



20-2306-1
20-2307-1
20-80003b

F-3 ABA Diesel Engines



GL032702



F-3 ABA Diesel Engines

Lead A Unit Shell Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Diaphragm(black) (3rib)(26.0x50.0x10.0mm)(notchedtopcorners) (2centermountingplugs)(rubber)	FI-0000017	2.00	12.) Door(black,silver) (completew/allhardware)(rightfront) (SouthernPacific)(#6101)(#6100)	FC-2101120	8.00
2.) Shell(black,silver,orange) (SouthernPacific)(#6101)	FC-2101104	*100.00	Door(white,red,black,silver) (completew/allhardware)(rightfront) (Burlington)(#162)(#162-C)	FC-2101121	8.00
Shell(white,red,silver) (Burlington)(#162)	FC-2101105	*100.00	Door(black,white) (completew/allhardware)(rightfront) (NH)(#2242)	FC-2101122	8.00
Shell(silver,white,orange,black) (bothAunitshavesame#) (NH)(#2242)	FC-2101106	*100.00	13.) Door(black,silver) (completew/allhardware)(leftfront) (SouthernPacific)(#6101)(#6100)	FC-2101123	8.00
3.) Liftring(black) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100189	0.50	Door(white,red,black,silver) (completew/allhardware)(leftfront) (Burlington)(#162)(#162-C)	FC-2101124	8.00
Liftring(white) (Burlington)(#162)(#162-C)(Bunit)	FC-2100319	0.50	Door(black,white) (completew/allhardware)(leftfront) (NH)(#2242)	FC-2101125	8.00
Liftring(silver) (NH)(#2242)(Bunit)	FC-2100342	0.50	14.) Vent (black)(top)(6.3x36.8mm) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100161	3.00
4.) Fan shroud(black) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100169	5.00	Vent (white)(top)(6.3x36.8mm) (Burlington)(#162)(#162-C)(Bunit)	FC-2100310	3.00
Fan shroud(white) (Burlington)(#162)(#162-C)(Bunit)	FC-2101107	5.00	Vent (silver) (top)(6.3x36.8mm)(NH)(#2242)(Bunit)	FC-2101126	3.00
Fan shroud(silver) (NH)(#2242)(Bunit)	FC-2101108	5.00	15.) Vent (silver) (12.2x222.0mm)(SouthernPacific)(#6101)(#6100)	FC-2101127	8.00
5.) Fan(lightgray) (10blades)(14.0mmdiameter)	FC-2100171	2.00	Vent (white) (12.2x222.0mm)(Burlington)(#162)(#162-C)	FC-2101128	8.00
6.) Pin(black)(forfan) (1.0x4.5mm)(0.8x3.5mmflathead) (1.4x3.0mmshank)(pinonendhasribsforpressfit)	FC-2100528	1.00	Vent (white,black) (12.2x222.0mm)(NH)(#2242)	FC-2101129	8.00
7.) Handrail(silver) (18.5mmlong) (SouthernPacific)(#6101)(#6100)	FC-2101109	2.00	16.) Lens(clear) (portal)(7.0x9.0x2.8mm)(2.3x10.4mmlenshead)	FA-0000001	2.00
Handrail(white) (Burlington)(#162)(#162-C)(NH)(#2242)	FC-2101110	2.00	17.) Airhorn(black) (1chime)(SouthernPacific)(#6101)(#6100)	FC-2100158	3.00
8.) Handrail(silver) (31.5mmlong) (SouthernPacific)(#6101)(#6100)	FC-2101111	2.00	Airhorn(white) (1chime)(Burlington)(#162)(#162-C)	FC-2101130	3.00
Handrail(white) (31.5mmlong) (Burlington)(#162)(#162-C)(NH)(#2242)	FC-2101112	2.00	Airhorn(nickel) (1chime)(NH)(#2242)	FC-2100118	3.00
9.) Spring(nickel)(door)	IE-0000077	0.50	18.) Handrail(silver) (cabroof)(24.5mmlong) (SouthernPacific)(#6101)(#6100)	FC-2101131	2.00
NS.) Doorhingepin(nickel) (27.0mmlong)(0.6mmthink)(L-shaped)	IG-0000049	0.25	Handrail(white) (cabroof)(24.5mmlong) (Burlington)(#162)(#162-C)(NH)(#2242)	FC-2101132	2.00
NS.) Doorhinge(gray) (9.7x10.0mm)(plastic)	FC-2101113	1.00	19.) Builder's plate (GM)(goldlettersw/blackbackground)	FC-2100638	3.00
10.) Door(black,silver) (completew/allhardware)(rightrear) (SouthernPacific)(#6101)(#6100)	FC-2101114	8.00	20.) Lens(clear) (doorwindow)(9.2x9.4x2.0mm)(0.5mmlip)	FA-0000105	2.00
Door(white,red,black,silver) (completew/allhardware)(rightrear) (Burlington)(#162)(#162-C)	FC-2101115	8.00	21.) Handrail(silver) (46.5mmlong)(SouthernPacific)(#6101)(#6100)	FC-2101133	2.00
Door(white) (completew/allhardware)(rightrear)(NH)(#2242)	FC-2101116	8.00	Handrail(white) (46.5mmlong)(Burlington)(#162)(#162-C) (NH)(#2242)	FC-2101134	2.00
11.) Door(black,silver) (completew/allhardware)(leftrear) (SouthernPacific)(#6101)(#6100)	FC-2101117	8.00	22.) Numberboard (blackw/clearletters)(SouthernPacific)(#6101)	FG-2100300	2.00
Door(white,red,black,silver) (completew/allhardware)(leftrear) (Burlington)(#162)(#162-C)	FC-2101118	8.00	Numberboard (blackw/clearletters)(Burlington)(#162)	FG-2100301	2.00
Door(white) (completew/allhardware)(leftrear)(NH)(#2242)	FC-2101119	8.00	Numberboard (blackw/clearletters)(NH)(#2242)	FG-2100302	2.00

