



**LIST OF SPARES**

Item	Description	Pack	R2459	R2543 R2551	R2461 R2558	R1077	R2455
1	Tender Buffer Set	2+2	N/A	X8075	X8075	N/A	N/A
2	Tender Underframe Assembly and Screws	1	X9054	X8078	X8078	X9054	X9054
3	Coupling Units	2	X9660	X9660	X9660	X9660	X9660
4	Tender Wheel Set	1	X8074	X8074	X8074	X8074	X8074
5	Loco Buffers	2	N/A	N/A	X8100	N/A	N/A
6	Motor Back Plate	1	X8085	X8085	X8085	X8085	X8085
7	Magnet and Keeper Ring Assembly	1	X8088	X8088	X8088	X8088	X8088
8	Armature	1	X8089	X8089	X8089	X8089	X8089
9	Motor Front Plate	1	X8086	X8086	X8086	X8086	X8086
10	Motor Gears and Pivot Pins	10	X8087	X8087	X8087	X8087	X8087
11	Brush Contacts & Screws & Wiring Assembly	1	X8720	X8720	X8720	X8720	X8720
12	Carbon Brush	10	X8314	X8314	X8314	X8314	X8314
13	Brush Springs	10	X8315	X8315	X8315	X8315	X8315
14	Motor Assembly	1	X8680	X8680	X8680	X8680	X8680
15	Cylinder Block	1	X8951	X8521	X8525	X8951	X8521
16	Drawbar Assembly	1	X8520	X8520	X8520	X8520	X8520
17	Coupling Rod Set	1	X9138	X9138	X8757	X9138	X9138
18	Loco Wheel Set	1	X8745	X8745	X8560	X8745	X8745
19	Collector Plate Assembly	1	X8685	X8685	X8685	X8685	X8685
20	Bogie Assembly	1	X8080	X8080	X8374	X8080	X8080
21	Chassis Bottom	1	X8672	X8672	X8672	X8672	X8672
22	Linkage set	set	N/A	N/A	X8097	N/A	N/A
23	PCB Pins / Holder	set	X9084	X9084	X9084	N/A	X9084
24	Decoder Holder and Screws	1+2	N/A	N/A	N/A	X9658	N/A
25	Decoder	1	N/A	N/A	N/A	X9659	N/A
*	Small Parts Pack	1	X9055	X9055	X8815	X9055	X9055
not illustrated	Brake Rod Set	set	X8952	X8952	X8073	X8952	X8952

NOTE: All items marked \* are contained in small parts pack X8815 and X9055. Tender underframes may vary.