

New Part Number	Jim K. Part Number	Description	Quantity Required
Section 1-Frame			
	1A1	Side Frame, Right (Note 1)	1
	1A2	Side Frame, Left (Note 1)	1
	1B1	Frame Spreader	3
	1B2	Pilot Truck Pivot	1
	1B3	Brake Cylinder Support	2
	1C1	Pilot Beam	1
	1C2A	Pilot Support	2
	1C2B	Pilot Support	2
	1C3	Front Coupler Pocket	1
	1C4	Pilot Beam Support Angle	2
	1D	Frame Spreader, Front	1
	1E1	Frame Spreader, Cylinder Block	1
	1E2	Equalizer Fulcrum, Pilot Truck	1
	1F	Crosstie, Valve Gear Hanger	1
	1G	Crosstie, Reverse Shaft	1
	1H	Cradle	1
	1I1	Right Side Rear Driver Brake Hanger Support	1
	1I2	Left Side Cold Water Pump Support Bracket	1
	1I3	Main Driver Brake Hanger Support	2
	1K	Cab Support	2
	1M2	Reversible Washer, Coupler Pocket	6
Section 2-Cylinders			
	2A	Cylinder Block (one piece)	1
	2E1	Valve Crosshead Guide	2
	2E2	Valve Crosshead Guide Lower Shoe	4
	2G	Exhaust Stand	1
Section 3-Drivers			
	3A	Driving Wheel, Front	2
	3B	Driving Wheel, Intermediate	2
	3C	Driving Wheel, Main	2
	3D	Driving Wheel, Rear	2
Section 5-Rods			
	5H1	Crosshead, Main	2
Section 6-Driver Axle Boxes			

6A1	Axle Boxes, Front	1
6A2	Axle Boxes; Inter., Main, Rear	3

Section 7-Pilot Truck

7A	Frame (one piece)	1
7C2	Axle Box	2
7C3	Cover, Axle Box	2
7C5	Spring Pad	2
7D1	Bolster (center plate)	1

Section 8-Trailing Truck

8A	Frame (one piece)	1
8E1	Axle box, front	2
8E2	Axle box, rear	2
8E3	Hinge, Journal Box	4
8E4	Cover, side, rear, axle box	2
8G1	Pedestal binder, front	2
8G2	Pedestal binder, rear	2

Section 9-Valve Gear (Baker)

9A1	Hanger frame	2
9A2	Bell crank	2
9A3	Radius bar	4
9A4	Connecting rod	2
9A5	Reverse yoke	4
9CA	Reverse arm (right)	1
9CB	Reverse arm (left)	1
9A1A	Patent plate	2

Section 10-Spring Rigging

10A	Pilot truck equalizer	1
10B	Pilot truck equalizer hanger	1
10C	Front transverse equalizer	1
First Driver		
10D	Front sword hanger	2
10F1	Rear sword hanger	2
10F2	Rear hanger	4
10G	Equalizer, 1st & 2nd drivers	2
Second Driver		
10H1	Front sword hanger (same as 10F1)	2
10H2	Front hanger	4
10J1	Rear sword hanger (same as 10F1)	2
10J2	Rear hanger	4
Third Driver		
10K1	Front sword hanger	2

10K3	Front hanger (same as 10J2)	4
10L1	Upper coil spring housing	2
10L2	Lower coil spring housing	2
10M1	Rear sword hanger	2
10M2	Rear hanger (same as 10H2)	4
10N	Equalizer, 3rd & 4th drivers	2
Fourth Driver		
10O1	Front sword hanger	2
10O2	Front hanger (same as 10H2)	4
10P1	Upper coil spring housing	2
10P2	Lower coil spring housing (same as 10L2)	2
10Q1	Rear sword hanger	2
10Q3	Rear hanger to trailing truck (R & L)	1 ea.
10R	Equalizer, front, trailing truck (R & L)	1 ea.
10S	Hanger, front, front trailing truck wheel	2
10U	Sword hanger, rear, front trailing truck wheel	2
10V	Equalizer, side, trailing truck	2
10W	Sword hanger, front, rear trailing truck wheel	2
10Y	Sword hanger, rear, rear trailing truck wheel	2
10AA	Clip, driver springs	16
10CC	Clip, trailing truck springs	8