*RequiresExchange
Allpartsarepricedaseach



F-3 ABA Diesel Engines

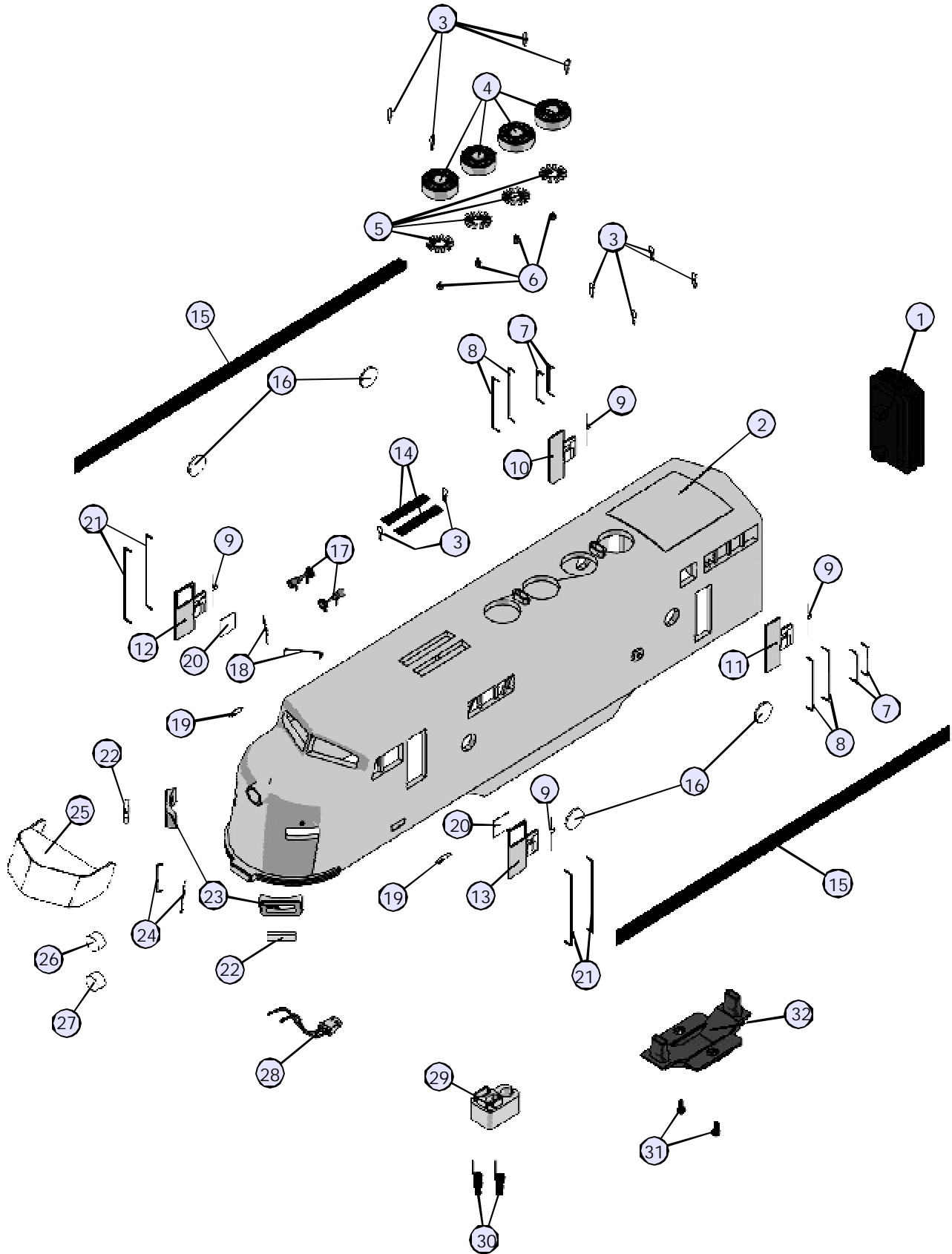
Lead A Unit Shell Parts

NameandNumber	Part #	\$Price PerUnit
23.) Numberboardhousing(black) (SouthernPacific)(#6101)(#6100)	FC-2100165	4.00
Numberboardhousing(white) (Burlington)(#162)(#162-C)	FC-2101135	4.00
Numberboardhousing (flatblack)(NH)(#2242)	FC-2101136	4.00
24.) Handrail(silver) (12.0mmlong)(SouthernPacific)(#6101)(#6100)	FC-2101137	2.00
Handrail(white) (12.0mmlong)(Burlington)(#162)(#162-C)	FC-2101138	2.00
Handrail(black) (12.0mmlong)(NH)(#2242)	FC-2101139	2.00
25.) Windows (clear) (windshieldandsidewindows)	FA-2130007	6.00
26.) Lens(clear) (4.5x7.0x5.7mm)(2.5x8.2mmlenshead) (ribsforpressfit)(headlight/marslight)	FA-2130006	2.00
27.) Lens(clear)(4.0x6.2x5.2mm) (2.0x7.4mmlenshead)(ribsforpressfit) (headlight)(forenginesw/amarlight) (SouthernPacific)(#6101)(#6100) (Burlington)(#162)(#162-C)	FA-0000003	2.00
28.) L.E.D.s(green)(6v)(2) (335.0mmlongwiresw/yellowmale2pinplug)	CE-0000021	5.00
29.) Contactspringbase(black) (plastic)(for1male2pinplug)	BH-0000001	2.00
30.) Contactspring(copper)	IE-0000015	0.50
31.) Screw (M3x8.0mm)(roundhead)(self-drillingthreads)	IA-0000072	0.15
32.) Smokeunitfunnel(black) (plastic)(30.0x56.7mm)(2stacks)(2separateparts)	AA-0000054	6.00

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F-3 ABA Diesel Engines Lead A Unit Shell Parts



