

RAILKING[®]

By M.T.H. Electric Trains

30-1177-1

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2-8-4 Berkshire Steam Engine

Text Only



GL092001



2-8-4 Berkshire Steam Engine

Engine Parts

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
1.) Shell(black,yellow) (boiler)(Virginian)(#505)	FB-1200266	*150.00	26.) Screw(M3x6.0mm)(roundhead) (formountingmotortomotormount)	IA-0000016	0.15
Shell(black,yellow) (boiler)(L.&N.)(#1967)	FB-1200267	*150.00	27.) Setscrew(M3x10.0mm) (noscrewhead)(formountingflywheeltomotor)	IA-0000151	0.15
2.) Handrail(nickel) (right)(cab)(46.0mmlong)	FB-1210016	2.00	28.) Screw (4/40x6.0mm)(roundhead) (formountingPCboardtodriveblock)	IA-0000003	0.15
3.) Handrail(nickel) (left)(cab)(46.0mmlong)	FB-1220016	2.00	29.) Driveshaft(black) (plastic)(15.6mmlong)(dogbone) (fitsbetweenflywheelandwormgear)	EH-1200002	2.00
4.) Handrail(nickel) (right)(boiler)(222.0mmlong)	FB-1210017	3.00	30.) Wormgear(50.6mmlong)	EH-1200005	6.00
5.) Handrail(nickel) (left)(boiler)(222.0mmlong)	FB-1220017	3.00	31.) Bearing (brass)(2.9x5.3x4.6mm) (fitsonwormgearshaft)	DC-0000006	3.00
6.) Stanchion (black)(plastic) (3.0mmlong)(formountingboilerhandrails)	FB-1200242	0.50	32.) Gearboxcover(black) (19.4x34.4x1.0mm)(metal)	BI-0000050	2.00
7.) Whistle(nickel)	FB-1200003	4.00	33.) Gasket(black)(fiber) (forgearboxcover)(19.3x33.9x1.5mm)	BI-0000051	1.00
8.) Bell(nickel) (hasholetappedintopofbell)	FB-1200268	4.00	34.) Screw (4/40x8.0mm)(roundhead) (formountinggearboxcover)	IA-0000011	0.15
9.) Bellbracket(black) (formountinghangingbell)	FB-1200269	3.00	35.) Bracket(black)(wiresupport) (stampedmetal)(runwiresovertopofmotor)	IH-0000275	4.00
10.) Screw(M2x4.0mm)(roundhead) (formountingbellbracket)	IA-0000058	0.15	36.) Wirenut(yellow)	BI-4500003	0.25
11.) Lens(clear) (headlight)(3.9x6.0x13.0mm) (1.6x6.8mmlenshead)(4ribsforpressfit)	FA-1230001	3.00	37.) Smokeunit(Proto-Sound®2.0)AA-0000044 (6.9x8.0x2.2x3.7mmbrasscup)(26.0mmlongposts)	AA-0000044	50.00
12.) Lens(green)(marker)	FA-1230002	3.00	38.) Screw (4/40x6.0mm)(roundhead) (formountingsmokeunittodriveblock)	IA-0000003	0.15
13.) Lens(redw/flames) (fireboxglow)	FA-0000077	2.00	39.) Bracket(nickel)(w/socket) (metal)(31.0x24.0x17.9x26.0mm) (formountingheadlight/markerlightbulbsocket)	IH-0000276	5.00
