

F45, FP45

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit athearn.com and click on the support tab for this product.

Meaning of Special Language

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.

⚠ WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Age Recommendation: Not for Children under 14 years. This is not a toy.

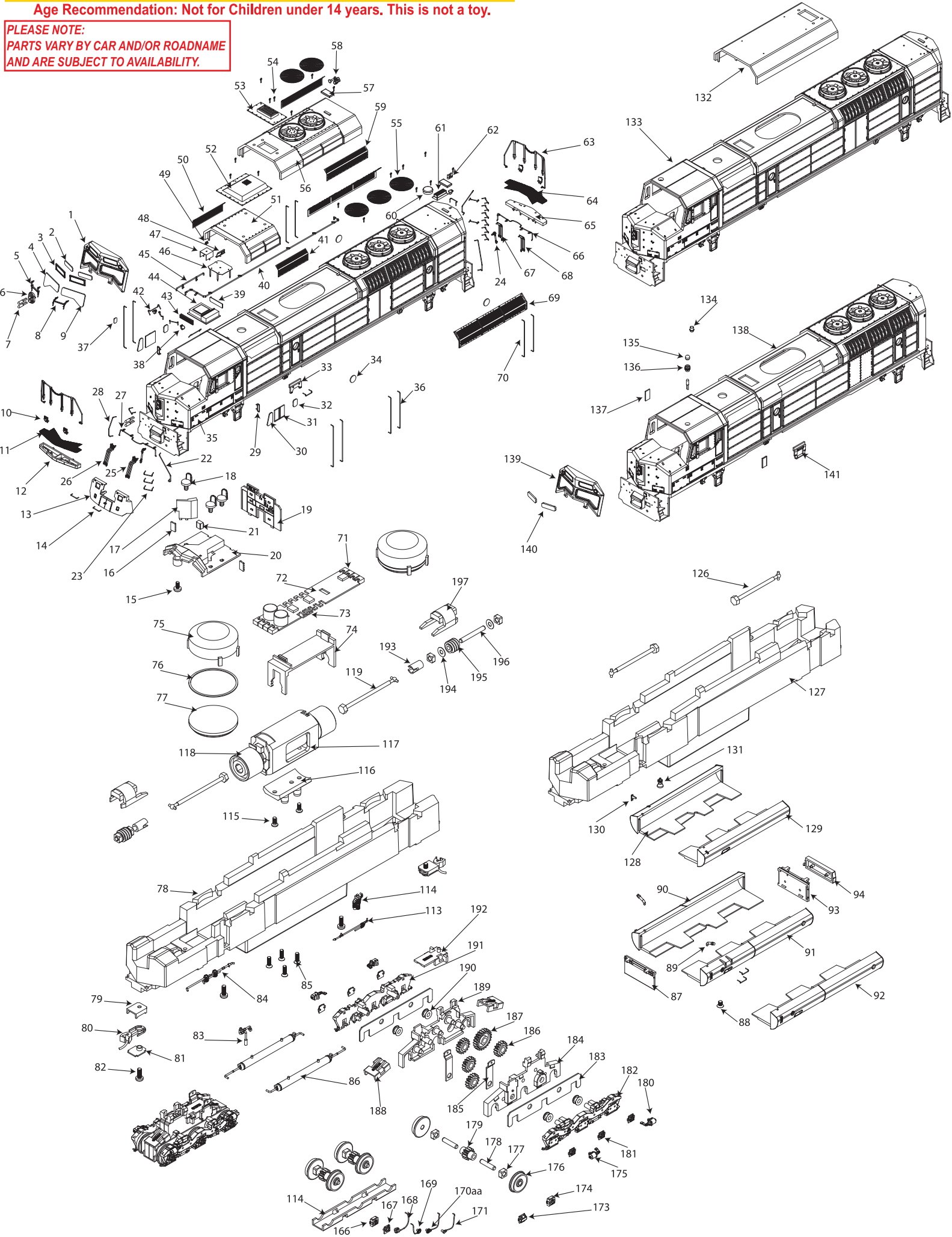
PLEASE NOTE:
PARTS VARY BY CAR AND/OR ROADNAME
AND ARE SUBJECT TO AVAILABILITY.



