

Small power bogie shopping list.

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Layshaft and Wheel and Axle assembly

Supplied by CMD Engineering

POA

Axle sprockets

For 6mph and maximum pulling power get;
27 tooth taperlock sprocket 06B1 31-27

4 off

£32 all

OR

For a faster loco that will pull less get;
24 tooth taperlock sprocket 06B1 31-24

4 off

£32 all

taperlock bush 1210-20

4 off

£16 all



Bearings

Wheel bearings 6004-2RS

20 x 42 x 12 rubber sealed

8 off

£15 all

Layshaft bearings 6202-2RS

15 x 35 x 11 rubber sealed

4 off

£8 all

Bolster bearings 628 2RS

8 x 24 x 8 rubber sealed

4 off

£8 all

Shaft collars, 20mm

8 off

£15 all



Roller chain

06B, you will need 2100mm,

order 3m

£30

06b connecting link

6 off at least

£4 all



Brake shoes are available from PNP, www.pnp-railways.co.uk

Pack of four 7 1/4" standard gauge brake shoes PNR 1-E

£20

Springs - vibration isolators 30 dia x 20 thick
with male M8 thread one side

8 off

£25 (10)

Search for 'vibration mounts'. (These come from China,
delivery times of a few weeks are not uncommon)



Motors, Unite MY1016, 24v 350W

Red Circles or Petrolscooter

2 off

£35 each



'Universal motorcycle clutch brake cable kit'
as per photo

1 off

£13



2 pin spade plug and socket, 6.3mm terminals	2 off	£4
Wire, 4mm multi-strand, red and black,	1m of each	£2
'R' clips (bogie pivots) 2mm x 43mm	2 off	£2.50
20mm Black Rubber Blanking Closed Grommets,	2 off	£1
2mm cable ties for brake cable and wiring	10 off	£1



Fixings and fastenings (quantities rounded up slightly to save you from running out)

All available on eBay, you may be able to save quite a bit if you shop around or find a local stockist who is prepared to make up a pack from the list. It's worth trying 'Orbital fasteners' on line shop, they will sell you what you want rather than bags of 50 or 100.

M6 x 16 button head stainless	140
M6 x 20 hex screw BZP	10
M6 x 30 hex screw BZP	35
M6 thin nyloc nut	200
M6 form B (thin) washer 0.8mm thick, stainless steel	200
M8 x 30 hex screw BZP	35
M8 thin nyloc nut	35
M8 form B (thin) washer 0.8mm thick, stainless steel	70
M10 x 75 hex screw BZP	2 (coupling pins)
M20 washer BZP	2

Painting

I have my own spraying gear, but you could paint by brush, use spray cans or get all the parts powder coated, if you can find a local powder coating firm who will take folding beer tokens you may get a good deal. Even if you are spraying outdoors you should use a proper paint spraying mask with the replaceable filter cartridges, buy one at the same shop that you buy the paint from and get some latex gloves as well. I clean the metal with thinners and a scouring pad to give a key for the paint, then degrease with panel wipe.

Tin of thinners.

Tin of panel wipe

500ml of acid etch primer and activator.

500ml of gloss.