14.) Screw (6/32x8.0mm)(roundhead) (formountingshelltodriveblock)	IA-0000050	0.15	40.) Bulb(clear)(6v)(smallglobe) (screwbase)(forheadlight/markerlight)	CA-0000038	1.00
15.) Bracket(black)(metal) (11.4x25.0mm)(formountingfireboxglowbulb)	IH-0000274	3.00	41.) Wireharness (115.0mmlongwiresw/redmale2pinplug) (forpoweringtheboardonsmokeunit)	BC-1200126	2.00
16.) Grommet(black) (4.5x5.0mm)(rubber)(forfireboxglowbulb)	IH-0000010	0.50	42.) Wireharness (115.0mmlongwiresw/bluemale2pinplug) (forpoweringsmokeunitfanmotor)	BC-1200127	2.00
17.) Bulb(clear)(1)(6v) (50.0mmlongwiresw/yellowmale2pinplug) (fireboxglowlightbulb)	CG-0000042	2.00	43.) Wireharness (95.0mmlongwiresw/yellowmale2pinplug) (forpoweringheadlightbulbsocket)	BC-1200128	2.00
18.) Screw (4/40x4.0mm)(roundhead) (formountingbracketforfireboxglowbulb)	IA-0000021	0.15	44.) Truck(black) (trailing)(2axle)(engine)	DA-1240016	20.00
19.) PCboard(10pinfemaleplug) (20.5x24.2mm)(w/2-1N4004diodes) (forpluggingintenderwireharness)	AG-0000044	8.00	45.) Axlebushing(black) (plastic)(singlebushing)(15.0mmlong) (forrear2axleenginetruck)	DC-1200002	2.00
20.) Wireharness (PCboardw/10pinfemaleplugw/2diodes) (105.0mmlongyellow&whitewires) (220.0mmlongblackwirew/eyelet) (150.0mmlongwiresw/bluefemale2pinplug) (150.0mmlongwiresw/blackfemale2pinplug) (170.0mmlongwiresw/yellowfemale2pinplug) (25.0mmlongwiresw/yellowfemale2pinplug) (135.0mmlongwiresw/tachboard&1.5mmspacer) (200.0mmlongredwires)	BC-1200125	15.00	46.) Groundstrap(copper) (mountsonrear2axleenginetruck)	II-4500002	1.00
21.) Tachboard (w/1.5mmspacerbetweenboard&opticalsensor)	AG-0000047	6.00	47.) Screw (4/40x4.0mm)(roundhead) (formountinggroundstraptotruck)	IA-0000021	0.15
22.) Bracket(black)(plastic) (fortachboardmounting)(fitsonpart#BI-0000052)	IH-0000192	3.00	48.) Pin(black) (4.8x26.0mm)(0.8x8.0mmflathead) (1e-clipgroove0.8mmoutfromendand115.0mm) (formountingrear2axletrucktodriveblock)	IG-0000044	1.00
23.) Motormount(black) (formotorRS-545RH)(stampedmetal)	BI-0000052	6.00	49.) Washer(5.5x10.0x0.5mm) (smallwasherformountingrear2axletruck)	ID-0000075	0.15
24.) Motor (RS-545RH)(nowormgear)	BE-0000087	25.00	50.) E-clip(3.5x9.0x0.6mm) (formountingrear2axletruck)	IF-0000009	0.15
25.) Flywheel (whitew/blackstripes) (10.0x30.0mm)(w/socketfordriveshaft)	BE-0000086	5.00			