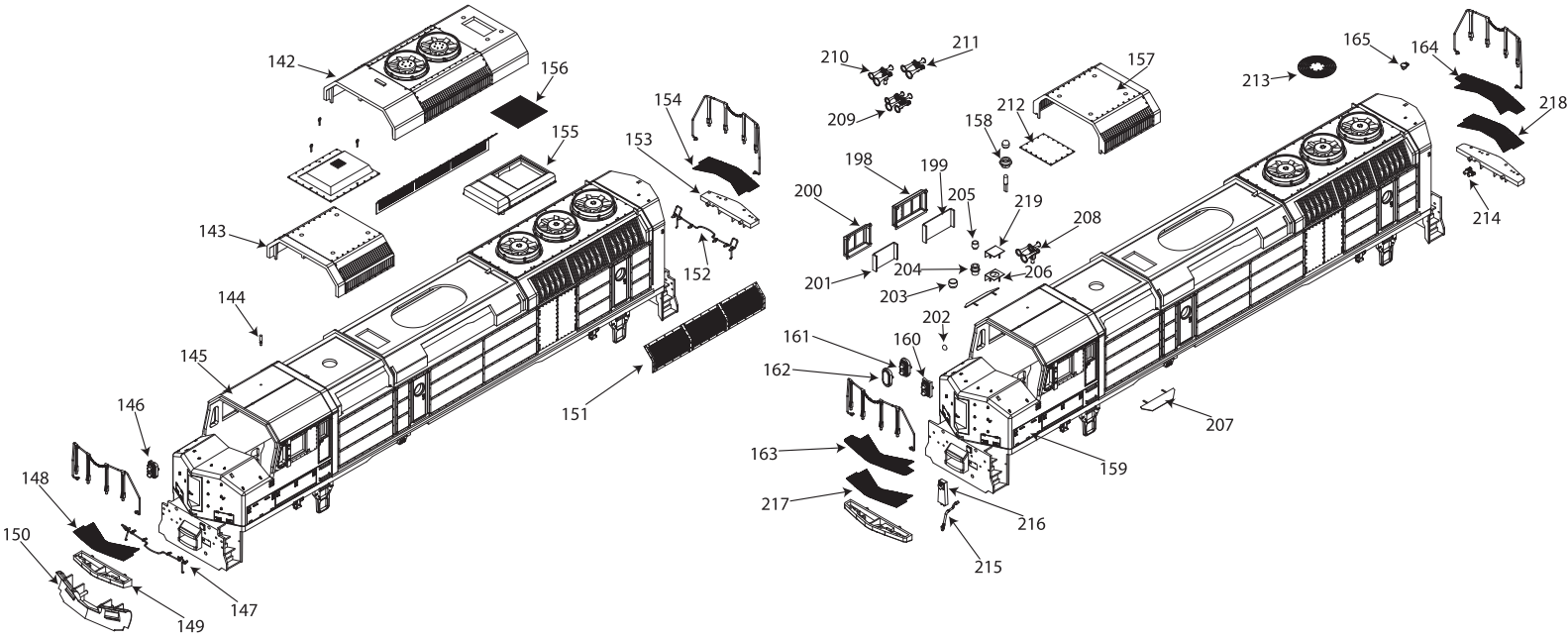
Thank you for purchasing your new Athearn® Genesis® HO scale model. Painstaking attention to detail has been taken to make your model "As Close to Real as it Gets™" while providing a superior drive and full-feature electronics for reliable prototypical operations.

Blending these features together provides a platform that should meet and exceed the most discriminating modeler's preferences.

