-products.co.uk/>  
  
Also some stainless fasteners:  
S/S Jubilee clips.  
S/S braided petrol hoses.  
Petrol/oil hose and pipe.

## Other useful contacts

**LF Harris International**  
  
**(Matchless factory)**

Unit 1 & 2 Silverhills Rd  
Decoy Ind. Est.  
Newton Abbott  
Devon TQ12 5ND  
  
Tel: 01626 360486  
Tel: 01626 369700  
  
See your local Classic Bike suppliers to confirm parts availability and order.

## Rotax Spares

**Force Motorcycles**

Armstrong and Rotax bits

(stainless exhaust studs, etc)

Gorse Farm  
Gorse Lane  
Fradley  
Lichfield  
WS13 8EN  
  
Tel: 01543 417040  
  
Mobile 07860 408917  
  
Email:bikes@forcemotorcycles.com  
  
Web:www.forcemotorcycles.com

**BSA Regal**  
Rotax engine manuals, parts books (genuine, not photocopies) & spares

Speedwell House,  
West Quay Road,  
Southampton,  
SO15 1GY  
  
Tel: 023 8036 6404  
Web: [www.bsa-regal.co.uk](http://www.bsa-regal.co.uk)

<b>Sportax</b>  <b>New and used Rotax parts</b>	<b>Sportax Motorcycles</b> 1 The Court Calstock Cornwall PL18 9QD.  Tel: 01822 834839
<b>Peter Knight Power Sport</b>  <b>Rotax spares and servicing</b>	Peter Knight PowerSport K-Toys House, Second Avenue, Westfield Trading Estate, Midsomer Norton, Radstock, Bath & North East Somerset, BA3 4BH  Tel: 0176 141 4106 Fax: 0176 141 4107  E-mail: <a href="mailto:rotax257@aol.com">rotax257@aol.com</a> Web: <a href="http://www.rotax.co.uk/frontpage.html">http://www.rotax.co.uk/frontpage.html</a>
<b>LMS</b>	LMS Ltd, (was AMBR) 5 The Holding, Watling Street, Weeford, Lichfield. WS14 0PL  Tel: 01543 480 600
<b>Ron Woods</b>  <b>Rotax tuning parts</b>	<b>RON WOOD RACING PRODUCTS</b> 755 W. 17th Street Unit D Costa Mesa, CA 92627 Phone: (949) 645-0393 Fax: (949) 645-8692  E-mail: <a href="mailto:rotax@mindspring.com">rotax@mindspring.com</a> Web: <a href="http://www.rotax.net/">http://www.rotax.net/</a>
<b>Other parts suppliers</b>	
<b>Hitchcocks</b>  Enfield Spares  Internet parts books	Hitchcock's Motorcycles Ltd. Oldwich Lane West Chadwick End Solihull B93 0BJ UK  Tel: 01564 783192 Fax: 01564 783313  E-mail: <a href="mailto:info@hitchcocksmotorcycles.com">info@hitchcocksmotorcycles.com</a> Web: <a href="http://www.hitchcocksmotorcycles.com/">http://www.hitchcocksmotorcycles.com/</a>

<p><b>Hawkshaw</b></p> <p>Harris Triumph T140E parts (Internet parts list)</p>	<p>Hawkshaw Motorcycles Ltd (Registered Office and Administration) 6, Halltine Close, Blundellsands, Liverpool, L23 6XX, Tel +44 151 931 4488</p> <p>E-mail: <a href="mailto:Hawkshaw.Motorcycles@btinternet.com">Hawkshaw.Motorcycles@btinternet.com</a> Web: <a href="http://www.btinternet.com/~hawkshaw.motorcycles/partslist.html">http://www.btinternet.com/~hawkshaw.motorcycles/partslist.html</a></p>
<p><b>Dellorto carburettor spares</b></p>	<p>Eurocarb Ltd phone 0118 943 1180. 256 Kentwood Hill, Tilehurst, Reading, RG31 6DR</p> <p>Telephone: +44 (0) 118 943 1180 Facsimile: +44 (0) 118 943 1190</p> <p>E-mail: <a href="mailto:sales@dellorto.co.uk">sales@dellorto.co.uk</a> Web: <a href="http://www.racecar.co.uk/dellorto/">http://www.racecar.co.uk/dellorto/</a></p>
<p><b>Central Wheel Components</b> Wheel Rims and spokes</p>	<p>Wheel House 8 &amp; 9 Station Road Coleshill Birmingham B46 1HT Tel: 01675 462264</p> <p>Web: <a href="http://www.central-wheel.co.uk/">http://www.central-wheel.co.uk/</a></p>
<p><b>MotoMecca</b> Guzzi and Bembro Brake spares</p>	<p>302 Woolsbridge Industrial Park, Three Legged Cross, Wimborne, Dorset, BH21 6SP Tel: +44 (0) 1202 823453 Fax: +44 (0) 1202 826844</p> <p>Web: <a href="http://www.motomeccaspares.com">www.motomeccaspares.com</a></p>
<p><b>T8 Triumph</b></p>	<p>Tel/Fax Felixstowe 01394 279929</p> <p>Callers by appointment only</p> <p>E-mail: <a href="mailto:sales@t8ts.co.uk">sales@t8ts.co.uk</a></p> <p>Web: <a href="http://www.t8ts.co.uk/">http://www.t8ts.co.uk/</a></p>

