

Motor Parts		Quantity	Price	Order Ref.
Carbon Brushes A.C. (One Carbon and One Gauze Brush per Pair)		Pair		MP1
Brush springs A.C. Improved design, stronger, with tighter end turns		Pair		MP2A
Brush caps A.C.		Pair		MP3
* Brushes, D.C. (3-pole Trix motors only - NOT for Liliput 5-pole motors)		Pair		MP4
Reduction gear, Nylon, A.C.		Each		MP5
Screw for above		Each		MP6
# Reverse Shaft Retainer, Brass, A.C.		Each		MP7
# Reverse Shaft Retainer Contact for above (phosphor bronze)		Each		MP7A
Loco Weight, 0-4-0, Post-War		Each		MP8
Spring for above		Each		MP9
Under-Cab Weight, 4-4-0, A.C.		Each		MP10
Cabside Weights for late 12Vd.c. 4-4-0 locos i.e. Hunt, Schools, Midland Compound		Pair		MP10A
Gearbox Housing, E.M.1 Bo-Bo, Warship etc.		Each		MP11
Special Screw for Motor Side Frame (Post-War)		Each		MP12
Shouldered Screw, 10BA, Post-War Loco Couplings, 0-4-0 locos		Each		MP13
Shouldered Screw, 10BA, Large Head, for US loco couplings & 4-4-0 bogies		Each		MP13A
Pivot Screw, 10BA, for Dump Wagons		Each		MP13B
Shouldered Screw 7BA x 6mm long, 4-4-0 Bogies (A.C. locos) Class V and Britannia bogies		Each		MP14
" " M2.6 x 5mm long, A.C. Pacifics, A2 & BR01 Bogies		Each		MP14A
" " 7BA x 9mm long, 4-4-0 Bogies (D.C. locos)		Each		MP15
Crank Bolt, Hex Head, Post-War Locos, 2mm thread		Each		MP16
Crank Bolt, Cheesehead, Pre-War Locos, 2mm thread		Each		MP16A
* Crank Bolt, M1.7, Shouldered (Ruston-Hornsby Shunter etc. & Peppercorn front and rear drivers)		Each		MP17
Crank Bolt, M1.4 x 3, Hex Head (Peppercorn unflanged middle drivers, A.C. Pacifics, etc)		Each		MP18
Crank bolt, M1.4 x 4, Hex Head (Britannia / Class V, 0-6-2T etc.)		Each		MP19
Crank Rods and Pistons for AC locos, 0-4-0 including U.S., 4-4-0, 4-6-2, Schools & D.C. 4-4-0's		see page 4		
Rivet, Brass Tubular, 3mm dia x 4mm long, for centre collector shoe leaf spring & post war couplings		Pack of Ten		MP20
Rivet, Brass Tubular, 3.5mm diameter, for short Bogie Coaches etc.		Pack of Ten		MP21
Bar Magnet, "Alnico", 8mm diameter x 25mm long (for "D.C. converted" 14V A.C. motors)		Each		MP22
Field Coil Contact Spring (Fits above field coil on thick chassis 14V a.c. locos)		Each		MP23
Contact, phosphor bronze, for Motor Side Frame		Pair		MP24
Buehler "can" motor for late British Liliput Western Diesel etc		Each		MP25
Wheels, Tyres, Frames		Quantity	Price	Order Ref.