Sincerely,
The Athearn Team



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1	G67709	Cab Font, High Headlight - Gyra	88	99015	Screw, KM2D1X3	199	G68222.02	All Weather Window Glass, 3-pane
2	G67766.09	Number Board Glass, Late	89	G68249.01	Fuel Filler	200	G68221.01	All Weather Window, 2-pane - V2
3	G67774	Number Board Housing, Late	90	G67708.02	5K Gallon Tank, Half - Right	201	G68221.02	All Weather Window Glass, 2-pane - V2
4	G67766.02	Cab Front Windshield Glass, Right	91	G67708.01	5K Gallon Tank, Half - Left Step	202	90618.601	Pyle Gyalralite Lens, Single, SP Red
5	G67746.02	Windshield Wiper, Right	92	G67779.01	5K Gallon Tank, Half - Left	203	G40371.02	Prime 8911 Stratolite Beacon, Dome
6	G67767.04	Headlight, Pyle Gyalralite - Dual	93	90772.04	Fuel Tank End Plate, Rear	204	G68289.01	Xenon Strobe, Base - Standard
7	G19023	Light Bulb	94	G67769	Waste Retention Tank, Fuel Tank	205	G68289.02	Xenon Strobe, Dome
8	G67746.01	Windshield Wiper, Left	113	G67745.03	Air Dryer, Piping	206	90660	Beacon Bracket, Cab-corner
9	G67766.01	Cab Front Windshield Glass, Left	114	G67745.02	Air Dryer, Prime	207	47648	Sunshade
10	G67748	MU Recepticle, Deck Mount	115	99108	Screw, KM1D9X7XHD3D6	208	90614.2035	Horn, Leslie S-3L-R - with Clearance Bracket, Standard Profile
11	G67761.03	Anticlimber, Walkway Deck - Front	116	G62018	Motor Mount	209	90614.2024	Horn, Leslie RS-ST-RRO
12	G67729	Anticlimber, Full Width - Front	117	G19250	Motor, Genesis	210	90614.2023	Horn, Leslie RSL-3L-R - with Clearance Bracket, Low-Profile
13	G67725	Pilot Plow, Passenger Style	118		Flywheel, Genesis	211	90614.2040	Horn, Leslie RSL-3L-R 3-Chime - Low-Profile
14	G67760.06	Grab Iron, Pilot Plow - Passenger	119	90121	Driveshaft, AB054-12N-01	212	90618.013	Air Conditioner Blanking Plate
15	99000	Screw, PM1D7X4 HD4D2	126	90123	Driveshaft, AF2878-07N-01	213	G63443.01	48inch Dynamic Radiator Fan Grill, Center Disk
16	G67744.04	Cab Heater	127	G67703	Chassis, F45	214	G63450.01	Spare Knuckle, Pilot-face Mount
17	G63911.03	Engineer Control Stand	128	G67704.02	Fuel Tank Half, 3600 Gallon - Right	215	G40288.02	Trainline Hose, Drop Elbow
18	G63911.04	Cab Seat	129	G67704.01	Fuel Tank Half, 3600 Gallon - Left	216	G67773	MU Stand, Tall - Milwaukee Road
19	G67744.02	Cab Rear Wall Electrical Cabinet	130	G68249.02	Vertical Sight Glass Gauge, Standard	217	G67761.07	Anticlimber Walkway, Slip Notched - Front
20	G67744.01	Cab Interior Floor	131	91791	Bell, Underframe Mount	218	G67761.08	Anticlimber Walkway, Slip Notched - Rear
21	G67744.03	Cab Water Cooler	132	G67714	Non-dynamic Brake Hatch, Milwaukee	219	90662	Beacon Bracket Corner, No Hole
22	G67775.02	End Rail, Left	133	G67706	Body, FP45 - Milwaukee	220	G67737	Body, F45 - ATSF, Modernized
23	G62327.05	Grab Iron, Drop	134	G67776	Antenna, Can Type	221	G67741	Body, F45 - BN, As Built
24	G40288.01	Trainline Hose, Standard	135	G68290.02	Beacon Dome, Western Cullen	222	G67742	Body, F45 - BN, Notched - Modernized