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2-8-4 Berkshire Steam Engine

Engine Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
51.) Drawbar(black) (10.6x113.0mm)(7.0mm&10.0mmsteps)	FB-1200068	4.00	77.) Driveblock(black)(4axle)	DF-1200041	*100.00
52.) Spring(nickel) (7.5x13.0x11.0mm)(formountingrear2axletruck)	IE-0000013	0.50	78.) Driverodguide(nickel) (right)(33.0mmlong)(mountsonsteamchest)	EA-1210010	3.00
53.) Washer(5.0x15.0x0.5mm) (largerwasherformountingrear2axletruck)	ID-0000013	0.15	79.) Driverodguide(nickel) (left)(33.0mmlong)(mountsonsteamchest)	EA-1220010	3.00
54.) Screw (6/32x6.0mm)(washerhead) (formountingfrontofrear2axletrucktodriveblock)	IA-0000214	0.15	80.) Screw(nickel) (6/32x6.0mm)(roundhead) (formountingdriverodguides)	IA-0000051	0.15
55.) Truck(black)(lead)(1axle)	DA-1230008	15.00	81.) Motionhanger(black) (stamped metal)(formountingeccentricrod&assembly)	EA-1250003	3.00
56.) Axle bushing(black) (plastic)(singlebushing)(13.7mmlong) (sameaspart#DC-1200002butiscutdown) (forfrontsingleaxleenginetruck)	DC-1200003	2.00	82.) Screw (4/40x6.0mm)(roundhead) (formountingmotionhangers)	IA-0000003	0.15
57.) Bracket(black)(metal) (7.6x43.2mm)(1.0mmthick) (formountingleadsingleaxletrucktodriveblock)	IH-1230003	1.00	83.) Siderod(nickel) (106.0mmlong)(4mounting holes)(fitsbothsides)	EC-1250009	4.00
58.) Pin(black) (4.8x18.0mm)(1.5x7.0mmflathead) (1e-clipgroove0.7mmoutfromend) (formountingfronttrucktodriveblock)	IG-0000045	1.00	84.) Bolt(nickel) (M3x9.4mm)(4.0x2.5mmshank) (5.0mmhexhead)(formountingsiderods)	IA-0000054	1.00
59.) Spring(nickel) (7.0x12.0mm)(w/0.5mmthickwire) (formountingfrontsingleaxletruck)	IE-0000060	0.50	85.) Driverod(nickel) (right)(96.7mmlong)(w/crosshead)	EC-1210012	5.00
60.) E-clip(3.5x9.0x0.6mm) (formountingfrontsingleaxletruck)	IF-0000009	0.15	86.) Driverod(nickel) (left)(96.7mmlong)(w/crosshead)	EC-1220012	5.00
61.) Spacer(black) (3.5x15.0x2.5mm)(metal)(cupped) (formountingtherearofthefrontsingleaxle truck)	ID-0000014	1.00	87.) Screw(nickel) (M3x16.0mm)(flathead) (formountingeccentricassembly&driverod)	IA-0000052	0.15
62.) Screw (4/40x4.0mm)(washerhead) (formountingthefrontofthefrontsingleaxletruck)	IA-0000217	0.15	88.) Sleeve(nickel) (outer)(6.8x10.0x4.4mm) (mountsbetweendriverod&siderod)	ID-0000059	1.00
63.) Screw (6/32x6.0mm)(washerhead) (formountingtherearofthefrontsingleaxletruck)	IA-0000214	0.15	89.) Sleeve(nickel) (inner)(5.3x6.5x7.8mm) (mountsbetweendriverod&side rod)	ID-0000058	1.00
64.) Pilot/steamchest(black)	DG-1230008	30.00	90.) Eccentricassembly(nickel) (right)(46.3mmlongrod)	ED-1210012	5.00
65.) Bracket(black)(metal) (11.6x60.4x0.12mm)(mountsundersteamchest)	IH-0000277	2.00	91.) Eccentricassembly(nickel) (left)(46.3mmlongrod)	ED-1220012	5.00
66.) Screw (4/40x6.0mm)(roundhead) (formountingbrackettosteamchest)	IA-0000003	0.15	92.) Eccentricrod(nickel) (right)(51.5mmlong)(5.0mmstep)	ED-1210011	2.00
67.) Screw (6/32x8.0mm)(roundhead) (formountingpilot/steamchesttodriveblock)	IA-0000050	0.15	93.) Eccentricrod(nickel) (left)(51.5mmlong)(5.0mmstep)	ED-1220011	2.00
68.) Screw (6/32x4.0mm)(roundhead) (greasescrewonbottomofdriveblock)	IA-0000060	0.15	94.) Screw(nickel) (M2x4.0mm)(roundhead)(w/2.0x2.5mmshank)	IA-0000104	0.15
69.) Washer(black)(fiber) (3.0x6.0x0.4mm)(forgreasescrew)	ID-0000040	0.15			
70.) Tractiontire(black)(rubber)	DE-0000025	0.75			
71.) Pick-up (8.0x11.0mmroller)(28.0mmlong)	BD-0000048	5.00			
72.) Insulator(black) (top)(square)(pick-up)(formountingpick-up)	BD-0000026	2.00			
73.) Screw (4/40x6.0mm)(roundhead) (formountingtoppick-upinsulator)	IA-0000003	0.15			
74.) Screw(nickel)(M3x6.0mm) (roundhead)(formountingpick-uptoinsulators)	IA-0000015	0.15			
75.) Nut(nickel)(2.5x5.0x10.0mm)IC-0000005 (forpick-up,mountsbetweeninsulators)	IC-0000005	0.50			
76.) Insulator(black) (pick-up)(bottom)(plastic)(formountingpick-up)	BD-0000001	2.00			

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2-8-4 Berkshire Steam Engine

