

October
2011

COMET MODELS

50p

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Visit our website at www.cometmodels.co.uk to find out more about the range, view finished products in colour and download images and instructions.

Send for our helpful guides
Building Coaches the Comet Way £1.00
Building Loco Chassis the Comet Way £1.00

Please note that we do not have shop premises, and we do not hold stock at the postal address

We offer an efficient mail order service. £3.00 post and packing up to £25.00. £4.00 on orders valued £25 to £75. Orders over £75 sent by carrier or Royal Mail special delivery at cost. Overseas orders by airmail at cost.

Payment by cash, cheque or postal order payable to Comet Models, or by
VISA MASTERCARD VISA DEBIT

Please note minimum order value for card transactions is £10

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These products are kits for assembly by the purchaser, which will require a degree of skill and a selection of hand tools. Etched parts require solder assembly.

We do not offer goods on approval, so to avoid disappointment you are advised to ensure they meet your requirements before you decide to purchase.

Goods as supplied are suitable for 00 gauge; if you model in EM or P4 this should be stated before placing an order. In case of doubt please refer for advice.

LOCOMOTIVE KITS include the chassis for the engine and tender but require wheels motor and gearbox to choice. We stock and recommend the Romford/Markits range of wheels together with Mashima can motors and a range of gearboxes in kit form containing precision cut helical gears. All these items are listed on page 5 and 6.

LK1 Stanier Rebuilt Royal Scot 4-6-0	120.00	LK14 LMS Ivatt Caprotti Class Five 4-6-0	110.00
LK5 Stanier 8F 2-8-0*	90.00	LK16 Ivatt Class 2 2-6-0	100.00

*Please state choice of tender when ordering, either Stanier 4000 gallon riveted or welded, or Fowler 3500 gallon type

BEGINNER'S LOCOMOTIVE KIT LK22. Comprising a fully finished Replica body for a GWR 0-6-0PT, LCP22 chassis pack, Romford axles and crankpins, W&T Scalelink wheels, Mashima MHK1020/4 motor, Comet Models GB4 38:1 single stage gearbox, LS16 Comet Models 00 assembly jig, instructions, CD. Complete kit 90.00

LOCOMOTIVE CHASSIS PACKS

LMS Locomotives

LCP1 Jubilee/Scot/Patriot	35.50	LCP10 2P 4-4-0	18.00
LCP2 Coronation	33.00	LCP11 Ivatt 2-6-2T 2MT	33.00
LCP3 Stanier Black 5	35.50	LCP12 G2 0-8-0	18.00
LCP4 Fowler/Stanier 2-6-4T	39.00	LCP13 Crab, Rotary cam v/g	36.50
LCP5 Stanier 8F	35.50	LCP14 Crab, Walschaerts v/g	36.50
LCP6 Fowler 4F	19.50	LCP15 Class 5 long w/b	30.50
LCP7 Princess Royal	33.00	LCP16 Ivatt 2-6-0 2MT	30.50
LCP8 Jinty 3F 0-6-0T	19.50	LCP17 Fairburn 2-6-4T	39.00
LCP9* Compound 4P 4-4-0	24.00	*This chassis has 10" w.b. to suit the Hornby model	
GWR Locomotives			
LCP19 28XX 2-8-0	28.50	LCP26 Manor	34.00
LCP20 Large Prairie	35.50	LCP27 14XX 0-4-2T	16.00
LCP21* King	24.00	LCP28 56xx 0-6-2T	19.50
LCP22 57XX 0-6-0PT	19.50	LCP29 43xx 2-6-0	34.00
LCP23 2251 Collett Goods	19.50	LCP60 Grange	34.00
LCP24 Castle/Star	34.00	LCP61 45xx Small Prairie	35.50
LCP25 Hall/County	28.50	LCP62 Dean Goods	19.50

*please note that the King bogie is available as a spare from Hornby

LNER Locomotives

LCP30 Gresley A1/A3/A4	33.00	LCP34 N2 0-6-2T	19.50
LCP31 Thompson B1 4-6-0	36.50	LCP35 D49 4-4-0	30.50
LCP32 B17 4-6-0	30.50	LCP36 V2 2-6-2	33.00
LCP33 J72 0-6-0T	19.50	LCP37 J39 0-6-0	16.00
BR Locomotives			
LCP40 Britannia 4-6-2	33.00	LCP43 9F 2-10-0	32.00
LCP41 Class 4 4-6-0	35.50	LCP44 Class 5 4-6-0	35.50
LCP42 Class 4 2-6-4T	39.00	LCP46 Class 4 2-6-0	30.50

SR Locomotives

LCP50 Lord Nelson 4-6-0	30.50	LCP52 Schools 4-4-0	30.50
LCP51* Rebuilt W.C'try/BofB	33.00	LCP53 Terrier 0-6-0T	19.50

*Original WC/BB can be modelled by modification of cylinders and omitting the outside valve gear.

FRAMES etched in 18 thou brass or nickel silver include spacers which fold to 90°, brake gear and pull rods.

LMS Locomotives

LF1 Jubilee/Scot/Patriot	15.50	LNER Locomotives	
LF2 Coronation	12.00	LF30 Gresley A1/A3/A4	12.00
LF3 Stanier Black 5	15.50	LF32 B17 4-6-0	11.50
LF4 Fowler/Stanier 2-6-4T	15.50	LF35 D49 4-4-0	11.50
LF5 Stanier 8F	15.50	LF36 V2 2-6-2	12.00
LF7 Princess Royal	12.00	BR Locomotives	
LF15 Class 5 long w/b	12.00	LF40 Britannia 4-6-2	12.00
LF17 Fairburn 2-6-4T	15.50	LF41 Class 4 4-6-0	15.50
GWR Locomotives			
LF19 28XX 2-8-0	11.50	LF42 Class 4 2-6-4T	15.50
LF20 Large Prairie	15.50	LF43 9F 2-10-0	12.00
LF21 King	11.50	LF44 Class 5 4-6-0	15.50
LF24 Castle/Star	15.50	LF46 Class 4 2-6-0	11.50
LF25 Hall/County	11.50	SR Locomotives	
LF26 Manor	15.50	LF50 Lord Nelson 4-6-0	11.50
LF29 43xx 2-6-0	15.50	LF51 Rebuilt W.C'try/BofB	12.00
LF60 Grange	15.50	LF52 Schools 4-4-0	11.50

MOTION SETS etched in 18 thou nickel silver include coupling rods. For outside cylinder locos includes connecting rods and slidebars. For outside valve gear locos includes full outside motion with slidebars and motion support brackets as appropriate, plus valve gear rivets. Crossheads are supplied separately.