25	G67736.01	MU Hoses, Sloping - Left	136	G68290.01	Beacon Base, Western Cullen	223	G67743	Body, FP45 - ATSF, Modernized - Superfleet
26	G67736.02	MU Hoses, Sloping - Right	137	G67766.04	Cab Side Door Window, Square	224	98601.01	Sideframe, Flexicoil-C - Low Brake, Early - Right Front /Left Rear
27	G67733.02	Uncoupling Lever, Straight - Front	138	G67700	Body, F45 - ATSF, As Built	225	98599.02	Sideframe, Flexicoil-C - Low Brake, Intermediate - Right Front /Left Rear
28	G67775.03	End Rail, Right	139	G67710	Cab Front, No Headlight	226	98600.01	Sideframe, Flexicoil-C - Low Brake, Right Front /Left Rear
29	G67761.14	Cab Rear View Mirror	140	G67766.08	Number Board Glass, Early	227	98601.02	Sideframe, Flexicoil-C - High /Low Brake, Left Front/Right Rear
30	G67766.05	Cab Side Glass, Front Wind Wing	141	G67762	Side Sil Step, with Integral Step	228	98599.01	Sideframe, Flexicoil-C - Low Brake, Intermediate - Left Front/Right Rear
31	G67766.06	Cab Side Glass, Sliding Windows	142	G67712	Dynamic Brake Hatch, EMD - Standard Intakes	229	98600.02	Sideframe, Flexicoil-C - Low Brake, Late - Left Front/Right Rear
32	G67766.03	Cab Side Door Glass, Round Edge	143	G67716	Dustbin Base, Corrugated - Tall	230	98602.01	Sideframe, Flexicoil-C - Low Brake, Early - Left Front /Right Rear
33	G67763	Side Sil Step, Engine Compartment	144	90614.0004	Antenna Firecracker	231	98599.03	Braking Cylinder, Low - L1
34	G67766.07	Porthole Window Glass	145	G67701	Body, F45 - BN, Modernized	232	98599.04	Braking Cylinder, Low - R1
35	G67705	Body, FP45 - ATSF, As Built	146	G67767.02	Headlight, Dual Pyle - Rounded	233	98599.06	Braking Cylinder, Low - R2
36	G67760.02	Vertical Grab, Cab Doors	147	G67764.01	Uncoupling Lever, Late - Front	234	98599.05	Braking Cylinder, Low - L2
37	91591	Cab Vent, Rectangular	148	G67761.05	Anticlimber Walkway, Narrowed - Front	235	G63471.03	Brake Line, Flexicoil-C - Low Brake, Left
38	G67722.01	Sand Filler, Nose	149	G67730	Anticlimber, Narrow - Front, Notched Pilot	236	G63471.04	Brake Line, Flexicoil-C - Low Brake, Right
39	91592.02	Air Conditioner, Rear End Plate	150	G67724	Snowplow, EMD- Low Standard	237	G63471.05	Brake Line, Flexicoil-C - High Brake, Left
40	G67768	Air Horn Air Line, Santa Fe/ATSF	151	G67761.09	Radiator Intake Grill, EMD			
41	G67761.10	Dustbin Intake Grill, FARR - Left	152	G67764.02	Uncoupling Lever, Late - Rear			
42	G67760.01	Ladder Grab, Nose	153	G67732	Anticlimber, Narrow - Rear, Notched Pilot			
43	91592.03	Air Conditioner, Front End Plate	154	G67761.06	Anticlimber Walkway, Narrowed - Rear			
44	91592.01	Air Conditioner Housing	155	G67728.01	Winterization Hatch			
45	G67772	Antenna, EOT Conduit - ATSF	156	G67728.02	Winterization Hatch Grill			
46	90618.014	Antenna Ground Plane, Communication	157	G67717	Dustbin Base, Corrugated - Short			
47	90618.015	Antenna Ground Plane, EOT	158	G40371.01	Prime PM 8912, Beacon Base			