Wheels, Loco, A.C. Geared, Plain (no crank boss) MAZAK		Pair		W1M
Wheels, Loco, A.C. Geared, Plain (no crank boss) MAZAK WITH TRACTION TYRES		Each		W1MT
Wheels, Loco, A.C. Geared plus Crank Boss MAZAK		Pair		W2M
Wheels, Loco, A.C. Geared plus Crank Boss MAZAK WITH TRACTION TYRES		Each		W2MT
Wheel Bushes, Nylon, 2.5mm Bore for W1/W2 type wheels (also fit 0-6-2T wheels if shortened)		Pack of Ten		W4
Wheel Bushes, Nylon, 3.0mm Bore for W1/W2 type wheels		Pack of Ten		W5
Wheels, Rolling Stock, 10mm Brass, Disc type, Coarse flanged (Coach Lighting)		Pair		W6
Wheels, Rolling Stock, 10mm Nylon, Disc type, Coarse flanged (early Post-War)		Four		W7
Wheels, Rolling Stock, 10mm Nylon, 6-spokes, Coarse flanged (Trix Express pattern)		Four		W9
Wheels, Rolling Stock, 11mm Nylon, Disc type, (mainly Trix Express rolling stock)		Four		W11
Wheels, Nylon, 14mm, Coarse flanged, Spoked (4-4-0 / 4-6-2 tenders etc.)		Pair		W12S
Wheels, 3-rail, Nylon, 14mm, Coarse flanged, Spoked (Britannia, Class V, Meteor)		Pair		W12A
Wheels, 2-rail, Nylon, 14mm, Scale flanged, Spoked (Britannia, Class V)		Pair		W12B
Wheels, Nylon, 14mm, Unflanged, Spoked (4-4-0 / 4-6-2 tenders etc)		Pair		W13S
Wheels, Nylon, 14mm, Unflanged, Spoked (Britannia, Class V)		Pair		W13A
Axles for Rolling Stock, 2mm diameter x 25.8mm long, blued steel		Four		W14
Axles for 4-4-0 / 4-6-2 Front Bogie, 2mm diameter x 22.6mm long, blued steel		Pair		W14A
Axles for 4-4-0 and 4-6-2 diecast tenders, 2mm diameter x 27.5mm long, blued steel		Each		W14B
Axles, Trix Express type, 2mm diameter x 25.4mm long with 1mm reduced ends (not pinpoint)		Pair		W14C
* Bogie Frame, E3000		Set of Four		W15
* Battery boxes, E3000 (Fit under body between bogies)		Pair		W15A
* Bogie Frame, Western Diesel		Set of Four		W16
Bogie Frame, Intercity DMU (Direct fit to Dapol version --- needs gluing to Trix version)		Each		W17

* denotes genuine Trix or Liliput items

denotes etched brass reproduction spares

Bogie Frame, E.M.1. Bo-Bo	Each		W18	
Bogie Frame, Diesel Flyer, Meteor	Each		W19	
Bogie Frame, as above but early pre-war thin version, Southern Electric etc.	Each		W19A	
# Bogie Steps, Continental Pacific, Pre-War	Each		W20	
#Bogie Steps, 4-4-0 / 4-6-2, Post-War	Each		W21	
* Traction Tyres, Intercity D.M.U.	Pair		W22	
* Traction Tyres, E3000 / Western / Tender Drive Steam Loco with Liliput Motor	Pair		W23	
* Traction Tyres, R-H Shunter / Tender Drive Steam Loco with Trix Motor / Bo-Bo / Warship etc.	Pair		W24	
* Traction Tyres, A2 Peppercorn / Britannia / Class V	Pair		W25	
Traction Tyres, X8331, for 0-6-2T and 0-4-0/4-4-0/Meteor 18mm grooved drivers on D.C. chassis	Pair		W27	
Traction Tyres, X8101, for early British Trix plastic bodied A3 and A4 locos, loco drive only	Pair		W28	
Collector Shoes and Channels		Quantity	Price	Order Ref.
* Standard A.C. Shoes (also 3-Rail Trix Express Pacific BR01 Centre Shoes)	Four			S1
Tender / Ruston Hornsby Shunter / D.C. 4-4-0 etc., Side Shoes	Pair			S2
Special Dome Head Screw M2 x 2.7mm long for S2 shoes	Pair			S2A
Diesel Flyer / Meteor / Southern Electric Side Shoes	Pair			S3
* Ruston-Hornsby Shunter, Class V, Britannia etc. Centre Shoes	Pair			S4
* W.R. 0-6-2 Tank Loco Shoes	Set of Four			S5
* E.M.1. Bo-Bo / Warship Shoes	Set of Four			S6
# E.M.1. Bo-Bo Pantograph, complete	Each			S6A
# E.M.1. Bo-Bo Pantograph upper arm and skate assembly only (to repair existing pantographs)	Each			S6B
Centre Shoe Retaining Channel, A.C.	Each			S7
# Centre Shoe Retaining Channel, Britannia / Class V, WR 0-6-2T, R-H Shunter etc.	Each			S8
# Centre Shoe Leaf Spring, Britannia / Class V etc.	Each			S9
# Shoe Retaining Cover, E.M.1. Bo-Bo / Warship etc.	Each			S10
# Centre Shoe Leaf Spring for 14V A.C. 0-4-0 & 4-4-0 Locos, Diesel Flyer, Meteor etc.	Each			S11
# Coach Lighting Shoe for post war TTR scale length coaches	Each			S12
# Coach Lighting Shoe for pre war TTR scale length coaches	Each			S12A
# Tender Shoe Leaf Spring for 14V A.C. 4-4-0's & 4-6-2's	Each			S13
# Centre Shoe Retaining Channel for 0-6-0 (with rectangular cutout for worm drive wheel)	Each			S14
# 2-Rail Conversion Springs (replaces centre pickup shoes on Britannia or Class V for 2-rail operation)	Pair			BCV43
Couplings		Quantity	Price	Order Ref.