LMS Locomotives

LM1	Jubilee/Scot/Patriot	12.25
LM2	Coronation	12.25
LM3	Stanier Black 5	12.25
LM4	Fowler/Stanier 2-6-4T	12.25
LM5	Stanier 8F	12.25
LM7	Princess Royal	12.25
LM10	2P 4-4-0	5.25

LNER Locomotives

LM30	Gresley A1/A3/A4	12.25
LM32	B17 4-6-0	12.25
LM33	J72 0-6-0T	5.25
LM34	N2 0-6-2T	5.25
LM35	D49 4-4-0	12.25
LM36	V2 2-6-2	12.25

BR Locomotives

LM40	Britannia 4-6-2	12.25
LM41	Class 4 4-6-0	12.25
LM42	Class 4 2-6-4T	12.25
LM43	9F 2-10-0	12.25
LM46	Class 4 2-6-0	12.25

GWR Locomotives

LM19	28XX 2-8-0	9.00
LM20	Large Prairie	9.00
LM21	King	10.00
LM24	Castle/Star	10.00
LM25	Hall/County	9.00
LM26	Manor/Grange	9.00
LM28	56xx 0-6-2T	5.25
LM29	43xx 2-6-0	9.00

SR Locomotives

LM50	Lord Nelson 4-6-0	12.25
LM51*	Rebuilt W.C'try/BofB	12.25
LM52	Schools 4-4-0	12.25

LOCO CYLINDERS Etched 15 thou stretcher with cast whitemetal sides and valve chests.

LC1	LMS/SR type	4.50	LC4	LNER type(incl A1/A3)	4.50
LC2	GWR 2 cylinder type	4.50	LC5	BR Standard	4.50
LC3	GWR 4 cylinder type	4.50			

LOCOMOTIVE COMPONENTS Parts are etched or turned brass or nickel silver unless shown as whitemetal (w/m) or lost wax (l/w) castings. Bogies and pony trucks are etched in 15 or 18 thou brass or nickel silver and include an 8BA shouldered bolt and nut. These are also available separately code LS46.

LS1	LMS/BR AWS tanks & battery box w/m	2.50	LS31	Steam heating pipes x 2 l/w	2.75
LS2	Pony truck-bar frame type	4.50	LS32	LMS/BR loco buffers x 4 l/w	3.50
LS3	Pony truck-plate frame type	4.50	LS33	Stanier loco & tender steps x 8	3.00
LS4	Bogie 6' 3" w.b.	4.50	LS34	GWR loco & tender steps x 8	3.00
LS5	Bogie 6' 6" w.b.	4.50	LS35	BR loco & tender steps x 8	3.00
LS6	Bogie 7' 0" w.b. GWR type	4.50	LS36	LMS strap steps,2 rung l/w pair	2.75
LS7	Bogie 7' 6" w.b. LMS Pacifics	4.50	LS37	LMS strap steps,3 rung l/w pair	2.75
LS8	Double slidebar crossheads l/w	3.50	LS38	Sandbox fillers x 8 w/m	2.00
LS9	Single slidebar crossheads l/w	3.50	LS39	Vacuum release valves x 6 w/m	2.00
LS10	EM frame spacers 7 assorted	3.00	LS40	LMS/BR lubricators w/m pair	2.00
LS11	Bogie 6' 3" LNER and SR type	4.50	LS41	Class 5/8F chimney w/m	2.00
LS12	Trailing truck LMS Pacifics	4.50	LS42	Stanier sandboxes w/m pair	2.00
LS13	Bogie 7' 6" w.b. SR type	4.50	LS44	Ivatt C12 backhead w/m	2.00
LS14	LNER Cartazzi axleboxes w/m	2.50	LS45	Ivatt C12 screw reverser w/m	2.00
LS15	OO frame spacers 8 assorted	3.00	LS46	8BA shouldered bolt and nut x 5	1.75
LS16	Frame assembly jigs 00	5.25	LS48	Ivatt C12 short fat chimney w/m	2.00
LS17	Frame assembly jigs EM	5.25	LS49	Ivatt C12 tall thin chimney w/m	2.00
LS18	Trailing truck Bulleid 4-6-2	4.50	LS50	Class 5 balance weights	2.00
LS19	Trailing truck BR Britannia	4.50	LS51	Jubilee/Patriot balance weights	2.00
LS20	Stanier cab Black5/8F/Jubilee	9.00	LS52	Royal Scot balance weights	2.00
LS21	Stanier steam injectors l/w pair	3.50	LS53	Coronation balance weights	2.00
LS22	Ivatt C12 steam injectors l/w pair	3.50	LS54	BR 9F balance weights	2.00
LS23	Loco pick-up set	3.25	LS55	Hornblocks & springs x 6 to fit 6mm wide hornways	7.50
LS24	Loco/tender electrical connector	2.25	LS56	Etched axle covers x 12	2.00
LS25	LMS 4-6-0 backhead w/m	2.00	LS57	LMS Class 5 double chimney w/m	2.00
LS26	LMS 4-6-0 screw reverser w/m	2.00	LS58	Hornblock springs x 10	2.50
LS27	LMS 4-6-0 vacuum ejector w/m	2.00	LS59	Assembly jig adaptors for 6mm wide hornways x 4	3.00
LS28	LMS oval buffers x 4 l/w	4.00	LS60	P4 frame spacers 8 assorted	3.00
LS29	LNER stepped buffers x 4 l/w	3.50	LS61	Frame assembly jigs P4	5.25
LS30	Vacuum pipes x 2 l/w	2.75			

LS62	Coronation "City" deflectors	4.75	LS71	Smokebox door handle	
LS63	Coronation "Duchess" deflectors	4.75		1 plain 1 flanged 5.0mm long	2.00
LS64	LMS/BR speedometer drive (l/w)	1.75	LS72	Smokebox door handle	
LS65	Trailing truck for 6256/46257	6.00		2 flanged handles 5.0mm long	2.00
LS66	LMS Ivatt vertical whistle	2.00	LS73	Etched slotted bogie pivots pair	2.50
LS67	Stanier horizontal whistle 2 part	2.00	LS74	GWR loco detail pack, whistle shields, fire iron & ejector/handrail brackets	
LS68	BR horizontal whistle 2 part	2.00		smokebox door handle	3.00
LS69	Smokebox door handle		LS76	Symmetrical loco steps 4 pairs	3.00
	2 plain handles 6.4mm long	2.00			
LS70	Smokebox door handle		LS80	Crankpin and axle spacing washers	2.25
	2 plain handles 5.0mm long	2.00			

LOCO DETAILING PACKS

LDP1-5 For BR Standard classes. Packs include full plumbing sets comprising lost wax castings, copper wire and fittings together with line drawings to show location of parts and pipe runs. Included also are lost wax castings for vacuum pipe, steam pipe speedometer drive, plus turned brass smokebox door handle, whistle and safety valves.

LDP01	Britannia, Clan, Duke	22.50	LDP04	80/82/84xxx	22.50
LDP02	73xxx	22.50	LDP05	9F	22.50
LDP03	75/76/77/78xxx	22.50			

LDP6-8 Designed to improve the latest Hornby Coronation body moulding, but can also be used with earlier Hornby or Hornby Dublo bodies. Includes etched smoke deflectors, cab floor, fall plate and doors, rear chassis frame extensions, sandbox filler supports, safety valve cover plate, white metal castings for correct height centre cylinder cover, vacuum release valves, sandbox fillers, AWS equipment, lost wax vacuum pipe, speedometer drive, turned brass smokebox door handle, whistle, handrail knobs. Complete with full step by step illustrated instructions.