Section 11-Brake Rigging

11A1	Cylinder	2
11A2	Cylinder head	2
11B	Actuating lever	2
11C	Set-Brake Hangers	8 pieces

Section 13-Smokebox

13A1	Smokebox door	1
13A1A	Door hinges	1 set
13A2	Smokebox front outer ring	1
13A3	Door dogs	20
13C1	Stack	1
13C2	Stack petticoat pipe	1
13D2	Superheater inspection cover clamp	44
13F2	Headlight shelf	1
13I	Oakadee hinges	1 set
13J	Step, front	2
13P-1.3	Stanchion,handrail,1-5/16" long w/cap	4
13P-.6	Stanchion,handrail,5/8" long w/cap	2

Section 15-Boiler Mounted Parts

15B1	Sandbox	1
15I1	Stanchion,handrail,1-1/4" long w/cap(1R,1L)	2

1512	Stanchion,handrail,1-5/16" long w/cap(1R,1L)	2
1513	Stanchion,handrail,1-1/8" long w/cap(1R,2L)	3
1514	Stanchion,handrail,1-1/16" long w/cap(2R,2L)	4

Section 16-Chassis Mounted parts

16A2	Support, Coupler Lifting Rod	2
------	------------------------------	---

Section 20-Tender Frame

20A	Tender Frame	1
20J1	Support, Coupler Lifting Rod	2

Section 22-Tender Trucks

22A1	Side Frame Live End, Right	2
22A2	Side Frame Live End, Left	2
22B1	Side Frame Dead End, Left	2
22B2	Side Frame Dead End, Right	2
22C1	Equalizer	4
22D	Journal Box	8
22E	Transverse Bolster	4
22F	Center Bolster	2
2211	Spring Pad	8
2213	Coil Spring	40
22J1	Brake Shoe	24
22J2	Brake Head	24
22M	Hinge, Journal Box	12

MACHINED PARTS

4A	Crankpins, 4 Sizes (See Note 2), 8 Piece Set for 7-1/2 gauge only
7B	Pilot Truck Wheel (See Note 3), each
7D2 and 7D3	Pilot Truck Centering Device-Roller & Pads (6 pieces)
7D4 and 7D4	Pilot Truck Bolster Pin (Upper & Lower)
8B	Front Trailing Truck Wheel (See Note 3), each
8C	Rear Trailing Truck Wheel (See Note 3), each
8F4	Trailing Truck Pivot Cup & Ball (4 pieces)
9F	Pin & Bushing Set for Baker Valve Gear - per gear
10Q2	Rear Transverse Equalizer
	Equalizer Arm Support (4 Pieces)
	Brake Shaft Support (4 Pieces)
	Brake Shaft (2 Pieces)

MISCELLANEOUS PARTS

	Driver Coil Spring Set Per Drawing 10C (32 Springs)
	Lateral Motion Springs for 1st Driver (4 Springs)
	Pilot Truck Coil Springs (4 Springs)
	Brake Cylinder Springs (2 springs)

Reverse Shaft Springs (4 Springs)
 Viton O-Rings, Brake Cylinders (2 each)
 Felt Bearing Seal, Pilot Truck
 Phosphor Bronze Leaf Spring Material for Drivers, Cut to 7/8" Wide, 23 pcs x 12" long
 Phosphor Bronze Leaf Spring Material for Trailing Truck, Cut to 3/4" Wide, 28 pcs x 12" long
 Boiler per Drawing 14A
 Running Board Material, 18" X 24" HH Brass Etched Sheet
 Bolt Set per BML-1-1 for Frame
 Smokebox Material, steel, turned to 11 1/8 OD x 15" long, 48 lbs.
 Smokebox Material, steel, not turned, 11 1/2 OD x 15" long, 78 lbs
 Cab Parts, set; roof, roof removable section, ventilator(.029 thick), right & left sides, front & rear bulkheads; .060 thick steel CNC cut and punched with rivet holes, drawings
 Tender Tank \$2,400.00
 bar stock, etc (Send for separate list.)
 Smokebox feedwater heater piping ditch parts
 Spanner wrench for piston rod locking ring
 Pilot truck ball bearings
 Axle stock for drivers, E52100 steel, 1.5" diameter, 4 pieces
 Axle stock for pilot truck, 1018, 1.375" diameter
 Axle stock for trailing truck, front, 4140, 1.25" diameter
 Axle stock for trailing truck, rear, 4140, 1.5" diameter

