



C/- P.O. Rhyll, Victoria, 3923.
www.steameramodels.com

LOCOMOTIVE KITS

VICTORIAN RAILWAYS DIESEL ELECTRIC RAIL MOTOR (DERM)

Injection moulded kit with drive bogie included.

CAT. No.	DESCRIPTION	RRP
L1	Spoked Wheels/Plate Bogie/ Rod Cowcatcher	Suit 1952-1959 230.00
L2	Spoked Wheels/Plate Bogie	Suit 1960-1966 215.00
L3	Spoked Wheels/Cast Bogie	Suit 1967-1980 215.00
L4	Disc Wheels/Cast Bogie	Suit 1980-1990 215.00

VICTORIAN RAILWAYS RT RAIL TRACTOR

All brass kit with etched cabin, footplate and shunters footboards, investment cast brass details and "Black Bug" drive unit with flywheel.

L7	RT Rail Tractor	195.00
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VICTORIAN RAILWAYS AEC RAIL MOTOR AND TRAILER

Detailed kit with etched brass body and chassis, investment cast brass details, formed plastic roof, decals for striped front and all lettering, Mashima 1015 motor and fold-up nickel silver gearbox..

L8	AEC Rail Motor and Trailer	275.00
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INJECTION MOULDED ROLLING STOCK KITS

R1 E	GY Open Wagon Ca 1957 - 1967	17.50
R1 L	GY Open Wagon Ca 1965 - 1990	17.50
2	I Open Wagon	16.30
3	IY Open Wagon	16.30
R4 W	U Louvre Van Wheel handbrake	17.50
R4 E	U Louvre Van Lever handbrake 1957-1965	18.00
R4 L	U Louvre Van Lever handbrake 1965-1990	18.00
5	T Iced Van 15' Wheelbase (Wooden)	16.30
6	* T Iced Van 10'6" Wheelbase	16.30
7	M Cattle Wagon	17.50
8	B. Box Van	16.30
11	TP Bogie Iced Van	25.00
13	FQX/VQCX Container Wagon	25.00
14	SFX/VFLX Bulkhead Flat Wagon	25.00
15	AW First Class Passenger Car	43.00
16	BW Second Class Passenger Car	43.00
18	Z 6 Wheel Guard's Van - Plain doors	34.00
18 T	Z 6 Wheel Guard's Van - Two piece axle boxes	34.00
18 G	Z 6 Wheel Guard's Van - Planked doors	34.00
19	VHGF Wheat Hopper - V/Line	25.00
20	* AE First Class Passenger Car	57.00
21	* BE Second Class Passenger Car	57.00
22	U/HD Wooden Louvre Van	16.30
23	P Explosives Wagon	16.30
24	I/IA Open Wagon "Tommy Bent"	16.30
25	VHGF Wheat Hopper - Freight Australia	25.00
26	L Sheep Wagon. Composite injection moulded polystyrene and etched brass kit	28.50
27 B	QR Bogie Open Wagon with Bar Frame Bogies	29.00
27 C	QR Bogie Open Wagon with 40 Ton Cast Steel Bogies	29.00
27 P	QR Bogie Open Wagon with Plate Frame Bogies	29.00
NOTE: Kits marked * require some kitbashing skills.		
R28	Riveted IZ Open Wagon, dual combination kit contains two complete wagons.	34.00
R29 W	Welded IZ/RV Wagon Open Wagon with wheel handbrake	17.50
R29 E	Welded IZ Open Wagon Lever operated brake Ca 1957-1965	17.50
R29 L	Welded RV Open Wagon Lever operated brake Ca 1965-1990	17.50

PRICE LIST

PRICE LIST - EFFECTIVE September 2014.

All prices ex Phillip Island & subject to change without notice.

All prices include GST.

ETCHED BRASS ROLLING STOCK KITS

RE1	WT 2000 Gallon Water Tank Wagon	39.50
RE2S	QB Bogie Well Wagon with Swing Motion Diamond Frame Bogies.	75.00
RE2R	QB Bogie Well Wagon with XSC Black Spring Roller Bearing Bogies	75.00
RE3A	FP7 & 10 Bogie Horse Box LP Gas Lighting	135.00
RE3B	FP12 & 13 Bogie Horse Box LP Gas Lighting	135.00
RE3C	FP7 & 10 Bogie Horse Box Pintsch Gas Lighting	135.00
RE3D	FP12 & 13 Bogie Horse Box, Pintsch Gas Lighting	135.00