LDP06	Coronation with utility front or "City" type	22.50
LDP07	Coronation with curved front or "Duchess" type	22.50
LDP08*	Coronation 6256/46257	28.00

* includes replacement cab sides and LS 65 trailing truck

LDP9 Designed to improve the old Hornby 8F body moulding, but can also be used with earlier Hornby Dublo bodies.

Pack includes replacement etched brass cab sides, roof, floor, fall plate, and doors, turned brass handrail knobs, smokebox door handle, whistle and safety valves, AWS equipment, lost wax vacuum pipe, injectors. Complete with full step by step illustrated instructions.

LDP09	Stanier 8F	22.50
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DETAILING FRETS - etched frets from our loco kits and detailing packs are now available separately as described. Please note these are supplied as frets only and do not include any other components or instructions.

LS75	Rebuilt Scot. Includes smoke deflectors, cabsides, cab and front steps, reversing rod, cab doors, floor and fall plate, balance weights	11.00
LS77	Stanier 8F Includes cabsides, cab and front steps, reversing rod, cab doors, floor and fall plate, balance weights	10.25
LS78	Coronation 46220-55. Includes rear chassis frame extensions under cab, cab doors, floor and fall plate sandbox filler supports, front frame steps, safety valve cover plate, AWS plate	7.75
LS79	Coronation 46256/7. Includes rear chassis frame extensions under cab, cab sides, cab doors, floor and fall plate sandbox filler supports, front frame steps, safety valve cover plate, AWS plate	7.75

LOCO WORKS, TENDER AND SHED PLATES FOR LMS/BR(LMR) Etched brass frets each contain 2 x loco works plates, 1 x tender build plate, 1 x tender water capacity plate and a selection of 12 x shed plates grouped to cover different types of loco. All are priced at 4.00 and are available while stocks last.

For Stanier 8Fs, can be used for other LMS locos with 4000 gallon tenders, and covers mainly freight depots

Fret A	1A 1E 2A 2B 2E 3A 3D 5B 6B 6C 6E 6F
Fret B	8A 8B 8C 8D 9A 9D 9E 9A 12A 14A 15A 15B
Fret D	41B 41D 41E 55A 55B 55D 56D 56A 66A 82B 84G 87K
Fret E	2C 4A 4B 18D 19A 19C 19D 19G 19G 20A 20B 20C

For Stanier Class Fives and Jubilees, but can be used for other LMS locos with 4000 gallon tenders, and covers sheds throughout the LMS/BR(LMR)

Fret G	1A 1B 1E 2A 2E 2F 3A 3D 3D 3E 5A 5B
Fret H	6A 6B 6C 6E 6G 6H 6J 8B 8B 8F 9A 9E
Fret J	11A 12A 12B 14A 14B 14D 14E 15A 16A 17A 21A 21B
Fret K	24A 24B 24E 24F 24K 24L 26A 26F 26F 27A 27C 27F
Fret L	41C 55A 55C 56F 60A 60B 61B 62A 63A 63B 64C 64D
Fret M	65A 65B 65J 66A 66B 67A 67B 67B 68B 68C 82E 84G

TENDER KITS These include an etched chassis for inside bearing wheels, with brake shoes and pull rods, a frame kit with lost wax and whitmetal detail parts, and an etched or resin tender body

TK1	Stanier 4000 gallon riveted	30.00	TK8	Princess Royal	32.00
TK2	Stanier 4000 gallon welded	30.00	TK9	Coronation de-streamlined	32.00
TK3	Stanier/lvatt 4000 gallon part welded with short spring hangers	30.00	TK10	Coronation non-streamlined	32.00
TK4	lvatt 4000 gallon part welded with roller bearing axleboxes	30.00	TK11	Coronation 46253-5	32.00
TK7	Fowler 3500 gallon flush riveted	30.00	TK12	Coronation 46256/7	32.00
			TK13	BR1B, C, D, E, K (resin body)	30.00
			TK14	BR1F (resin body)	30.00

TENDER BODY KITS Etched brass sides are pre-formed where appropriate. Designed as a direct fit to our range of tender frame kits, they can also be used to improve an rtr tender.

TB1	Stanier 4000 gallon riveted	13.75	TB7	Coronation non-streamlined	16.00
TB2	Stanier 4000 gallon welded	13.75	TB8	Princess Royal	16.00
TB3	Stanier/lvatt 4000 gallon part welded	13.75	TB11	Coronation part welded 46253-5	16.00
TB5	Fowler 3500 gallon flush riveted	13.75	TB12	Coronation part welded 46256/7	16.00
TB6	Coronation de-streamlined	16.00			

TENDER FRAME KITS Etched tender base and frames with steps, water scoop, buffers, vacuum and steam pipes, axleboxes and where appropriate sieve boxes.

TF1	Stanier 7'6"x7'6" with standard type axleboxes	11.75	TF4	Fowler 6'6"x6'6"	11.75
TF2	Stanier/lvatt 7'6"x7'6" late pattern axleboxes	11.75	TF5	BR Standard 7'0"x7'0"	11.75
TF3	lvatt. 7'6"x7'6" with roller bearing axleboxes	11.75	TF10	GWR Dean Goods	11.75.

TENDER CHASSIS Etched in 18 thou brass, with hornways for inside bearing wheel sets. Can be compensated if desired. They are designed as a direct fit to our tender frame packs, but can also be used to improve an rtr tender, especially when dispensing with a tender drive mechanism.

TC1	6' 6" x 6' 6"	6.00	TC4	5' 3" x 5' 6" x 5' 3"	6.00
TC2	7' x 7"	6.00	TC5	7' 3" x 6' 3"	6.00
TC3*	7' 6" x 7' 6"	6.00			*includes both LMS and GWR type brake shoes and hangers.

TENDER COMPONENTS

TS1	Stanier standard spring/axlebox x 6	3.50	TS9	Fowler brake standards & water gauge l/w	3.00
TS2	Stanier/lvatt later spring/axlebox x 6	3.50	TS10	LMS dome & water filler	2.50
TS3	lvatt roller bearing spring/axlebox x 6	3.50	TS11	LMS tubular air vents, pair	2.00
TS4	Fowler spring/axlebox x 6	3.50	TS12	LMS lvatt flat air vents, pair	2.00
TS5	BR Standard spring/axlebox x 6, sieve boxes	4.00	TS13	Stanier fire iron tunnel	2.00
TS6	LNER spring/axlebox x 8	4.00	TS14	Coronation coal pusher	2.00
TS7	GWR spring/axlebox x 6	3.50	TS15	LMS water sieve boxes, pair	2.00
TS8	lvatt CI2 spring/axlebox x 6, sieve boxes	4.00	TS16	Water scoop	2.00

MOTORS AND GEARBOXES At times when stocks are low we hope you will understand that we must reserve the right to supply motors and gearboxes to customers placing orders for our own chassis and loco kits

MASHIMA MOTORS Supplied with double shafts for use with a flywheel if desired. All motors are tested and fixing screws inserted before packing.