F-3 ABA Diesel Engines

Lead A Unit Chassis Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Tachboard(green)(standard)	AG-0000033	6.00	29.) Screw (M3x8.0mm)(roundhead)	IA-0000035	0.15
2.) Rubberband	BI-4500004	0.50	30.) Volumepot (smallvolumepot)(bluew/greenboard)	BI-0000040	5.00
3.) Motor(RS-385PH) (7.8x17.0mmwormgear)(10.0mmlongthreads) (9.0x30.0mmblack&whitetaperedflywheel) (blackbracketfortachboard)	BE-0000122	25.00	31.) Spacer(black) (3.0x6.0x4.3mm)(plastic)	ID-0000071	0.15
4.) Motor(RS-385PH) (7.8x17.0mmwormgear)(10.0mmlongthreads) (9.0x30.0mmblacktaperedflywheel)	BE-0000123	25.00	32.) Insulator(white) (washer)(3.0x6.0x3.0mm)(plastic)	ID-0000025	0.15
5.) Motormount(black)	BI-0000009	15.00	33.) Voltageregulator (LM2937ET)	AG-0000032	3.00
6.) Screw(yellowZink) (M2.5x6.0mm)(roundhead)(w/lockwasher)	IA-0000001	0.15	34.) Insulator(clear) (13.0x19.0x0.1mm)(singlehole)	ID-0000024	0.15
7.) Screw (M3x14.0mm)(roundhead)(w/lockwasher)	IA-0000012	0.15	35.) Patchboard(green) (w/yellow,blue,black,red,whitemale2pinplugs)	AG-0000038	8.00
8.) Batteryleads (260.0mmlongwiresw/blacksmallmale2pinplug) (90.0mmlongwiresw/batterychargerjack)	BC-0000157	6.00	36.) Engineer(blackman) Engineer(whiteman)	FI-0000030 FI-0000001	5.00 5.00
9.) Screw (M3x3.0mm)(roundhead)	IA-0000296	0.15	37.) Fireman/Brakeman/Conductor (whiteman) Fireman/Brakeman/Conductor (blackman)	FI-0000009 FI-0000033	5.00 5.00
10.) Battery	BG-4000001	10.00	38.) Interiordetail(gray) (hasdashboardand2seats&mountingposts)	FC-2101243	10.00
11.) Bracket(black) (battery)(verticalmount)(plastic)	IH-0000042	3.00	39.) Grommet(black) (cupped)(rubber)	IH-0000144	0.50
12.) Contactspringboard (7.0x10.0x26.7mm)(2mountingholes) (2silvercontactpads)	BH-0000065	3.00	40.) Bulb(clear)(6v)(1) (60.0mmlongwiresw/yellowmale2pinplug) (grainofwheat)(cablight)	CG-0000051	3.00
13.) Chassis(black)(57.0x303.0mm)	DH-2100038	*20.00	41.) Bulbs(clear)(grainofwheat) (6v)(2)(60.0mmlongwiresw/redmale2pinplug)	CC-0000052	4.00
14.) Ladder(black) (mountstochassis) (SouthernPacific)(#6101)(#6100)(Bunit) (Burlington)(#162)(#162-C)(Bunit) Ladder(white) (mountstochassis)(NH)(#2242)(Bunit)	FC-2100107 FC-2101142	3.00	42.) Bulb(clear) (6v)(60.0mmlongwiresw/whitemale2pin plug) (grainofwheat)(marslight)	CB-0000004	4.00
15.) Bracket(black) (8.2x38.0mm)(11.0mmstep)(mountssmokeyunit)	IH-0000346	4.00	43.) Bulb(dear) (6v)(1)(60.0mmlongwiresw/bluemale2pinplug) (grainofwheat)(headlight)	CA-0000028	3.00
16.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15	44.) Bracket(black) (forlightsonfrontofF-3Aunit)	IH-0000071	3.00
17.) Smokeunit (PS2)(10.0x12.0x4.0x5.0mmbrasscup) (7.5mmlongmountingposts)	AA-0000057	50.00	45.) Screw (4/40x6.0mm)(flathead)	IA-0000038	0.15
18.) Insulator(black) (rubber)(22.0x30.0x17.0mm)(1.5mmthick)	IB-0000016	2.00	46.) Wirestrap(black) (metal)(small)	IH-0000012	1.00
19.) Screw (6/32x12.0mm)(roundhead)	IA-0000062	0.15	47.) Pilot(blackw/silverstripes) (2mountingholes)(SouthernPacific)(#6101)(#6100) Pilot(white) (2mountingholes)(Burlington)(#162)(#162-C) Pilot(black)	DG-2130030 DG-2130031 DG-2130032	15.00 15.00 15.00
20.) Bracket(Aluminum) (formountingProto-Sound®2.0boards) (tappedfor6/32screw)(15.0x39.0mm)	IH-0000347	4.00	48.) T-bar (black) (4.0x20.0mm)(plastic)	IG-0000001	0.50
21.) Boards (Proto-Sound®2.0)(w/Rommemory)(5vboard)	AE-0000001	*200.00	49.) Proto-Coupler®(black) (Proto-Coupler®2.0)(51.0mmlong)	DD-0000032	10.00
22.) Screw (M2x4.0mm)(roundhead)	IA-0000058	0.15	50.) Coupler(black) (34.5mmlong)(T-barmounting)(non-operating) (cutdownto6.5mmthick)	DD-0000047	3.00
23.) Batterychargerjack(complete)	BG-0000001	3.00	51.) Spring(nickel) (6.5x14.0mm)(0.5mmthickwire)	IE-0000017	0.50
24.) PCboard(green) (7.0x19.2mmPCboardw/blackfemale10pinplug)	BB-0000029	8.00	52.) Washer(black) (4.5x10.0x0.5mm)(metal)	ID-0000009	0.15
25.) Bracket(black)(metal) (13.0x30.0mm)(formountingPCboardvertically)	IH-0000348	4.00	53.) E-clip(black) (3.0x8.0x0.5mm)	IF-0000002	0.15
26.) Screw (M3x6.0mm)(roundhead)	IA-0000016	0.15			
27.) Speakercone(black) (plastic)(11.0x38.0mm)(shavedon2sides)	BF-0000014	2.00			
28.) Switch(large)(2position)	BB-0000006	5.00			