BLACK BEETLE DRIVE BOGIES HO/OO, EM, P4, On3, S and O GAUGE

- Powered by Mashima 1220 or 1224 flat can motor. Wheelbases from 25.5mm to 40mm in steps of 0.25mm.
- Wheelbases from 25.5mm to 29.5mm use the Mashima 1220 motor. Speed at 12V is approximately 3 scale miles per hour per scale inch of wheel diameter with 15:1 gearing.
- Wheelbases from 29.75 to 40mm use the Mashima 1224 motor. Speed at 12V is approximately 2 scale miles per hour per scale inch of wheel diameter with 15:1 gearing.
- Gear ratio of 27:1 is also available where slower speeds are required. Minimum wheelbase is also reduced with 27:1 gearing down to 23.75mm.
- Height of centre pivot above rail is 12.4mm plus half the wheel diameter. eg. with 10.5mm wheels the centre pivot is approximately 17.6mm above the rail level.
- All have flush axles as standard. HO gauge uses 20mm long axles, EM and P4 use 21.8mm and On3 uses 22.6mm.
- A bracket is included to which side frames may be fixed. (NOTE: side frames are not included)
- Wheel options:
 - 9.6mm disc
 - 10.5mm disc and 10 spoke
 - 11.08mm 9 spoke
 - 11.6mm disc
 - 12.0mm disc
 - 12.25mm Disc and 12 spoke
 - 14.0mm disc

All sizes are available in RP25 - 110 and RP25 - 88 profile. Disc wheels in 10.5mm, 12mm and 14mm diameter are also available in P4.

Price for custom assembled Black Beetle with 15:1 gearing 90.00

Price for custom assembled Black Beetle with 27:1 gearing 115.00

When ordering please specify wheelbase, wheel diameter, disc or spoked, wheel profile, track gauge and gear ratio.

Price for custom assembled Dummy Beetle 25.00

Includes pick - ups, but no motor or gears.

BLACK BUG DRIVE UNIT

The Black Bug is a compact single axle drive unit using the same gearbox as the Black Beetle and a Mashima 1220 motor. Gearing may be either the standard 15:1, as fitted to the Black Beetle, or a second set of spur gears can be provided to increase the overall gear reduction to 27:1. Wheel choices are the same as the Black Beetle, or the Black Bug can be provided without wheels. Axles are 2.00mm in diameter and a 25mm long pinpoint axle is fitted as standard. Electrical pickups are not included.

Custom assembled Black Bug with standard 15:1 gearing. \$63.00

When ordering please specify wheel diameter, disc or spoked, wheel profile and track gauge.

Custom assembled Black Bug with 27:1 gearing. \$72.00

KIT COMPONENTS

C 1	Brake Components (4) Suits most bogie vehicles.	13.00
C 2	6 Wheel Underframe	13.50
3	15'0" Wheelbase 4 Wheel Underframe	9.80
4	10'6" Wheelbase 4 Wheel Underframe	9.80
5	Pass. Car vestibule connections (2)	3.50
6	W Car Roof / Floor	7.50
7	W Car Underbody Details	7.50
8	E Car Queenposts (brass) (4)	7.50
9	AW Sides/Clerestory sides (2)	9.50
10	BW Sides/Clerestory sides (2)	9.50
11	AW Interior (diecut cardboard)	3.50
12	BW Interior (diecut cardboard)	3.50
14	Circular torpedo vents (12)	3.50
15	W Car Queenposts (brass) (8)	7.50
17	I Wagon underframe	9.80
18	GY Wagon underframe	9.80
19	Bogie brake shoes (for 10 bogies)	7.50

ETCHED BRASS DETAIL KITS

E 2	Shunter's Steps and Handbrake ('old' GY) for 5 wagons	16.30
E 3	Shunter's Steps and Handbrake (I) for 5 wagons	11.00
E 4	Shunter's Steps and Handbrake (M) for 5 wagons	11.00
E 5	Shunter's Steps and Handbrake (U, UB & T) for 6 wagons	12.35
E 6	Shunter's Steps for 16 wagons	11.75
E 7	Handbrake for 5 passenger cars	11.75

BOGIES

B 1D	40 Ton Cast Steel Square Lid, Disc Wheels	15.00
1S	40 Ton Cast Steel Square Lid, Spoked Wheels	15.00
2D	40 Ton Cast Steel Round Lid, Disc Wheels	15.00
2S	40 Ton Cast Steel Round Lid, Spoked Wheels	15.00
3D	VR Bar Frame Bogies, Disc Wheels	15.00
3S	VR Bar Frame Bogies, Spoked Wheels	15.00
4	V.R. Rivetted Plate Frame	15.00
5	W Car	15.00
6	TT30	15.00
7	V/Line XSC Silver Spring Bogies	15.00
8D	V/Line XSC Black Spring Bogies, Disc Wheels	15.00
8S	V/Line XSC Black Spring Bogies, Spoked Wheels	15.00
9	SAR/AN XC With Rotating Bearing Caps	16.00
10	E Car (6 Wheel)	23.50
11	Swing Motion Diamond Frame	15.00
12	J Class Tender	15.00