10 SERIES 1.5mm shaft	MHK1015	MHK1020	MHK1024	16.50	
16 SERIES 2.0mm shaft	MH1620	MH1624	MH1626	MH1628	19.00

GEARBOXES We offer single stage 38:1 gearboxes and a choice of two stage gearboxes with either 38:1 or 50:1 ratios. All include precision cut helical gears with boss and grub screw fixing. These gears allow sideplay on the driven axle. GB1, GB2 and GB3 are suitable for the 12 and 16 series motors, GB4 for the 10 series motors. Gearboxes are supplied with a steel worm with boss and grub screw. When ordering GB1, 2, 3 or 5 please state whether you require a 1.5mm or 2.0mm bore worm.

GB1 2 stage 50:1 16.50 GB2 single stage 38:1 9.25 GB3 2 stage 38:1 16.50 GB4 single stage 38:1 9.25

GB5 compact two stage gearbox with 38:1 ratio. Includes precision cut helical gears with final drive gear having a boss and grub screw fixing. Suitable for all motors with fixing centres from 8 to 10mm. Supplied with a steel worm with boss and grub screw. When ordering please state whether you require a 1.5mm or 2.0mm bore worm. price 14.50

Drive extenders for use with GB5. These allow variable geometry and extra height where a motor must clear the top of the driving wheels. They also offer the choice of 38, 46 or 50:1 reduction. Supplied with gear and layshaft.

DE38, DE46, DE50 price 6.75

Replacement gears and worms to suit our gearboxes are available. Please specify your requirements exactly.

Brass gears 4.75 Steel worm 1.75

Flywheels FL1 12mm dia x 6mm 1.5mm bore, 5.2 grams 3.00, FL2 14mm dia x 6mm 1.5mm bore, 7.5 grams 3.25
FL3 14mm dia x 8mm 2.0mm bore, 9.8 grams 3.25, FL4 16mm dia x 8mm 2.0mm bore, 12.8 grams 3.50

A data sheet with dimensioned scale drawings of all motors and gearboxes is available on receipt of an sae

NEW Alan Gibson products. The following items are stocked. We can also obtain other Alan Gibson products to order

AG01	Valve gear rivets x 25	3.75	AG03	1/8" axle bearings x 10	2.25
AG02	Flanged pinpoint bearings x 40	3.00			

NEW W&T 00 COACH WHEELS Turned in solid brass, blackened and with a prototypical contoured centre, mounted on 26mm pinpoint axles. Pack of 3 wheelsets and 6 bearings 5.50 Pack of 4 wheelsets and 8 bearings 7.50

NEW W&T 00 LOCO WHEELS

These wheels have black ABS plastic centres moulded into a turned brass nickel plated tyre. They have a recessed square at the centre which is compatible with Romford driving axles. Available in the following sizes.

16mm 12 spoke 2.70 each 18mm 16 spoke 19mm 16 spoke 20mm 17 spoke 2.90 each
The manufacturer recommends the use of threaded crankpins RM7 and bushes RM11 to avoid the application of heat.

ROMFORD/MARKITS WHEELS AND COMPONENTS

We must advise that we do try hard to maintain stocks of the Romford/Markits range of products but supplies are increasingly uncertain and there will inevitably be occasions when some or all of them may not be available. This applies also to our range of gearboxes listed on page 5 which utilise gears and worms from this source.

If your order includes any of the items listed below please be aware that there will sometimes be protracted delays and you might like to indicate whether your order should be sent without any Romford/Markits items which are out of stock, in which case you might prefer to order them direct from Markits in Watford.

DRIVING WHEELS insulated with nickel silver rims to RP25 profile and blackened centres price 4.55 per wheel

LMS/L&Y/LNER/SR	40" 12 spoke plain rim	GWR 61xx/ 43xx Mogul/ 68xx/ 78xx	5'8" 18 spoke plain rim
GWR 57xx with 10" throw	47" 14 spoke plain rim	LMS Class Five	6'0" 19 spoke bevel rim
BR 9F/LMS lvatt 2MT	50" 15 spoke bevel rim	LNER B1, V2, A2, P2	6'2" 18 spoke plain rim
BR 9F flangeless centre wheel	50" 15 spoke bevel rim	BR Duke, Britannia, Clan and Class 5MT	6'2" 20 spoke bevel rim
GWR/LMS	52" 16 spoke plain rim	GWR King (also suitable for Castle/Star)	6'6" 22 spoke plain rim
LMS Fowler 2-6-4T, LNER K2/3, V1/3	5'8" 18 spoke plain rim	LNER A1, A3, A4, B12, B17	6'6" 20 spoke plain rim
BR 4MT/Stanier 2-6-4T	5'8" 18 spoke bevel rim	LMS Fowler Scot, Patriot, 2P, Compound	6'9" 21 spoke plain rim

00 Driving axle and fixing nuts 0.80 Axlenut screwdriver 4.15

00 BOGIE/TENDER WHEELS inside bearing with nickel silver tyres to RP25 profile 3.50 per set.

3'0"/9 spoke bevel LMS/BR	3'3"/10 spoke bevel LMS/BR	4'0"/12 spoke GWR tender
12mm/10 spoke	3'6"/10 spoke	4'3"/12 spoke bevel Stanier tender

COMPONENTS All items are turned brass unless shown.

RM1	Crankpins & washers x 4	1.50	RM8	12 Long handrail knobs	3.00
RM2	Crankpins & washers x 6	2.00	RM9	12 Short handrail knobs	3.00
RM4	1/8" axle bushes 4.0mm od x 12	2.25	RM10	12 Medium tapered handrail knobs	3.00
RM7	14BA threaded crankpins and slotted fixing bushes x 6	5.00	RM11	10 crankpin bushes	2.50

DETAILING PARTS FOR COLOUR LIGHT SIGNALS AND EQUIPMENT BOXES

This is not a "stand alone" product. It simply provides multiples of the components which otherwise would take much time and expertise to scratch build. The signal parts are designed to be used with working or dummy heads available from several other manuf acturers. From personal experience we can recommend those produced by Roger Murray. We have also used and recommend the infra-red detection and control products for operation of multiple aspect signals produced and supplied by Heathcote Electronics

The etch gives sufficient components for two plain post signals and two with landings, four shunt signal fronts, three stencil indicator fronts and two theatre indicator hoods. In addition, the fronts for 12 lineside equipment boxes are provided, together with full instructions and a listing of other materials required to complete.

SIG 01 5.50

COACH KITS AND SIDES We offer a wide range of coach types from the LMS, GWR, SR, LNER, Pullman and BR covering the period from the mid 1920's to the early 1970's. Sides packs for non-panelled types are pre-formed and contain full details of each prototype including roof, interior and underframe plans, end elevations and side scrap views, together with livery details and running numbers. Depending on the length of the coach, sides packs may often be used to overlay ready to run coaches, or they can be combined with our underframes, bogies, roof section, ends, interiors and detail castings packs to form a complete kit. These component packs are all available separately as detailed on pages 11 and 12. The range is therefore adaptable to the needs of those who would like to add a little variety or extra detail to their ready to run stock through to the enthusiast who wishes to run complete trains of highly detailed scale models which are accurate for the period and setting of their railway.