48	91586.3	Antenna, Sinclair - Large	159	G67702	Body, F45 - GN, As Built			
49	91586.4	Antenna, Sinclair - Small	160	G67767.01	Headlight, Dual Pyle - Squared			
50	G67761.11	Dustbin Intake Grill, FARR - Right	161	G67767.03	Headlight, Dual Pyle - Oval House			
51	G67718	Dustbin Base, FARR Grill - ATSF	162	G67767.05	Headlight, Dual Blank - Oval House			
52	95358	Inertial Filter Dustbin Hatch	163	G67761.01	Anticlimber Walkway, Deck Width - Front			
53	95333	Exhaust Stack, SD45T-2	164	G67761.02	Anticlimber Walkway, Deck Width - Rear			
54	G62328.13	Lifting Rng	165	G67722.02	Sand Filler, Long Hood End			
55	G40281.15	48inch Open Top Dynamic Radiator Fan Grill	166	98598.03	Bearing Journal, Square - For Speed Recorder			
56	G67713	Intake Grill, Dynamic Brake Hatch - FARR	167	98597.06	Bearing Cap, Timken - Exposed Core			
57	94793	Engine Compartment Vent	168	90614.0003	Speed Recorder			
58	90614.1120	Horn	169	90614.1037	Speed Recorder, Lead Axle - Forward Cable			
59	G67761.12	Intake Grill, Dynamic Brake - FARR	170	90614.0006	Speed Recorder, Lead Axle - Intermediate			
60	G67747.01	Steam Generator Intake	171	90614.0005	Speed Recorder, Lead Axle - Late			
61	G67747.02	Steam Generator Exhaust Stack	172	60504	Bottom Clip			
62	G67747.03	Steam Generator Relief Pipes	173	98598.05	Bearing Cap, Sloped			
63	G67775.01	End Handrails	174	98598.04	Bearing Journal, Square			
64	G67761.04	Anticlimber, Walkway Deck - Rear	175	98597.04	Brake Cylinder, High - Left			
65	G67731	Anticlimber, Full Width - Rear	176	90487	40inch Wheel			
66	G67733.01	Uncoupling Lever, Straight - Rear	177	40052	Bearing			
67	G67034.01	MU Hoses, Standard - Left	178	90494	Wheel Axle			
68	G67034.02	MU Hoses, Standard - Right	179	60024	Gear, 12T			
69	G67761.13	Radiator Intake Grill, FARR	180	98597.05	Brake Cylinder, High - Right			
70	G67760.03	Vertical Grab, Radiator / Engine Doors	181	G63470.07	Bearing Cap, Hyatt			
71	G63838.03	Wire Clip, 3	182	98598.01	Sideframe, Flexicoil C - High Brake, Right Front/Left Rear			
72	90670.05	Sound Board	183	60508	Side Plate			
73	G63838.02	Wire Clip, 2	184	60502	Gear box Right			
74	G62019	PCB Mount	185	45010	Connecting Plate			
75	G19036	Speaker Base	186	41020	Gear, 16T			
76	G63428.04	Speaker Seal	187	40030	Gear, 23T			
77	90669.01	Speaker	188	60503	Top Clip			
78	G67707	Chassis, FP45	189	60501	Gear Box, Left			
79	93473.01	Coupler Box, SD38	190	45006	Eyelet			
80	90615	Coupler	191	98598.02	Sideframe, Flexicoil C - High Brake, Left Front/Right Rear			
81	93473.02	Coupler Box Cover, SD38	192	60515	Center Clip			
82	99002	Screw, PM2D1X6_HD4D1	193	G63469	Female Coupling			
83	G67704.03	Fuel Tank Breather Pipe	194	G62021	PVC_WASHER			
84	G67745.01	Air Filters, Salem- With Piping	195	40063	Brass Worm			
85	99030	Screw Motor, KA1D9X6D2	196	40063	Worm Shaft			
86	G67711	Air Reservoir	197	40053	Worm Housing			
87	90722.03	Fuel Tank End Plate, Front	198	G68222.01	All Weather Window Glass, 3-pane			