NARROW GAUGE WHEELSETS All are RP25-88, HOn3:18.5mm axles,
HOn3 1/2:19.5mm axles

WN 1	9.0mm (31") 8 Spoke	HOn3 1/2	12.00
2	9.0mm (31") 8 Spoke	HOn3	12.00
3	9.6mm (33") Disc	HOn3 1/2	12.00
4	9.6mm (33") Disc	HOn3	12.00
7	9.6mm (33") 8 Spoke	HOn3 1/2	12.00
8	9.6mm (33") 8 Spoke	HOn3	12.00
9	7.6mm (26") 8 Spoke	HOn3 1/2	12.00
10	7.6mm (26") 8 Spoke	HOn3	12.00

PAINTS

P 1	Etch Primer Black	7.50
2	Etch Primer Grey	7.50
3	V.R. Diesel Blue Enamel	7.50
4	V.R. Diesel Yellow Enamel	7.50
5	V/Line Grey Enamel	7.50
6	V/Line Orange Enamel	7.50
7	Wagon Red Enamel	7.50
8	Wagon Yellow Enamel	7.50
9	Pass' Car Red Enamel	7.50

WHEELSETS (All Packets contain 4 Wheelsets.)**STANDARD RP25-110 Profile**

W 1	9.6mm (33")	Disc	23.8mm axle	11.00
2	9.6mm (33")	Disc	25.0mm axle	11.00
3	9.6mm (33")	Disc	26.0mm axle	11.00
4	10.5mm (36")	Disc	23.8mm axle	11.50
5	10.5mm (36")	Disc	25.0mm axle	11.50
6	10.5mm (36")	Disc	26.0mm axle	11.50
7	10.5mm (36")	10 Spoke	23.8mm axle	11.50
8	10.5mm (36")	10 Spoke	25.0mm axle	11.50
9	10.5mm (36")	10 Spoke	26.0mm axle	11.50
10	11.08mm (38")	9 Spoke	23.8mm axle	11.50
11	11.08mm (38")	9 Spoke	25.0mm axle	11.50
12	11.08mm (38")	9 Spoke	26.0mm axle	11.50
13	9.6mm (33")	8 Spoke	23.8mm axle	11.00
14	9.6mm (33")	8 Spoke	25.0mm axle	11.00
15	9.6mm (33")	8 Spoke	26.0mm axle	11.00

FINER RP25-88 Profile

WF 1	9.6mm (33")	Disc	23.8mm axle	12.00
2	9.6mm (33")	Disc	25.0mm axle	12.00
3	9.6mm (33")	Disc	26.0mm axle	12.00
4	10.5mm (36")	Disc	23.8mm axle	12.00
5	10.5mm (36")	Disc	25.0mm axle	12.00
6	10.5mm (36")	Disc	26.0mm axle	12.00
7	10.5mm (36")	10 Spoke	23.8mm axle	12.00
8	10.5mm (36")	10 Spoke	25.0mm axle	12.00
9	10.5mm (36")	10 Spoke	26.0mm axle	12.00
10	11.08mm (38")	9 Spoke	23.8mm axle	12.00
11	11.08mm (38")	9 Spoke	25.0mm axle	12.00
12	11.08mm (38")	9 Spoke	26.0mm axle	12.00
13	9.6mm (33")	8 Spoke	23.8mm axle	12.00
14	9.6mm (33")	8 Spoke	25.0mm axle	12.00
15	9.6mm (33")	8 Spoke	26.0mm axle	12.00

MISCELLANEOUS

M 2	# 2 x 3/16 Pan Head Screws	4.50
3	# 2 x 1/4 Pan Head Screws	4.50
4	Delrin Pinpoint Bearings (60)	5.95

NOTES ON AXLE LENGTHS

23.8mm axles are commonly used on HO scale models where it is desired to keep width over axleboxes to a minimum eg. finescale standard gauge models.

25.0mm axles are used in S.E.M. 4 wheel wagon kits, bogies B1-B8 and B11 and bogies by AR kit Co. This length also suits LIMA and Powerline and many Chinese made models.

26.0mm axles are used in most U.S. and British models such as Atheam, Roundhouse, Hornby and Bachman Branchlines.

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