COMPLETE COACH KITS These are packed in a rugged box to ensure safe postal delivery and include a small etch of door handles, wire for end handrails/grab rails and fixings for the underframe and bodysell. They are offered at an incentive price which is less than the aggregate of the included parts. Please note that if you wish to buy a kit but request the omission of some components, the price charged will be for the total of the parts actually supplied.

LMS COACH KITS AND SIDES Coach sides are priced at 10.00 per pack except for M35, M68 and M70 at 13.50 including ends. Panelled sides are half etched and supplied flat. Those for steel sided stock are pre-formed. Kit prices as listed.

LMS standard coaches introduced 1924-32

M1	Sleeper First	D1705	68'	1925	45.50	12
M2	Corridor Brake First-Two window	D1654	57'	1927	43.50	
M3	Corridor Third-All door	D1695	57'	1924	43.50	
M4	Open Third-Two window	D1692/99	57'	1925	43.50	
M5	Open Third-Steel	D1745	57'	1925	43.50	
M6	Corridor/Sleeper Third	D1709	60'	1928	43.50	
M7	Corridor Composite-Two window	D1716	60'	1930	43.50	
M8	Corridor Brake Composite-All door	D1755	57'	1926	43.50	
M9	Kitchen Car-Steel	D1697	50'	1924	41.50	
M10	Full Brake-Steel	D1715	50'	1926	40.50	
M11	Full Brake	D1778	50'	1925	40.50	
M12	Third Non-gangwayed	D1700	57'	1925	41.50	
M13	Brake Third Non-gangwayed	D1703	57'	1925	41.50	
M14	Composite Non-gangwayed	D1701	57'	1925	41.50	
M15	First Non-gangwayed	D1702	57'	1925	41.50	
M16	Open First-Two window	D1742	57'	1925	43.50	
M17	Corridor Brake Third-All door	D1696	57'	1926	43.50	
M18	Open Brake Third-Steel	D1746	57'	1926	43.50	
M19	Corridor Composite-All door	D1694	57'	1924	43.50	
M20	Restaurant First	D1718/1810	68'	1930	45.50	12
M21	Open Third	D1807	57'	1931	43.50	
M22	Restaurant/Open Third	D1721/38	60'	1930	43.50	
M23	Corridor Brake Third-Steel	D1730	57'	1930	43.50	
M24	Sleeper Composite	D1781/1844	68'	1930	45.50	12
M25	Brake Third Non-gangwayed	D1735	57'	1930	41.50	
M26	Composite Non-gangwayed	D1734	57'	1930	41.50	
M27	Corridor Composite	D1791	60'	1931	43.50	
M28	Third Non-gangwayed	D1784	57'	1930	41.50	
M29	Corridor Brake First-Steel	D1845/1962	57'	1931	43.50	
M95	Corridor Brake First	D1717	57'	1929	43.50	
M96	Corridor Third	D1782	60'	1930	43.50	
M97	Lavatory Brake Third Non-gangwayed	D1685	57'	1926	41.50	
M98	Lavatory Composite Non-gangwayed	D1686	57'	1926	41.50	
M99	Restaurant Composite	D1811	68'	1932	45.50	12

LMS Stanier coaches introduced 1932-1950

M30	Corridor First	D1909/1930/1960	57'	1936	43.50	
M31	Corridor First	D2121	57'	1948	43.50	
M32	Corridor First-Porthole	D2162	57'	1950	43.50	
M33	Open First-Porthole	D2160	60'	1948	43.50	
M34	Restaurant Open First	D1902	65'	1934	43.50	
M35	Sleeper First	D1926/2166	69'	1935	45.50	12
M36	Corridor Brake First-Porthole	D2168	60'	1949	43.50	
M37	Corridor Third	D1899	57'	1933	43.50	
M38	Corridor Third	D2119	57'	1946	43.50	
M39	Corridor Third-Porthole	D2170	57'	1950	43.50	
M40	Open Third	D1904/1981	57'	1933	43.50	
M41	Open Third	D1915/15A	57'	1935	43.50	
M42	Open Third	D1999	57'	1938	43.50	
M43	Corridor Brake Third	D1905	57'	1934	43.50	
M44	Corridor Brake Third	D1968	57'	1937	43.50	
M45	Corridor Brake Third	D2123	57'	1948	43.50	
M46	Corridor Brake Third-Porthole	D2161	57'	1949	43.50	
M47	Restaurant Third	D1901/23	68'	1933	45.50	12
M48	Corridor Composite	D1925/69	60'	1935	43.50	
M49	Corridor Composite	D2117	60'	1946	43.50	
M50	Corridor Composite-Porthole	D2159	60'	1949	43.50	
M51	Open Composite	D1903	57'	1934	43.50	
M52	Corridor Brake Composite	D1720A	60'	1940	43.50	
M53	Corridor Brake Composite	D1850	60'	1932	43.50	
M54	Corridor Brake Composite	D1932/2010	62'	1935	43.50	
M55	Kitchen Car	D1912	50'	1934	41.50	
M56	Full Brake	D1854/2007	50'	1932	40.50	
M57	Third Non-gangwayed	D1906/2124	57'	1933	41.50	
M58	Brake Third Non-gangwayed	D1964	57'	1936	41.50	
M59	Full Brake-Stove R	D1796/2000	31'	1932	30.00	
M60	Corridor Brake First	D1910	57'	1934	43.50	
M61	Restaurant Composite	D1938	68'	1936	45.50	12
M62	Corridor Brake Third	D1851	57'	1933	43.50	
M63	Open Brake Third	D1913	57'	1934	43.50	
M64	Composite Non-gangwayed	D1921/21A	57'	1933	41.50	
M65*	Open Brake Third/Third-Articulated	D1965	54'3"	1937	80.00	
M66*	Open Third/Open Composite-Articulated	D1965/7	54'3"	1937	80.00	
M67	Restaurant First	D1857	68'	1933	45.50	12
M68	Sleeper Composite	D1947	69'	1936	45.50	
M69	Restaurant/Buffer	D1948	57'	1936	43.50	
M70	District Inspectors Saloon	D2046	50'	1941	45.50	

*Articulated stock M65 and M66 are sold as pairs only. Sides packs are priced at £20.00 per set. Coronation Scot 9 coach set The 1937 train liveried in blue and silver had pressure ventilation and luxury two per side seating in first class compartments. It can be modelled complete from our kits. The formation, using our codes, was M60, M30, M34, M55, M40, M40, M55, M40, M43. If all 9 kits are bought together they are priced at £330.00, a saving of £30.50

GWR COACH KITS AND SIDES Coach sides are priced at 10.00 per pack except Centenary stock and W54/55 which are 10.50 and packs W37/46 which also contain ends and are priced at 15.00. Panelled sides are half etched and supplied flat. Those for steel sided stock are pre-formed. Kit prices as listed.