Cast Hooks, Pre-War	Twenty			C1
Wire Links for Above	Twenty			C2
# Uncoupler Stirrup, Pre-War	Each			C3
Coupling Channel Spring (Pre-War Rolling Stock) 1/8" diameter. Cut to length as required.	Four			C4
# Coupling Channel, Short (Pre-War Wagons)	Each			C5
# Coupling Channel, Long (Pre-War Wagons)	Each			C6
* Wire Links, "Trix Express", for Diesel Flyer and Trix Express Rolling Stock	Pair			C7
* Coupling (plastic) for late Trix and British Liliput Wagons, Steam Loco Tenders & Bulk Grain Vans	Eight			C8
* Coupling (plastic) for late Trix and British Liliput Coaches, Intercity D.M.U.	Eight			C9
Coupling (plastic), long type for E3000 and Western Diesel (Made in ABS from original moulds)	Pair			C10
Spacer, brass, shouldered, 10BA clearance, for post war 4-4-0 tender coupling	Each			C11
Buffers / Beams		Quantity	Price	Order Ref.
Standard Buffer, 0-4-0 Post War A.C. Locos	Four			B1
Long Buffer, London Transport / 20/55 / Cadet (rear) (see also B9)	Four			B2
* Oval Buffer (nickel) for Warship, Inter-City DMU & Western Diesel (replaces plastic type B3)	Pair			B3A
* Round Buffer (plastic) for late Trix and British Liliput Bulk Grain Vans (whisky wagons)	Pair			B4
Buffer Beam Plates, 0-4-0 Post War A.C. Locos	Each			B5
# Buffer beam plate for post war 4-4-0 tender	Each			B5A
Cast Beam, American Switcher Loco	Each			B6
Cast Cowcatcher, American Passenger Loco	Each			B7
Short Buffer, as B1 but short thread for 4-4-0 / 4-6-2 tenders and front bogies, also Ruston H. Shunter	Pair			B8
Extra Long Buffer, superior replacement for London Transport and pre-war Trix Express locos	Four			B9
# Buffer Beam / Coupling Retainer pre-war - London Transport, 20/55 etc.	Each			B10
Short round nickel plated buffer for pre-war Southern Electric EMU and pre-war 20/58 Diesel Flyer	Each			B11

Pacifics (mainly)	Quantity	Price	Order Ref.
Pony Truck casting for Scotsman / Princess / Coronation	Each		P1
Imitation Axle Bearings for Pony Truck (replica of original construction)	Each		P2
Keeper Plate for 2.5mm Axles (Post-War)	Each		P3
Keeper Plate for 3.0mm Axles (Pre-War)	Each		P4
Front Lamp Casting (also suits 4-4-0 Hunt Class and Midland Compound Locos)	Each		P5
Front Bogie Casting, post-war Scotsman and all 4-4-0's	Each		P6
Front Bogie Casting, all 4-6-2's except post-war Scotsman	Each		P7
# Front Bogie Link Bar (4-4-0's & early Britannia and ClassV locos)	Each		P8
Connector Assembly, 3-pin, for 14Va.c. post-war Scotsman	Each		P9
Moulded 3-way socket for P9 (post war Scotsman on loco & tender chassis)	Each		P9A
# Buffer Beam Plate for post war Scotsman tender 	Each		P10
# Towing pin assembly for pony truck 	Each		P11
Presspahn Insulators for above (One needed above and below towing pin assy)	Pair		P11A
Grommet, black rubber, fits 3/16" hole (for pre-war Pacific tenders, whistling coach etc.)	Each		P12
Keeper plate for A.C. 4-4-0 & 4-6-2 tender axles (NOT Britannia or Class V)	Each		P13
Body Parts / Castings	Quantity	Price	Order Ref.