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Lead A Unit Chassis Parts

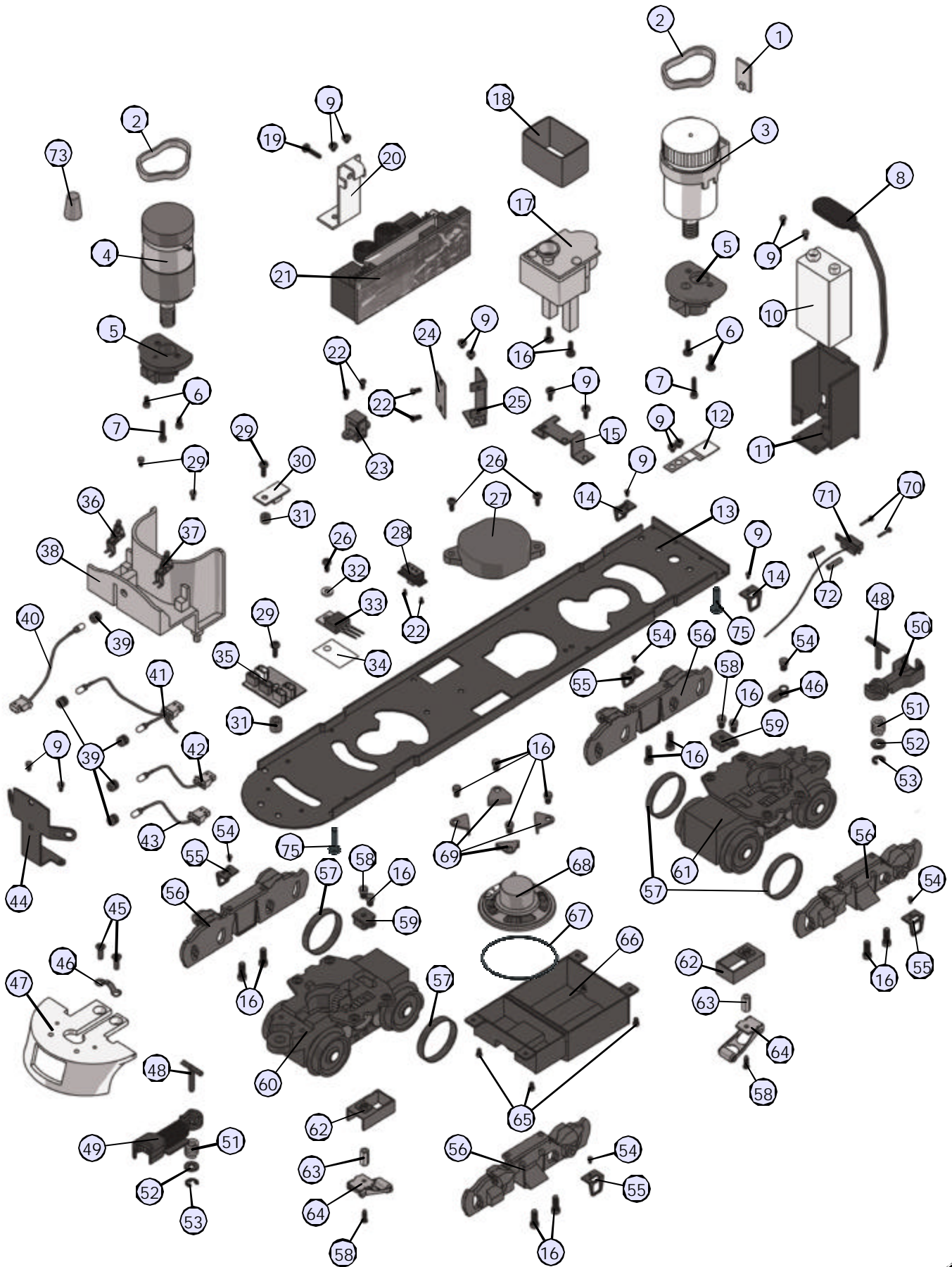
Name and Number	Part #	\$Price Per Unit
54.) Screw (4/40x4.0mm)(roundhead)	IA-0000021	0.15
55.) Ladder(black)(truckside) (Southern Pacific)(#6101)(#6100)(Bunit) (Burlington)(#162)(#162-C)(Bunit)	FC-2100109	3.00
Ladder(white) (truckside)(NH)(#2242)(Bunit)	FC-2101244	3.00
56.) Truckside(black) (right)(leftholetappedontopformountingladder) (2axletruck)(trucksidescrawsmountfrombottom)	DB-2110004	7.00
57.) Truckside(black) (left)(rightholetappedontopformountingladder) (2axletruck)(trucksidescrawsmountfrombottom)	DB-2120004	7.00
58.) Screw(nickel) (M3x6.0mm)(roundhead)	IA-0000015	0.15
59.) Insulator(black) (top)(square)(pick-up)	BD-0000015	2.00
60.) Truck(black)(2axle) (2holestappedforpilot&2formountingPCboard) (trucksidescrawsmountfrombottom)(powered)	DA-2000024	*30.00
61.) Truck(black)(2axle) (2holestappedforpilot&2formountingPCboard) (trucksidescrawsmountfrombottom)(powered)	DA-2000024	*30.00
62.) Insulator(black) (pick-up)(bottom)(flatw/rect.box)(18.0x30.0mm)	BD-0000039	2.00
63.) Nut(nickel) (2.5x5.0x10.0mm)	IC-0000005	0.50
64.) Pick-up (8.0x11.0mmroller)(28.0mmlong)	BD-0000005	5.00
65.) Screw (M3x4.0mm)(roundhead)	IA-0000010	0.15
66.) Fuel tank(black) (4holestappedformountingspeaker) (Southern Pacific)(#6101)(#6100)(Bunit) (Burlington)(#162)(#162-C)(Bunit)	FC-2101245	*20.00
Fuel tank(silver) (4holestappedformountingspeaker) (NH)(#2242)(Bunit)	FC-2101246	*20.00
67.) Gasket (black)(speaker)(foam) (46.0x51.0mm)(4.5mmthick)(for50.0mmspeakers)	IB-0000011	1.00
68.) Speaker(STAR) (FR-050-A1421)(16ohms)(5W)(50.0mmspeaker)	BF-0000022	10.00
69.) Bracket(brass) (speaker)(12.0x11.0mm)(5.7mmstep) (1.0mmthick)(roundedcornersonmountingend)	IH-0000349	1.00
70.) Screw (M2x18.0mm)(roundhead)	IA-0000095	0.15
71.) Wireharness (PCboardw/blackfemale10pinplug) (205.0mmlongwiresw/blackmale10pinplug)	BC-2100031	12.00
72.) Spacer(black) (2.0x4.5x14.5mm)(metal)	ID-0000050	0.50
73.) Wirenut(yellow)	BI-4500003	0.25
74.) Tractiontire(black) (rubber)(4.0x17.0mm)	DE-0000018	0.75
75.) Screw (M3x16.0mm)(washerhead)(self-drilling)	IA-0000025	0.15
NS.) Wireharness (blackmale7pinplug)	BC-0000164	10.00
NS.) Wireharness (blackmale12pinplug)	BC-2100032	25.00

Name and Number	Part #	\$Price Per Unit
NS.) Wireharness (150.0mmlongred&blackwiresw/eyelets) (blackwireshieldonwires)(forpick-up)	BC-0000165	4.00
NS.) Wireharness (75.0mmlongwiresw/blackmale2pinplug) (blackwireshieldonwires)(forProto-Coupler®)	BC-0000116	2.00