GWR Collett coaches introduced from 1923-1940

W1	Corridor Third	C46	70'	1923	43.50	
W2	Restaurant Unclassed	H15	70'	1936*	45.50	12
W3	Corridor Brake Third-Right hand	D84	70'	1923	43.50	
W4	Corridor Brake Third-Left hand	D83	70'	1923	43.50	
W5	Restaurant Composite	H26-9	70'	1936*	45.50	12
W6	Corridor Third-Bow end	C54	57'	1925	43.50	
W7	Corridor Brake Third-Bow end	D95	57'	1925	43.50	
W8	Corridor Composite-Bow end	E127	57'	1925	43.50	
W9	Corridor Brake Composite-Bow end	E128	57'	1925	43.50	
W10	Full Brake (Ocean Mails)-Bow end	K38	57'	1926	40.50	
W11	Corridor Third	C67	57'	1934	43.50	
W12	Corridor Brake Composite	E148	57'	1934	43.50	
W13	Full Brake	K42	57'	1937	40.50	

GWR Collett coaches introduced from 1923-1940

W14	Corridor First-Sunshine stock	A22	60'	1938	43.50	
W15	Corridor Brake Third-Sunshine stock	D127	61'	1938	43.50	
W16	Corridor Composite-Sunshine stock	E162	60'	1941	43.50	
W17	Full Brake-Bow end	K40	60'	1930	40.50	
W18	Third Non-gangwayed	C66/75	55'3"	1934	41.50	
W19	Brake Third Non-gangwayed	D117	57'	1934	41.50	
W20	Corridor Third-Bow end	C60/62	60'	1930	43.50	
W21	Third Non-gangwayed-Bow end	C61/63	60'	1930	41.50	
W22	Composite Non-gangwayed-Bow end	E141	60'	1930	41.50	
W23	Brake Third Non-gangwayed-Bow end	D109	60'	1930	No Kit	
W24	Corridor Composite-Sunshine stock	E158	60'	1938	43.50	
W25	Corridor Third-Sunshine stock	C81	61'	1941	43.50	
W26	Restaurant Composite-Bow end	H38	60'	1947*	45.50	
W27	Restaurant Composite-Sunshine stock	H57	61'	1938	45.50	12
W28a	Restaurant First-Bow end	H39**	60'	1947*	45.50	
W28b	Restaurant Third Open-Bow end	H40**	60'	1947*	43.50	
W29a	Restaurant Composite-Flat end	H25	57'	1939*	45.50	
W29b	Restaurant Composite-Bow end	H33	57'	1939*	45.50	
W40	Corridor First-Large windowed	A20	60'	1937	43.50	
W41	Corridor Third-Large windowed	C73	61'	1937	43.50	
W42	Corridor Brake Third-Large windowed	D124	61'	1937	43.50	
W43	Corridor Composite-Large windowed	E155	60'	1937	43.50	
W44	Corridor Brake Composite-Large windowed	E152/3	61'	1936	43.50	
W45	Corridor Third-Sunshine stock	C77	61'	1938	43.50	
W46	Double ended Composite Slip	F24	61'	1938	45.50	
W47	Corridor Third	C70	61'	1936	43.50	
W48	Corridor Brake Third-Large windowed	D121	61'	1936	43.50	
W49	Corridor Composite-Sunshine stock	E151	58'7"	1938	43.50	
W50	Brake Composite B set -Bow end	E129	57'	1926	41.50	
W51	Brake Composite B set -Flat end	E147	57'	1933	41.50	
W52	Corridor Composite-Left Hand	E109/111	70'	1923/4	43.50	
W53	Corridor Composite-Right Hand	E110/112	70'	1923/4	43.50	
W54	Open First-Super saloon	G60/61	60'	1947*	45.50	
W55	Super Saloon with Kitchen	H45/6	60'	1947*	45.50	
W61	VIP Saloon	G62	61'	1940	45.50	12

*year given is date of rebuild with sliding window vents as depicted by the etch.

**H39 and H40 ran as permanently coupled pairs. Sides packs 20.00 per set. Kit prices as listed.

GWR Hawksworth coaches introduced 1948-51

W30	Corridor First	A23	64'	1949	43.50	
W31	Corridor Third	C82/84	64'	1948	43.50	
W32	Corridor Brake Third	D133	64'	1949	43.50	
W33	Corridor Brake Composite	E164	64'	1948	43.50	
W34	Full Brake	K45/46	64'	1949	40.50	
W35	Corridor Composite	E163/5	64'	1949	43.50	
W36	Sleeper First	J18	64'	1951	43.50	
W37	Auto Trailer	A38-40/43	64'	1951	45.50	

ENTENARY STOCK Separate sides packs and correct pattern bogies are offered for those who wish to improve their coaches. It is straightforward to overlay the sides for the corridor composite, corridor third and restaurant open third, if the extensive insets which are a feature of the other types suggest that these are best built from complete kits. Sides packs are priced at £10.00

GWR Collett Centenary Stock coaches introduced 1935

W70	Corridor Composite	E149	60'	1935	45.50	
W71	Corridor Third	C69	60'	1935	45.50	
W72	Corridor Brake Third-Left hand	D120	60'	1935	45.50	
W73	Corridor Brake Third-Right hand	D120	60'	1935	45.50	
W74	Corridor Brake Composite	E150	60'	1935	45.50	
W75	Restaurant First	H43	60'	1935	45.50	
W76	Restaurant Open Third	H44	60'	1935	45.50	

LNER COACH KITS AND SIDES Coach sides are priced at £10.00 per pack. Panelled sides are half etched and supplied flat. Those for steel sided stock are pre-formed. Kit prices as listed.

LNER Thompson coaches introduced 1945-1951

E1	Corridor First	D332	63'	1945	43.50	
E2	Corridor Third	D329	63'	1945	43.50	
E3	Corridor Brake Third-4 compartment	D346	63'	1948	43.50	
E4	Corridor Composite	D328	59'6"	1946	43.50	
E5	Corridor Brake Composite	D345	63'	1947	43.50	
E6	Full Brake	D344	63'	1947	40.50	
E7	Luggage Van 6 Wheel (includes ends)	D358	31'10"	1950	No Kit	
E8	Full Brake-Matchboard	D327	61'6"	1945	40.50	
E9	Third Non-gangwayed	D339	52'4"	1950	41.50	
E10	Brake Third Non-gangwayed	D340	52'4"	1950	41.50	
E11	Semi Corridor Lav Comp Non-gangwayed	D338	52'4"	1947	43.50	
E12	Brake Composite Non-gangwayed	D360	52'4"	1951	41.50	
E13	Corridor Brake Third-3 compartment	D331	63'	1949	43.50	
E14	Restaurant First	D354	63'	1949	45.50	
E15	Restaurant Pantry Third	D355	63'	1949	45.50	
E16	Corridor Third (with round cornered windows)	D329	63'	1949	43.50	

LNER Gresley coaches introduced 1925-1935

E20	Full Brake 4-Wheel (includes ends)	D120	31'10"	1928	No Kit	
E21	Full Brake-Steel	D198	61'6"	1935	40.50	
E22a*	Restaurant Open Third	D14A	55'2"	1928		
E22b*	Kitchen Car	D13	41	1928	115.00	
E22c*	Restaurant Open First	D12A	55'2"	1928		
E24	Open Third	D186	61'6"	1934	43.50	
E25	Corridor Brake Third 4 compartment	D114	61'6"	1929	43.50	
E26	Corridor Third	D155	61'6"	1932	43.50	
E27	Corridor Brake Third 3 compartment	D40A/174	61'6"	1928	43.50	
E28	Corridor Composite	D6/130	61'6"	1930	43.50	
E29	Corridor Brake Composite	D134/175	61'6"	1933	43.50	
E30	Open Brake Third	D196	61'6"	1935	43.50	
E31	Semi Corridor Lav Comp Non-gangwayed	D49	51'1"	1925	43.50	
E32	Brake Third Non-gangwayed	D64	51'1"	1926	41.50	
E33	Third Non-gangwayed	D56/7	51'1"	1925	41.50	
E34a	Full Brake Non-gangwayed	D67	51'1"	1925	40.50	
E34b	Full Brake Gangwayed	D111	52'6"	1928	40.50	
E35	Corridor Brake Third 5 compartment	D37A	61'6"	1929	43.50	