# Crane Hook, TTR Replica	Each		BC1
Periscope ("Roof Vent") Casting, Southern Electric	Each		BC2
Smoke Deflectors (cast reproduction) "Schools" Locos	Pair		BC3
Front Lamp for Ruston-Hornsby Shunter	Each		BC4
Small Lamp for American Loco Tenders	Each		BC5
Large Lamp for American Switcher Loco Tenders (excluding lens)	Each		BC6
Tank Wagon End cap	Each		BC7
* End Frames for late Tinplate and Plastic Tank Wagons	Pair		BC8
Boiler Handrails, 0-4-0 Locos	Pair		BC9
Boiler Handrails, 4-4-0 Hunt Class (Pytchley) Loco (see also BC20)	Pair		BC10
Boiler Handrails, 4-4-0 Midland Compound and "Schools" Locos (see also BC20)	Pair		BC11
Cylinder Casting, 4-4-0 Midland Compound Loco (Improved version)	Each		BC12
Cylinder Casting, American Passenger / Switcher Loco	Each		BC13
Cylinder Casting, 2-4-2 Continental Tank Loco (20/56)	Pair		BC14
Chimney, Cast Reproduction, for American Passenger / Switcher Loco	Each		BC16
Smoke box door casting for U.S. Switcher loco	Each		BC17
Chimney top for W.R. 0-6-2 Tank loco (replica in phosphor bronze)	Each		BC18
Cylinder Casting, 4-4-0 "Pytchley" and "Dover" ("Schools" class) locos	Each		BC19
Split Pins for securing boiler handrails 4-4-0 / 4-6-2 (squeeze round handrail wire for tight fit)	Twelve		BC20
# Tender shoe rocker / lever for 14Va.c. 4-4-0 tenders	Each		BC21
"Insulator" for top of Weltrol transformer load (brass replica of original white plastic part) NEW	Each		BC22
Lighting / Conveyor / Miscellaneous	Quantity	Price	Order Ref.
Bulbs, 14V, 65mA, L.E.S. cap (Coach Lighting, Colour Light Signals etc.)	Four		LC1
Bulbs, 14V plain cap with hook for Diesel Flyer, T.E. Bakelite or fibre points (state red or white)	Each		LC1A
Bulbs, 12V flanged for Trix / British Liliput E3000, Western Diesel & D.C. Flying Scotsman locos	Each		LC2
Elevator Belt for Coal Conveyor	Each		LC3
Long Conveyor Belt (red silicone rubber)	Each		LC4A
Rail Clamps for Bakelite Track (Replica post war pattern - new)	Twenty		LC5
Screws for above, No.3 x 3/8" round head, black (new)	Twenty		LC6
Manyways Filler Panels for Awning Platforms and Main Terminal Span	Pair		LC8
Manyways Clock Faces (reproduction, on self-adhesive label)	Strip of 3		LC9
Telegraph Pole / Yard Lamp Base	Each		LC10
# Telegraph Pole Top (Pre-War)	Pair		LC11
Telegraph Pole (4" long x 1/8" diameter Ramin Dowel supplied cut to correct size)	Each		LC11A
# Telegraph Pole Top (Post-War)	Pair		LC12
# Signal Base, for "722" to "727" signals (now complete with lamp holder and lamp)	Each		LC13
# Pylon Base for catenary overhead pickup system	Each		LC14
TV Interference Suppression Capacitor, 0.01 microfarad, 100V working	Each		LC15
TV Interference Suppression choke 5.6µH, 0.38Ω, 780mA max. For 12V D.C. motors	Pair		LC15A
Brass Plugs, 31/50 replica or genuine, as available	Each		LC16
Ball Bearing, 2mm diameter, for conveyor worm drive shaft	Each		LC17

# Lamp Contact, phosphor bronze, for colour light signal lampholder assembly	Pair		LC18
Conveyor "Engine House" casting	Each		LC19
Conveyor Support Tower casting only	Each		LC20
# Base plate for conveyor support tower LC20	Each		LC20A
Twin Lampholder assy for Meteor Diesel (moulded resin with brass lamp sockets)	Each		LC21
Grommet Feet for Coal Conveyor	Four		LC22
Roof for Whistling Signal Box	Each		LC23
2-Pin Connector lead with plug each end for Diesel Flyer and Trix Express 20/58	Each		LC26
2-pin Connector lead with only one plug (for pre-war Diesel Flyer with solid connection to trailer car)	Each		LC26A
Conflat B wagon (for MACFISHERIES container load) without load	Each		WN31
Pair of containers, plain silver, plastic	Pair		WN36
Set of MacFisheries transfers	Set		WN36A
Single container, ready transferred "MACFISHERIES"	Each		WN36B
Servicing Aids		Quantity	Price
Fleischmann Special Oil (bottle with dropper wire in cap, similar to discontinued Trix oil)	Each		SA1
* Trix Track Voltage Tester (special test lamp with contacts to bridge OO, N, or Scaletric tracks)	Each		SA2
* Trix Gear Grease	Tube, 13grm		SA3
Wire flex, 0.5A PVC, 10/0.1mm, 1mm dia. Loco wiring etc. Black, Green, Red, Yellow (state which)	Per Metre		SA6/B/G/R/Y
Wire sleeving, PVC, black, 1,2 or 3mm bore. 0.5mm wall thickness (state which bore is required)	Per Metre		SA7/1/2/3
FOR ITEMS ABOVE AND ON PAGES 1 - 3, ORDER FROM MARTIN DRAYSON *Add sufficient for postage and packing*			
FOR VALVEGEAR ITEMS BELOW, ORDER FROM MARTIN BLACKWELL (see 'Support Services' in Gazette)			
Steam Locomotive Valvegear Made to order Postage and packing extra	Quantity	Price	Ref.