*Requires Exchange
All parts are priced as each



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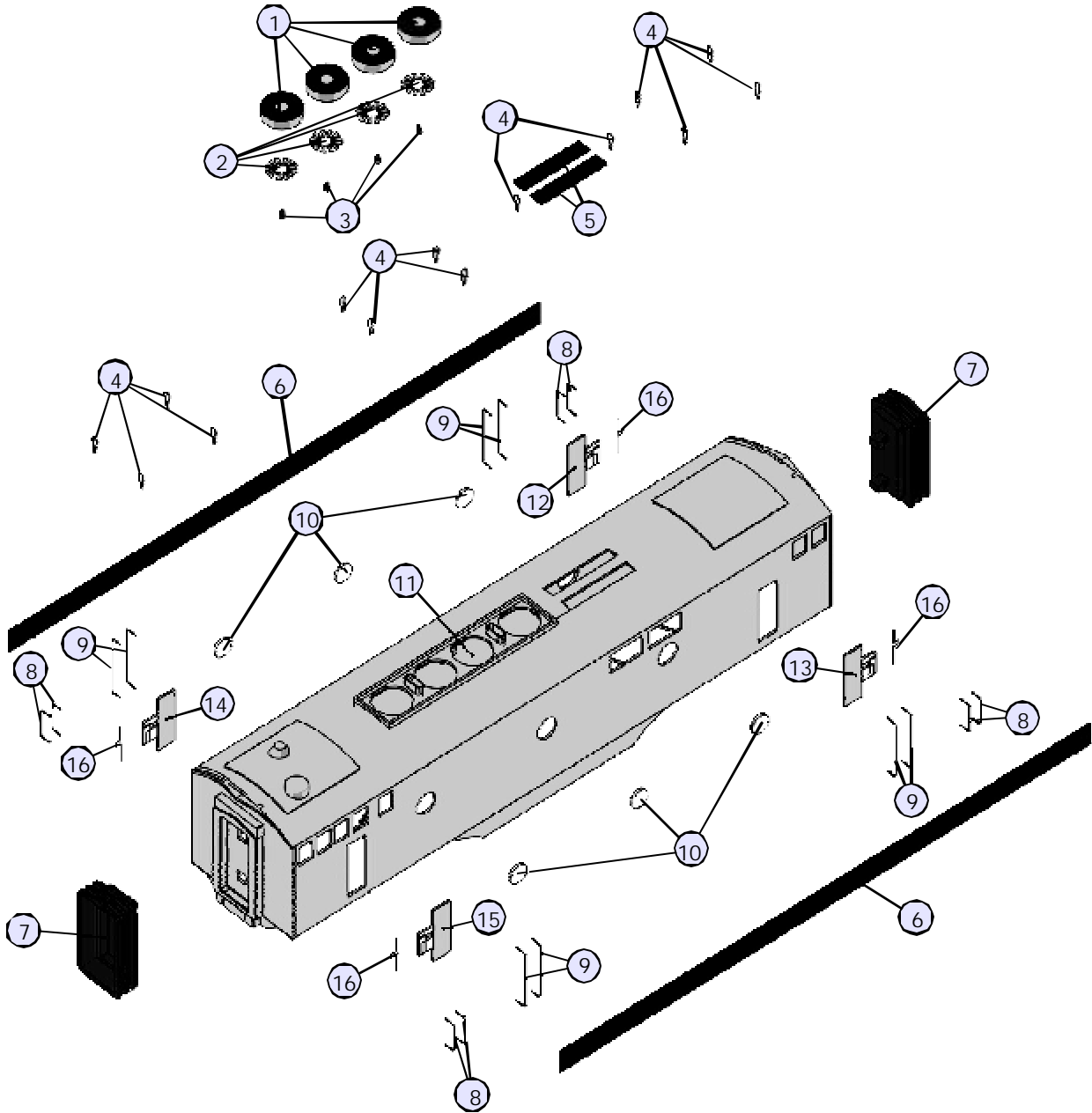
B U n i t S h e l l P a r t s

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
1.) Fan shroud(black) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100169	5.00	13.) Door(white,red,black,silver) (completew/allhardware)(leftrear/rightfront) (Burlington)(#162)(#162-C)(Bunit)	FC-2101118	8.00
Fan shroud(white) (Burlington)(#162)(#162-C)(Bunit)	FC-2101107	5.00	Door(white,red) (completew/allhardware)(leftrear)(NH)(Bunit)	FC-2101253	8.00
Fan shroud(silver) (NH)(#2242)(Bunit)	FC-2101108	5.00	14.) Door(black,silver) (completew/allhardware)(rightrear/leftfront) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2101114	8.00
2.) Fan(lightgray) (10blades)(14.0mmdiameter)	FC-2100171	2.00	Door(white,red,black,silver) (completew/allhardware)(rightrear/leftfront) (Burlington)(#162)(#162-C)(Bunit)	FC-2101115	8.00
3.) Pin(black)(forfan) (1.0x4.5mm)(0.8x3.5mmflathead) (1.4x3.0mms Shank)(pinonendhasribsforpressfit)	FC-2100528	1.00	Door(white,silver) (completew/allhardware)(right front)(NH)(Bunit)	FC-2101254	8.00
4.) Liftring(black) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100189	0.50	15.) Door(black,silver) (completew/allhardware)(leftrear/rightfront) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2101117	8.00
Liftring(white) (Burlington)(#162)(#162-C)(Bunit)	FC-2100319	0.50	Door(white,red,black,silver) (completew/allhardware)(leftrear/rightfront) (Burlington)(#162)(#162-C)(Bunit)	FC-2101118	8.00
Liftring(silver) (NH)(#2242)(Bunit)	FC-2100342	0.50	Door(white,silver) (completew/allhardware)(leftfront)(NH)(Bunit)	FC-2101255	8.00
5.) Vent (black)(top)(6.3x36.8mm) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100161	3.00	16.) Spring(nickel)(door) NS.) Doorhingepin(nickel) (27.0mmlong)(0.6mmthink)(L-shaped)	IE-0000077	0.50
Vent (white)(top)(6.3x36.8mm) (Burlington)(#162)(#162-C)(Bunit)	FC-2100310	3.00	NS.) Doorhingepin(gray) (9.7x10.0mm)(plastic)	IG-0000049	0.25
Vent (silver) (top)(6.3x36.8mm)(NH)(#2242)(Bunit)	FC-2101126	3.00			
6.) Vent (silver) (12.0x286.0mm)(SouthernPacific)(Bunit)	FC-2101247	8.00			
Vent (white) (12.0x286.0mm)(Burlington)(Bunit)(NH)(Bunit)	FC-2101248	8.00			
7.) Diaphragm(black) (3rib)(26.0x50.0x10.0mm)(notchedtopcorners) (2centermountingplugs)(rubber)	FI-0000017	2.00			
8.) Handrail(silver) (18.5mmlong) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2101109	2.00			
Handrail(white) (18.5mmlong) (Burlington)(#162)(#162-C)(Bunit)	FC-2101110	2.00			
(NH)(#2242)(Bunit)					
9.) Handrail(silver) (31.5mmlong) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2101111	2.00			
Handrail(white) (31.5mmlong) (Burlington)(#162)(#162-C)(Bunit)	FC-2101112	2.00			
(NH)(#2242)(Bunit)					
10.) Lens(clear) (portal)(7.0x9.0x2.8mm)(2.3x10.4mmlenshead)	FA-0000001	2.00			
11.) Shell(black,orange) (SouthernPacific)(Bunit)	FC-2101249	*100.00			
Shell(white,red,silver) (Burlington)(Bunit)	FC-2101250	*100.00			
Shell(silver, white,orange) (NH)(Bunit)	FC-2101251	*100.00			
12.) Door(black,silver) (completew/allhardware)(rightrear/leftfront) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2101114	8.00			
Door(white,red,black,silver) (completew/allhardware)(rightrear/leftfront) (Burlington)(#162)(#162-C)(Bunit)	FC-2101115	8.00			
Door(white,red) (completew/allhardware)(rightrear)(NH)(Bunit)	FC-2101252	8.00			
13.) Door(black,silver) (completew/allhardware)(leftrear/rightfront) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2101117	8.00			