Tender Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Bracket(battery) (battery)(horizontalsidemount)(plastic)	IH-0000116	3.00	27.) T-bar (black)(plastic)	IG-0000001	0.50
2.) Batteryleads (100.0mmlongwires) (w/smallblackmale2pinblackmaleplug)	BC-0000092	3.00	28.) Spring(nickel) (6.5x14.0mm)(0.5mmthickwire)	IE-0000022	0.50
3.) Screw (M3x4.0mm)(roundhead)(formounting batterybracket)	IA-0000010	0.15	29.) Washer(4.5x10.0x6.0mm)	ID-0000009	0.15
4.) Shell(blackw/yellowletters) (tender)(Virginian)(#505) Shell(blackw/yellowletters) (tender)(L.&N.)(#1967)	GA-1200108	*85.00	30.) E-clip(3.0x8.0x0.5mm)	IF-0000001	0.15
5.) Chassis (black)(tender) (forProto-Sound®2.0)	GB-1200053	*15.00	31.) Axlebushing(black) (plastic)(tendertruck)(3axle)	DC-1200001	3.00
6.) Handrail(nickel)(tender)(top)	GA-1200017	2.00	32.) Switch(small) (forsmokeuniton/off)	BB-0000009	5.00
7.) Stanchion (black) (plastic)(3.0mmlong)	FB-1200242	0.50	33.) Screw(M2x4.0mm)(roundhead) (formountingsmokeunitswitch)	IA-0000058	0.15
8.) Lens(red)(markerlight) (2.2x14.3mm)(1.2x2.7mmlenshead)(tender)	FA-0000103	2.00	34.) Volumepot(small) (bluew/greenboard)	BI-0000040	5.00
9.) Lens(clear)(reverselight) (3.2x6.0mm)(0.7x3.8mmlenshead) (4ribsforpressfit)(tender)	FA-0000104	2.00	35.) Spacer(black) (3.0x6.0x4.3mm)(plastic)(forvolumepot)	ID-0000071	0.15
10.) Bracket(black)(metal) (formountingbulbforreverselight)(tender)	IH-0000272	3.00	36.) Screw (M3x8.0mm)(roundhead)(self-drilling) (formountingvolumepot)	IA-0000072	0.15
11.) Screw (4/40x6.0mm)(roundhead) (formountingbracketforreverselight)	IA-0000003	0.15	37.) Voltageregulator(LM2937ET)	AG-0000032	3.00
12.) Bulb(clear) (6v)(135.0mmlongwiresw/bluemale2pinplug) (grainofwheat)(reverselight)(1bulb)	CF-0000022	2.00	38.) Insulator(clear)(singlehole) (13.0x19.0x0.1mm)(forvoltageregulator)	ID-0000024	0.15
13.) Wirestrap(white)(metal) (stickstotopofspeakercone)	IH-0000103	1.00	39.) Insulator(white)(washer) (3.0x6.0x3.0mm)(plastic)(forvoltageregulator)	ID-0000025	0.15
14.) Speaker (STAR)(PR-050-A111)(16ohms)(MAX2W)(121E)	BF-0000007	8.95	40.) Screw (4/40x6.0mm)(roundhead) (formountingvoltageregulator)	IA-0000003	0.15
15.) Gasket(black) (43.8x49.8x3.0mm)(foam)(attachestospeaker)	IB-0000009	0.50	41.) Boards(Proto-Sound®2.0)	AE-0000001	*200.00
16.) Speakercone(black) (44.7x48.3x25.4mm)(plastic)(2screwwholetabs)	BF-0000026	3.00	42.) Bracket(Aluminum) (15.0x56.0mm)(9.3mmstep) (formountingProto-Sound®2.0boards)	IH-0000273	3.00
17.) Screw(M3x8.0mm)(roundhead) (formountingspeakercone)	IA-0000035	0.15	43.) Screw (6/32x14.0mm)(roundhead) (formountingProto-Sound®2.0boardstobacket)	IA-0000194	0.15
18.) Screw (4/40x6.0mm)(roundhead) (formountinggroundwiretoeartendertruck)	IA-0000003	0.15	44.) Screw (M3x6.0mm)(roundhead) (formountingPS2®boardsbrackettochassis)	IA-0000016	0.15
19.) Screw (6/32x6.0mm)(washerhead) (formountingtruckstochassis)	IA-0000214	0.15	45.) Screw (6/32x8.0mm)(roundhead) (formountingchassistotendershell)	IA-0000050	0.15
20.) Screw (4/40x6.0mm)(washerhead) (formountingdrawbartofronttruck)	IA-0000028	0.15	46.) Battery	BG-4000001	10.00
21.) Drawbar(black) (metal)(12.0x67.0mm)(8.0mmstep) (2mountingholes)(2couplingholes)	GA-1200110	3.00	47.) Wireharness (black male10pinplug)(tendertoenginewireharness)	BC-1200124	18.00
22.) Truck(black) (3axle)(tender)(lead/trailing)	DA-1200017	30.00			
23.) Groundstrap(copper) (4.9x19.5x10.5)(U-shaped)(2mountingtabs)	II-0000016	2.00			
24.) Screw (4/40x4.0mm)(roundhead) (formountingcoppergroundstrap)	IA-0000021	0.15			
25.) Proto-Coupler® (Proto-Sound®2.0)(51.5mmlong)	DD-0000032	10.00			
26.) Wireharness(black) (95.0mmlongwiresw/blackmale2pinplug) (w/blackwiresshield)(forProto-Coupler®)	BC-1200123	2.00			

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