<p><b>Hagon</b></p> <p>Replacement shockers</p>	<p>Hagon Products 7 Roebuck Road, Hainault Industrial Estate Hainault, Essex IG6 3JH</p> <p>Tel: +44 (0)208 502 6222 Fax: +44 (0)208 502 6274</p> <p>E-Mail: <a href="mailto:sales@hagon-shocks.co.uk">sales@hagon-shocks.co.uk</a> <a href="http://www.hagon-shocks.co.uk/Main.htm">http://www.hagon-shocks.co.uk/Main.htm</a></p>
<p><b>Norton Motors Ltd</b> (for Norton Rotary parts –front Mudguard?)</p>	<p>Unit 1 Arcadia Park, Towers Business Park, Rugeley, Staffs WS15 1UZ.</p> <p>Tel:01889 579 856.</p>
<p><b>Triple Cycles (Phil Pick)</b> Triumph Spares</p>	<p>95 Wanstead Park Rd Ilford Essex IG1 3TH</p> <p>Tel: 020 8518 2018 Fax: 020 8518 2505</p>
<p><b>Union Jack motorcycles</b> Australian agent for Harris Matchless. Internet parts list with some Matchless parts</p>	<p>Union Jack Motorcycles Pty. Ltd. 117 Lygon St. East Brunswick Victoria Australia 3057 LMCT 5844</p> <p>Phone: 61-3-9387 9792 Fax: 61-3-9387 9792</p> <p>Email: <a href="mailto:unionjack@unionjack.com.au">unionjack@unionjack.com.au</a> <a href="http://www.unionjack.com.au/spares.html">http://www.unionjack.com.au/spares.html</a></p>
<p><b>Motorworks</b> BMW /Guzzi parts (Magura, Brembo, Paioli)</p>	<p>The Old School House, Meltham Mills Road, Meltham, Holmfirth, Huddersfield, West Yorkshire HD9 4AT,</p> <p>Tel:+44 (0) 1484 353600 or 0845 458 0077 (local rate) Fax: +44 (0) 1484 353604 (local rate)</p> <p>Web:<a href="http://www.motorworks.co.uk">http://www.motorworks.co.uk</a></p>

<b>Brit Bits</b> British motorcycle spares	185 Barrack Road Christchurch Dorset BH23 2AT  Tel: 0102 483675 Fax: 0102 475327  Web: <a href="http://www.motorcycle-uk.com/britbits.html">http://www.motorcycle-uk.com/britbits.html</a>
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<b>SPARX /Rare Spares</b> Switch gear parts	Rare Spares Hereford Limited Old Station Yard Withington Station, Withington. Hereford. HR1 3RY  Tel 01432 850408 Fax 01432 851934 Web: <a href="http://sparxelectrical.com">http://sparxelectrical.com</a>
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<b>Royal Enfield</b> Enfield Parts + surplus indicators from conversions	Northwick Business Centre Blockley Glos.  Tel: 01386 700907 Fax: 01386 700738 Web: <a href="http://www.royal-enfield.com/Accessories.htm">http://www.royal-enfield.com/Accessories.htm</a>
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### Disclaimer

**The author accepts no responsibility whatsoever for the accuracy of any information presented here. Please make your own checks.**

### Help Needed

**If you can either add any information to this list, confirm parts or know of any inaccuracies there are a number of people who would be extremely interested.**

**Also available:**

**Harris Matchless G80 Part numbers (an incomplete unofficial list)  
 G80 wiring diagram.**

**There are also a number of additional articles in preparation.**

**Please send any additional info to:  
[glenn@braunstone5.freemove.co.uk](mailto:glenn@braunstone5.freemove.co.uk)**

**Alternative Spares list (version 1.2)**

**Glenn Archer (July 2005)**

**Please feel free to pass this list on to anyone who can make use of it.**