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Allpartsarepricedaseach



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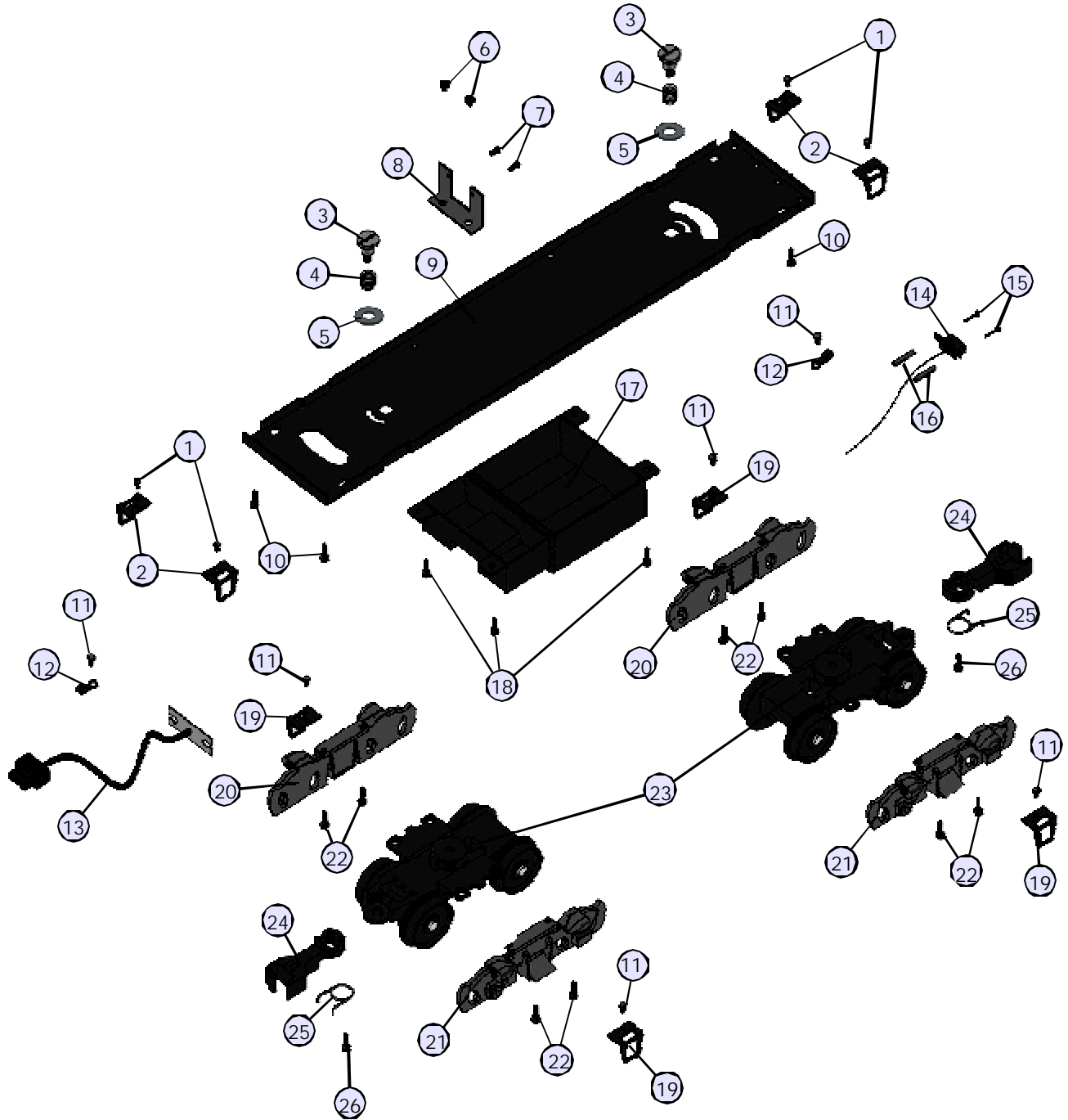
B Unit Chassis Parts

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
1.) Screw (M3x3.0mm)(roundhead)	IA-0000296	0.15	23.) Truck(black)(2axle) (non-operating)(truckside screws mount from bottom) (2screw hole stamped for mounting PC board)	DA-2000025	25.00
2.) Ladder(black) (mount to chassis) (Southern Pacific)(#6101)(#6100) (Bunit) (Burlington)(#162)(#162-C) (Bunit) Ladder(white) (mount to chassis)(NH)(#2242) (Bunit)	FC-2100107	3.00	24.) Coupler(black) (34.5mm long)(screw mounting) (non-operating) (cut down to 6.5mm thick)	DD-0000048	3.00
3.) Bolt (8/32x15.0mm)(1.8x10.0mm slotted head) (6.0x8.0mm oversized shank)	IA-0000088	1.00	25.) Spring(nickel) (centering spring)	IE-0000027	0.50
4.) Spring(nickel) (8.0x12.0mm)(0.7mm thick wire)	IE-0000026	0.50	26.) Screw (4/40x4.0mm)(roundhead)	IA-0000021	0.15
5.) Washer(black) (6.5x12.0x0.4mm)	ID-0000112	0.15			
6.) Screw (M3x3.0mm)(roundhead)	IA-0000296	0.15			
7.) Screw (M2x4.0mm)(roundhead)	IA-0000058	0.15			
8.) Bracket(black) (19.5x29.0x7.5mm)(metal) (PC board mounting)	IH-0000146	3.00			
9.) Chassis(black)(56.0x292.0mm)	DH-2100040	*20.00			
10.) Screw (M3x16.0mm)(washer head) (self-drilling)	IA-0000025	0.15			
11.) Screw (4/40x4.0mm)(roundhead)	IA-0000021	0.15			
12.) Wire strap(black) (metal)(small)	IH-0000012	1.00			
13.) Wire harness (PC board w/black female 10pin plug) (220.0mm long wires w/flat black male 10pin plug)	BC-2100036	12.00			
14.) Wire harness (PC board w/black female 10pin plug) (170.0mm long wires w/black male 10pin plug)	BC-2100037	12.00			
15.) Screw (M2x18.0mm)(roundhead)	IA-0000095	0.15			
16.) Spacer(black) (2.0x4.5x14.5mm)(metal)	ID-0000050	0.50			
17.) Fuel tank(black) (4 hole stamped for mounting speaker) (Southern Pacific)(#6101)(#6100) (Bunit) (Burlington)(#162)(#162-C) (Bunit) Fuel tank(silver) (4 hole stamped for mounting speaker) (NH)(#2242)(Bunit)	FC-2101245	*20.00			
	FC-2101246	*20.00			
18.) Screw (M3x4.0mm)(roundhead)	IA-0000010	0.15			
19.) Ladder(black)(truckside) (Southern Pacific)(#6101)(#6100) (Bunit) (Burlington)(#162)(#162-C) (Bunit) Ladder(white) (truckside)(NH)(#2242) (Bunit)	FC-2100109	3.00			
	FC-2101244	3.00			
20.) Truckside(black) (right)(left hole tapped on top for mounting ladder) (2 axle truck)(truckside screws mount from bottom)	DB-2110004	7.00			
21.) Truckside(black) (left)(right hole tapped on top for mounting ladder) (2 axle truck)(truckside screws mount from bottom)	DB-2120004	7.00			
22.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15			