Crank rods and Pistons for British outline diecast 0-4-0 loco	Pair		V1
Crank rods and Pistons for American outline 0-4-0 loco	Pair		V2
Crank rods and Pistons for AC and 12v DC plastic bodied 0-4-0 locos	Pair		V3
Crank rods and Pistons for 4-4-0 Hunt Class (Pytchley) loco	Pair		V4
Crank rods and Pistons for 4-4-0 Midland Compound loco	Pair		V5
Coupling rods for 4-4-0 inside cylinder 'specials' eg Southern L1	Pair		V6
Coupling rods for Ruston Hornsby Diesel Shunter	Pair		V7
Valve gear, complete, for 4-6-2 Pacific locos (Princess, Coronation, Scotsman)	Pair		V8
FOR ITEMS BELOW, ORDER FROM JOHN HILLS-HARROP (also enquiries about late plastic loco, wagon and coach body parts)			
Glazing and Posters for Manyways buildings (Add sufficient for postage and packing)	Quantity	Price	Order Ref.
Roof Span for Building No.42	Each		WIN01
Large windows (sheet of 18) for Main Building No.38, Carriage Shed No.71, Engine Shed No.73	Sheet		WIN02
Small windows (set of 18) for Annexe Building No.37, Goods Shed No.32, Water Tower No.69	Set		WIN03
Signal Box Windows (sheet of 135 windows) for Gantry Signal Box No.67, Country Signal Box No.62	Sheet		WIN04
Quadrant Building Windows (set of 3) No.35	Set		WIN05
121 Assorted Posters for Filler Panels LC8 (see page 3) reproduced from TTR originals	Set		WIN06

For items not listed, please enquire

<p>TTRCA Spare Parts - Conditions of Sale</p> <p>1. TTRCA Spare Parts can only be supplied to current members of the Trix Twin Railway Collectors' Association. Original parts are supplied where possible. Otherwise substitute or replica parts are supplied.</p> <p>2. Orders should normally be accompanied by the appropriate payment unless otherwise agreed with the Spares Officer.</p> <p>3. Payment by UK members should be in the form of a cheque or Postal Order made payable to "TTRCA". Card or PayPal payments cannot be accepted. Cash or postage stamps for small orders are entirely at the sender's risk.</p> <p>4. Payment by overseas members is subject to local arrangements. In some areas payment is possible via the Country representative. Where this is not the case, arrangements should be agreed with the Spares Officer or the Overseas Liaison Officer.</p>	<p>5. Every effort is made to supply goods that are correct and fit for purpose but no liability can be accepted for consequences arising from their use. Errors can occur due to unclear description of the part required or due to modifications during the production period of an item. Suspected incorrect or faulty items must be returned for inspection and may be replaced or a credit or refund offered at the discretion of the Spares Officer.</p> <p>6. Wherever possible, orders are despatched within one week from receipt of order. However the spares are supplied by volunteers working in their spare time, so this cannot always be guaranteed.</p> <p>7. The TTRCA Spares List is supplied with the Spring Gazette. Publication of the list does not guarantee availability. Non-listed items, both new and used, may be available upon enquiry. Prices charged will be those ruling at the time of despatch.</p>
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