*E22a/b/c is sold as a set only. Sides packs are priced at £30.00 per set. The complete kit is priced at £115.00

Pullman Cars 1928 Metropolitan C.&W. Co. Ltd. Stock These cars were ordered for the LNER. They are offered as sides only at £10.50 per pack, and are suitable as overlays for the scale 63'10" Hornby coaches

P1 Parlour First P2 Parlour Third P3 Kitchen First P4 Parlour Brake Third P5 Kitchen Third

BR COACH KITS AND SIDES Mk1 coach sides B18/19/20/21/22 are priced at £11.00 per pack. All others are £10.00 per pack. All sides are pre-formed. Kit prices as listed.

BR Mk1 coaches introduced from 1951-1965

B1	Corridor First	D116	64'6"	1951	43.50	
B2	Open First	D73	64'6"	1953	43.50	
B3	Restaurant Unclassed	D23	64'6"	1956	45.50	
B4	Corridor Brake First	D161	64'6"	1959	43.50	
B5a	Corridor Third	D146/7	64'6"	1951	43.50	
B5b	Open Third	D93/4	64'6"	1951	43.50	
B6	Corridor Brake Third	D181/2	64'6"	1952	43.50	
B7	Open Brake Third	D183/4	64'6"	1955	43.50	
B8	Corridor Composite	D126/8	64'6"	1952	43.50	
B9	Corridor Brake Composite	D171/2	64'6"	1953	43.50	
B10	Full Brake	D711	57'	1953	40.50	
B11*	Second Non-gangwayed	D326	57'	1954	41.50	
B12*	Brake Second Non-gangwayed	D371	57'	1954	41.50	
B13	Open Second with Miniature Buffet	D96/8	64'6"	1957	43.50	
B14	Second Non-gangwayed	D327/9	64'6"	1954	41.50	
B15	Brake Second Non-gangwayed	D321	64'6"	1954	41.50	

*Sides for B11 and B12 are produced to 64'6" and require shortening for the 57' version.

BR Mk1 coaches introduced from 1951-1965

B16	Sleeper First/Composite/Third	D1/5/10	64'6"	1957	43.50
B17a*	Restaurant First Open	D36	64'6"	1951	43.50
B17b*	Kitchen Car	D700	64'6"	1951	45.50
B17c*	Restaurant Third Open	D56	64'6"	1951	43.50
B18	Restaurant First	D17/26	64'6"	1958	45.50
B19	Restaurant Buffet	D24	64'6"	1961	45.50
B20	Restaurant Kitchen Buffet	D25	64'6"	1961	45.50
B21	Kitchen Car	D701/2	64'6"	1962	45.50
B22	Bullion Van		64'6"	1965	43.50

*B17a/b/c sides packs sold as a set of three at £30.00. Kits available separately as listed.

BR Mk1 PULLMAN COACH KITS AND SIDES Coach sides are pre-formed and priced at £13.00 per pack including detail castings for underframe and roof fittings as appropriate. Kits £45.50

P10	Parlour First	P12	Kitchen First	P14	Bar Second
P11	Parlour Second	P13	Kitchen Second		

SR COACH KITS AND SIDES Coach sides are priced at £10.00 per pack and are pre-formed. Kit prices as

SR Bulleid coaches introduced 1945-1959

S1	Corridor First-Deep vents	D2552	64'6"	1949	43.50
S2a	Corridor Third-Deep vents	D2019	64'6"	1948	43.50
S2b	Open Third-Deep vents	D2017	64'6"	1948	43.50
S3	Corridor Brake Third	D2122	64'6"	1946	43.50
S4	Semi-Open Brake Third-Deep vents	D2123	64'6"	1948	43.50
S5	Corridor Composite	D2317	64'6"	1946	43.50
S6	Corridor Composite-Deep vents	D2318	64'6"	1948	43.50
S7	Corridor Brake Composite-Shallow vents	D2406	64'6"	1948	43.50
S8	Semi-Open Brake Third-Shallow vents	D2123	64'6"	1946	43.50
S9	Corridor Brake Composite-Shallow vents	D2405	64'6"	1948	43.50
S11a	Original Tavern Kitchen Car	D2663	64'6"	1949	45.50
S11b	Original Tavern Trailer Car	D2664	64'6"	1949	43.50
S12	Corridor Brake Third	D2121	59'	1945	43.50
S13	Corridor Composite	D2316	59'	1945	43.50
S14a	Rebuilt Tavern Kitchen Car	D2668	64'6"	1959	45.50
S14b	Rebuilt Tavern Trailer Car	D2665	64'6"	1950	43.50
S15	BRCW Semi-open Brake Third	D2125	64'6"	1947	43.50
S16	BRCW Semi-open Brake Third with coupe	D2124	64'6"	1948	43.50
S17	BRCW Corridor Composite	D2320	64'6"	1947	43.50

COACH COMPONENTS AND ACCESSORIES

COACH BOGIES Etched centre stretcher gives accurate location of pinpoint bearings to ensure free running. Detailed whitmetal castings for the visible cosmetic sideframes. Standard hook and bar couplings can be added. The design allows for springing if desired using extra parts in packs C57/58

BM1	LMS 6 wheel	9.50	BW2	GWR 7' plate	8.50	BE1	LNER 8'6"	8.50
BM2	LMS 9' riveted	8.50	BW3	GWR 9' plate	8.50	BB1	BR Mk1	8.50
BM3	LMS 9' welded	8.50	BW4	GWR 9' pressed steel	8.50	BB2	BR Commonwealth	8.50
BW1	GWR 6 wheel	9.50	BW5	GWR 9' Centenary	8.50	BS1	SR 8' steam	8.50

COACH ENDS Flat ends are etched in 12 or 18 thou brass. Coaches with curved ends have an etched false end with a whitmetal casting to portray the curvature and surface detail of the prototype