Notes

Side frames are heat treated to a completely annealed condition in order to minimize affects due to surface stresses incurred during machining. Pedestal Binders are included in machining price.
 Note 1
 Crankpins are made of E52100 bearing steel, hardened and ground
 Note 2
 Fully profiled steel wheel, machined from solid, IBLS flange and tread profile, fully machined.
 Note 3
 Materials and Types CI-Cast Iron DI-Ductile Iron B-Bronze A-Aluminum ST-Steel S-Sand Casting LW-Lost Wax FAB-Fabricated Part

New Detail Parts

Throttle Lever Fulcrum
 Throttle Lever Fulcrum Support
 Smokebox Throttle Rod Stuffing Box
 Number Board Kit (2 Number Boards) includes:
 2 Boxes, 2 Bezels, 2 Wing Nuts & 2 "I" Bolts, unmachined
 2 each; bulb holders (specify 3 or 4 bulb type),
 glass, frosted, 2 each
 4 each 00-120 bolts & nuts
 bulbs, each, sold separately

Number stencils, each sheet 1 thru 9, NKP style, sold separately

Number Board Support, right

Number Board Support, left

Sander Trap & Valve, dummy, Viloco Type

Horizontal Boiler Check Valve with End Flanges

Reverse Shaft Bearing Blocks (Set)

Reverse Shaft Stop

Running Board/Air Tank Brackets set of 6, 5 different)

Individually;

RS, Front Tan

RS, Rear Tan

LS, Tank, Fro

RS, Rear Tan

LS Tank, Rea

Upper Cooling

Upper Cooling

Pipe Clamp-S

Pipe Clamp-M

Pipe Clamp-L.

Generator Support

Mars Light

Tender Brake Cylinder

Detroit Model B Lubricator

Trailing Truck Rocker Parts

Rocker Seat

Seat, Rocker

Rocker

Boiler Supports

Intermediate

Front firebox

Rear firebox

Hot Water Pump Support

Steam Dome Cover

Air Compressor Shields (sheet metal only), set of 2, right & left

Bell

Ashpan Support

Ashpan, Upper Hopper

Fire pan

Material Type	Weight Each (lbs)
DI/S	33
DI/S	33
DI/S	2
DI/S	2
DI/S	2
B/S	7
B/S	3/4
B/S	3/4
B/S	1.5
B/S	0.5
B/S	23
DI/S	10
DI/S	2
B/S	9
B/S	5
DI/S	33
B/S	0.5
B/S	
B/S	0.8
B/S	1.3
B/LW	-
DI/S	53
B/LW	0.9
B/LW	-
B/S	
CI/S	11
CI/S	12
CI/S	15.5
CI/S	12
B/LW	1.6

B/S	14
B/S	13

B/S	13
B/S	1.3
B/LW	-
B/LW	-
B/S	1

B/S	31
B/S	2
B/S	1.8
B/LW	-
B/LW	-
B/S	0.3
B/S	0.3

B/LW	-
B/LW	-
B/LW	-
B/LW	-
B/LW	-
B/LW	-
B/LW	-
-	-

B/S	2.3
B/S	-
B/S	-

B/S	-
B/S	-
B/S	-
B/S	-

B/S	-
B/S	-
B/S	-
B/S	-

B/S	-
-----	---

B/S	-
B/S	1.2
B/S	-
B/S	-
B/S	-
B/S	-

B/S	-
B/S	-
B/S	1.2
B/S	-
B/S	-
B/S	-
B/S	-
B/S	-
B/S	-
B/S	-
B/S	-
B/S	-
B/S	-
B/LW	-
B/LW	-

B/S	1
B/S	0.4
B/S	0.8
B/LW	

B/LW
B/LW
B/LW
B/LW
B/S
B/S
B/LW
B/LW
B/LW
B/LW
B/LW
B/LW

B/S
B/LW

ik, both brackε #19-4-49

k, Front Brack #19-4-50

nt Bracket #19-7-51

k, Rear Brackε #19-7-52

r Bracket #19-7-53

γ Piping Clamp & Running Board Support-1

γ Piping Clamp & Running Board Support-2

mall

edium

arge