*Requires Exchange
All parts are priced as each



F-3 ABA Diesel Engines B Unit Chassis Parts



F-3 ABA Diesel Engines

Trailing Unit Shell Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Diaphragm(black) (3rib)(26.0x50.0x10.0mm)(notchedtopcorners) (2centermountingplugs)(rubber)	FI-0000017	2.00	12.) Door(black,silver) (completew/allhardware)(rightfront) (SouthernPacific)(#6101)(#6100)	FC-2101120	8.00
2.) Shell(black,silver,orange) (SouthernPacific)(#6100)	FC-2101140	*100.00	Door(white,red,black,silver) (completew/allhardware)(rightfront) (Burlington)(#162)(#162-C)	FC-2101121	8.00
Shell(white,red,silver) (Burlington)(#162-C)	FC-2101141	*100.00	Door(black,white) (completew/allhardware)(rightfront) (NH)(#2242)	FC-2101122	8.00
Shell(silver,white,orange,black) (bothAunitshavesame#) (NH)(#2242)	FC-2101106	*100.00	13.) Door(black,silver) (completew/allhardware)(leftfront) (SouthernPacific)(#6101)(#6100)	FC-2101123	8.00
3.) Liftring(black) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100189	0.50	Door(white,red,black,silver) (completew/allhardware)(leftfront) (Burlington)(#162)(#162-C)	FC-2101124	8.00
Liftring(white) (Burlington)(#162)(#162-C)(Bunit)	FC-2100319	0.50	Door(black,white) (completew/allhardware)(leftfront) (NH)(#2242)	FC-2101125	8.00
Liftring(silver) (NH)(#2242)(Bunit)	FC-2100342	0.50	14.) Vent (black)(top)(6.3x36.8mm) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100161	3.00
4.) Fan shroud(black) (SouthernPacific)(#6101)(#6100)(Bunit)	FC-2100169	5.00	Vent (white)(top)(6.3x36.8mm) (Burlington)(#162)(#162-C)(Bunit)	FC-2100310	3.00
Fan shroud(white) (Burlington)(#162)(#162-C)(Bunit)	FC-2101107	5.00	Vent (silver) (top)(6.3x36.8mm)(NH)(#2242)(Bunit)	FC-2101126	3.00
Fan shroud(silver) (NH)(#2242)(Bunit)	FC-2101108	5.00	15.) Vent (silver) (12.2x222.0mm)(SouthernPacific)(#6101)(#6100)	FC-2101127	8.00
5.) Fan(lightgray) (10blades)(14.0mmdiameter)	FC-2100171	2.00	Vent (white) (12.2x222.0mm)(Burlington)(#162)(#162-C)	FC-2101128	8.00
6.) Pin(black)(forfan) (1.0x4.5mm)(0.8x3.5mmflathead) (1.4x3.0mmshank)(pinonendhasribsforpressfit)	FC-2100528	1.00	Vent (white,black) (12.2x222.0mm)(NH)(#2242)	FC-2101129	8.00
7.) Handrail(silver) (18.5mmlong) (SouthernPacific)(#6101)(#6100)	FC-2101109	2.00	16.) Lens(clear) (portal)(7.0x9.0x2.8mm)(2.3x10.4mmlenshead)	FA-0000001	2.00
Handrail(white) (Burlington)(#162)(#162-C)(NH)(#2242)	FC-2101110	2.00	17.) Airhorn(black) (1chime)(SouthernPacific)(#6101)(#6100)	FC-2100158	3.00
8.) Handrail(silver) (31.5mmlong) (SouthernPacific)(#6101)(#6100)	FC-2101111	2.00	Airhorn(white) (1chime)(Burlington)(#162)(#162-C)	FC-2101130	3.00
Handrail(white) (31.5mmlong) (Burlington)(#162)(#162-C)(NH)(#2242)	FC-2101112	2.00	Airhorn(nickel) (1chime)(NH)(#2242)	FC-2100118	3.00
9.) Spring(nickel)(door)	IE-0000077	0.50	18.) Handrail(silver) (cabroof)(24.5mmlong) (SouthernPacific)(#6101)(#6100)	FC-2101131	2.00
NS.) Doorhingepin(nickel) (27.0mmlong)(0.6mmthink)(L-shaped)	IG-0000049	0.25	Handrail(white) (cabroof)(24.5mmlong) (Burlington)(#162)(#162-C)(NH)(#2242)	FC-2101132	2.00
NS.) Doorhinge(gray) (9.7x10.0mm)(plastic)	FC-2101113	1.00	19.) Builder's plate (GM)(goldlettersw/blackbackground)	FC-2100638	3.00
10.) Door(black,silver) (completew/allhardware)(rightrear) (SouthernPacific)(#6101)(#6100)	FC-2101114	8.00	20.) Lens(clear) (doorwindow)(9.2x9.4x2.0mm)(0.5mmlip)	FA-0000105	2.00
Door(white,red,black,silver) (completew/allhardware)(rightrear) (Burlington)(#162)(#162-C)	FC-2101115	8.00	21.) Handrail(silver) (46.5mmlong)(SouthernPacific)(#6101)(#6100)	FC-2101133	2.00
Door(white) (completew/allhardware)(rightrear)(NH)(#2242)	FC-2101116	8.00	Handrail(white) (46.5mmlong)(Burlington)(#162)(#162-C) (NH)(#2242)	FC-2101134	2.00
11.) Door(black,silver) (completew/allhardware)(leftrear) (SouthernPacific)(#6101)(#6100)	FC-2101117	8.00	22.) Numberboard (blackw/clearletters)(SouthernPacific)(#6100)	FG-2100303	2.00
Door(white,red,black,silver) (completew/allhardware)(leftrear) (Burlington)(#162)(#162-C)	FC-2101118	8.00	Numberboard (blackw/clearletters)(Burlington)(#162-C)	FG-2100304	2.00
Door(white) (completew/allhardware)(leftrear)(NH)(#2242)	FC-2101119	8.00	Numberboard (blackw/clearletters)(NH)(#2242)	FG-2100302	2.00