EM1	LMS Matchboard-2 plain ends	3.75	EW11	GWR Centenary TK and BCK	6.00
EM2	LMS Matchboard-1 plain, 1 brake	3.75	EE1	LNER Gresley gangwayed	5.25
EM3	LMS Steel-2 plain ends	3.75	EE2	LNER Gresley gangwayed brake	5.25
EM4	LMS Steel-1 plain, 1 brake	3.75	EE3	LNER Gresley non-gangwayed	3.75
EM5	LMS Driving Trailer windowed end	3.00	EE4	LNER Thompson gangwayed	5.25
EW1	GWR Bow ended gangwayed	5.00	EE5	LNER Thompson non-gangwayed	3.75
EW2	GWR Flat ended gangwayed	3.75	EE6	LNER Thompson non-gangwayed brake	3.75
EW3	GWR Hawksworth	5.25	EE7	LNER Thompson Matchboard Full Brake	3.75
EW4	GWR Bow ended non-gangwayed	5.00	EE8	LNER Gresley non-gangwayed brake	5.25
EW5	GWR Flat ended non-gangwayed	3.75	EB1	BR Mk1 gangwayed	5.25
EW7	GWR Flat ended non-g'wayed brake	3.75	EB2	BR Mk1 non-gangwayed	3.75
EW8	GWR Centenary CK and RTO	6.00	EB3	BR Mk1 Pullman	6.00
EW9	GWR Centenary BTK	6.00	ES1	SR Bulleid-steps both ends	5.00
EW10	GWR Centenary RF	6.00	ES2	SR Bulleid-steps one end	5.00

END CASTINGS Packs include buffers, jumper cables and gangways where appropriate. BR, LNER and SR gangways have etched end plates

ECM1	LMS round buffers, scissors gangway	3.75	ECW1	GWR buffers, scissors gangway	3.75
ECM2	LMS round buffers, suspended gangway	3.75	ECW2	GWR buffers, suspended gangway	3.75
ECM3	LMS oval buffers, scissors gangway	3.75	ECW3	GWR non-gangwayed	2.25
ECM4	LMS oval buffers, suspended gangway	3.75	ECB1	BR Mk1 oval buffers, BR gangway	3.75
ECM5	LMS non-gangwayed	2.25	ECB2	BR Mk1 non-gangwayed	2.25
ECE1	LNER clipped buffers, Pullman gangway	3.75	ECS1	SR oval buffers, Pullman gangway	3.75
ECE2	LNER non-gangwayed	2.25			

UNDERFRAMES Etched in 18thou brass. Includes truss rods, floor pan, solebars and V hangers. The design ensures a rigid structure to which the body is bolted.

UM1	LMS 62',65',68',69'	8.00	UW1	GWR 70'	8.00	UE1	LNER 61'6",63"	8.00
UM2	LMS 57',60'	8.00	UW2	GWR 60',61',64'	8.00	UE2	LNER 59'6" & SR 59'	8.00
UM3	LMS 50'	8.00	UW3	GWR 57',60',	8.00	UE3	LNER 51',52'4"	8.00
UM4	LMS Articulated stock	16.50	UW4	GWR 60' Centenary and Super Saloon	8.00	UE4	LNER Triplet Diner	25.00
UM5	LMS 'Stove R'	7.00				US1	SR Bulleid 64'6"	8.00
UB1	BR Mk1 64'6"	8.00						
UB2	BR Mk1 57'	8.00						

UNDERFRAME CASTINGS SETS Dynamo, vacuum cylinders, battery boxes, vacuum reserve tanks and regulator boxes, as appropriate.

UCM1	LMS	3.75	UCE1	LNER	4.00	UCS1	SR Standard	4.00
UCW1	GWR	3.75	UCB1	BR	4.00	UCS2	SR Prestall	4.00

ROOF CASTINGS

RC1	Torpedo vents x 24 toilet fillers x 2	2.50
RC2	LMS/BR shell vents x 24 toilet fillers x 2	2.50
RC3	Ridged dome vents x 24 toilet fillers x 2	2.50
RC4	Fan cowlings x 4 flue covers x 8	2.75
RC5	GWR shell vents x 24 tank fillers x 2	2.50
RC6	SR mushroom vents x 10	2.25
RC7	BR catering coach small and large fan cowlings and monsoon vents	2.75
RC8	Monsoon vents medium x 6 small x 18	2.75

ACCESSORIES

C1	V-hangers/Trusses for Dapol LMS coaches-2 sets	3.50	C31	LNER turnbuckle underframe trusses and queenposts for one Gresley 61'6" & one 51' coach	3.50
C2	V-hangers LMS pattern-4 sets	3.50	C32	Jumper cables x 8	2.50
C3	Seat ends for open coaches-plain x 16	3.25	C33	Standard coach dynamo x 4	3.00
C4	Seat ends for open coaches-winged x 16	3.25	C34	SR coach dynamo x 4	3.00
C5	Corridor partition double sliding doors x 8	3.25	C35	Vacuum cylinder & operating arm x 4	3.00
C6	'T' pattern door handles x 96	3.00	C36	LMS/BR regulator box x 4	2.50
C7	'W'Irons for 14mm wheels x 3	3.50	C37	LMS round buffers x 12	3.50
C8	Early GWR grab handles-for 2 coaches	3.50	C38	GWR round buffers x 12	3.50
C9	Corridor partition single door / ¼ lights	3.25	C39	LNER clipped buffers x 12	3.50
C10	Alloy coach roof section-285mm	3.25	C40	SR/Pullman oval buffers x 12	3.50
C11	Coach V hangers -4 sets	3.50	C41	BR retracted buffers x 12	3.50
C12	'W' irons RCH pattern-for 3 coaches	3.50	C42	BR extended buffers x 12	3.50
C13	'W' irons BR pattern-for3 coaches	3.50	C43	LMS large battery box x 3	3.50
C14	8 Shoe clasp brake shoes-for C7,12,13	3.00	C44	GWR battery boxes x 4	3.50
C15	Guards lookout duckets x 10	3.00	C45	LNER battery boxes x 4	3.50
C16	BR roof periscopes x 10	2.50	C46	SR battery boxes x 4	3.50
C17	Axlebox springs & J hangers for C7	3.75	C47	BR battery boxes x 4	3.50
C18	LMS gas cylinders for catering vehicles x 3	3.25	C48	LNER vacuum reserve tanks x 4	3.00
C19	GWR gas cylinders for catering vehicles x 3	3.25	C49	SR vacuum reserve tanks x 4	3.00
C20	Coach roof tape 25m reel	2.75	C50	BR underframe detail parts x 2 sets	2.75
C21	Gas lamp tops x 20	3.00	C51	LMS/Pullman dining table lamps x12 tnd brass	5.00
C22	Tables for open coaches x 16	3.50	C52	LMS oval buffers x 12	3.50
C23	SR roof periscopes x 10	2.50	C53	SR 2' dia early vac reservoir x 2	3.00
C24	Pullman gangway end plates-for 2 coaches	3.00	C54	SR early Prestall brake vac cylinder	2.50
C25	BR gangway endplates-for 2 coaches	3.00	C55	4 wheel coach bogie springing pack for 1 coach	3.25
C26	Coach super-detailing etch-includes hinges, gangway brackets & end door, alarm gear, solebar steps	3.75	C56	4 wheel coach bogie springing pack for 5 coaches	14.00
C27	Wagon chassis 9' or 12' w/b	3.00	C57	Threaded coach bogie rubbing plates, bolts, nuts, pair	1.75
C28	Wagon chassis 10' w/b	3.00	C60	Coach bogie springs x 10	2.25
C29	Wagon chassis 15' or 16' or 17'6" w/b	3.50			
C30	Wagon brake levers, etched, 4 pairs	3.25			