*RequiresExchange
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F-3 ABA Diesel Engines

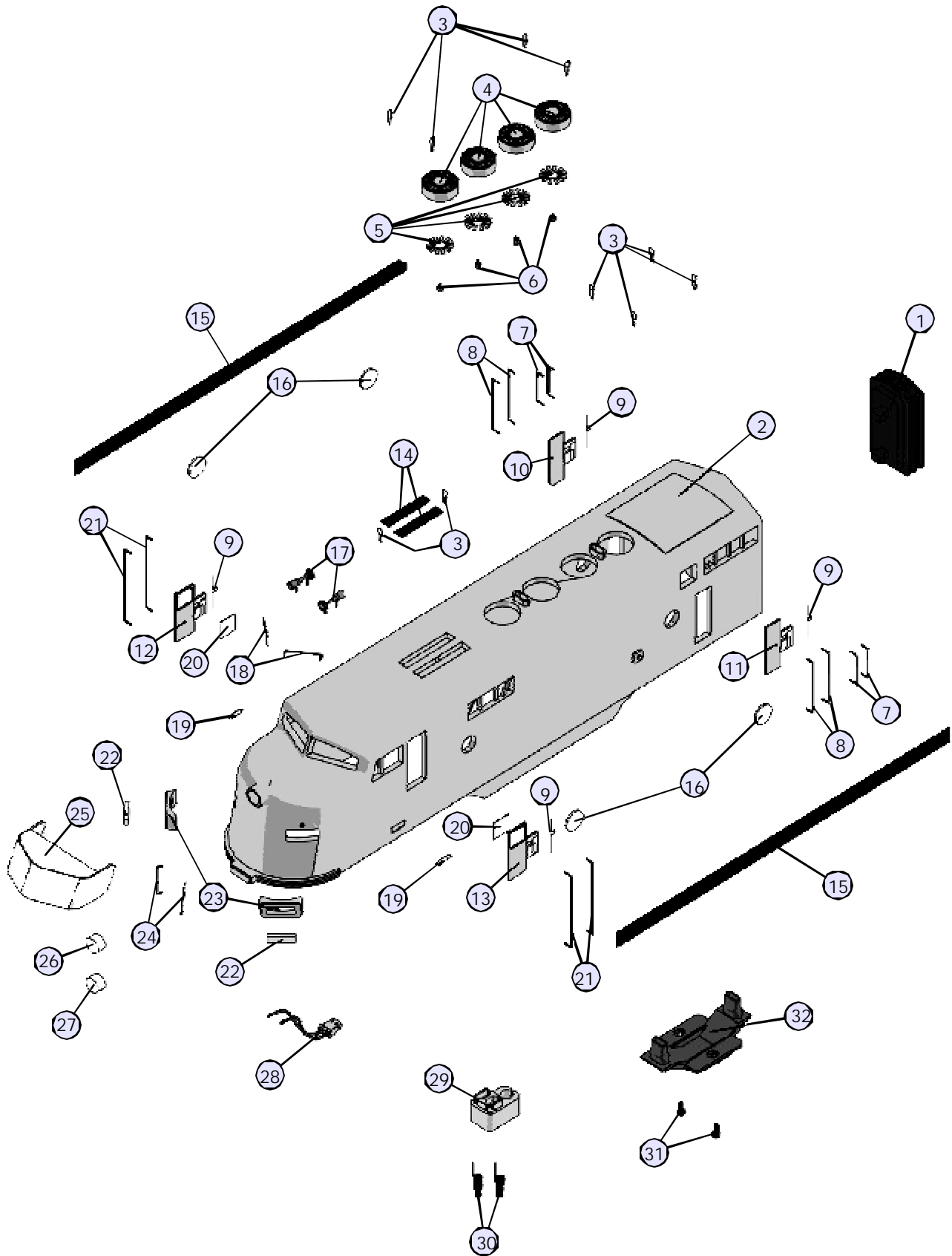
Trailing Unit Shell Parts

Name and Number	Part #	\$Price Per Unit
23.) Numberboardhousing(black) (SouthernPacific)(#6101)(#6100)	FC-2100165	4.00
Numberboardhousing(white) (Burlington)(#162)(#162-C)	FC-2101135	4.00
Numberboardhousing (flatblack)(NH)(#2242)	FC-2101136	4.00
24.) Handrail(silver) (12.0mmlong)(SouthernPacific)(#6101)(#6100)	FC-2101137	2.00
Handrail(white) (12.0mmlong)(Burlington)(#162)(#162-C)	FC-2101138	2.00
Handrail(black) (12.0mmlong)(NH)(#2242)	FC-2101139	2.00
25.) Windows (clear) (windshieldandsidewindows)	FA-2130007	6.00
26.) Lens(clear) (4.5x7.0x5.7mm)(2.5x8.2mmlenshead) (ribsforpressfit)(headlight/marslight)	FA-2130006	2.00
27.) Lens(clear)(4.0x6.2x5.2mm) (2.0x7.4mmlenshead)(ribsforpressfit) (headlight)(forenginesw/amarlight) (SouthernPacific)(#6101)(#6100) (Burlington)(#162)(#162-C)	FA-0000003	2.00
28.) L. E. D. s(red)(6v)(2) (335.0mmlongwiresw/yellowmale2pinplug)	CE-0000022	5.00
29.) Contactspringbase(black) (plastic)(for1male2pinplug)	BH-0000001	2.00
30.) Contactspring(copper)	IE-0000015	0.50
31.) Screw (M3x8.0mm)(roundhead)(self-drillingthreads)	IA-0000072	0.15
32.) Smokeunitfunnel(black) (plastic)(30.0x56.7mm)(2stacks)(2separateparts)	AA-0000054	6.00

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F-3 ABA Diesel Engines Trailing A Unit Shell Parts



F-3 ABA Diesel Engines

Trailing Unit Chassis Parts

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
1.) Rubberband	BI-4500004	0.50	28.) Bulb(clear)(6v)(1) (60.0mmlongwiresw/yellowmale2pinplug) (grainofwheat)(cablight)	CG-0000051	3.00
2.) Motor(RS-385PH) (7.8x17.0mmlongwormgear)(10.0mmlongthreads) (9.0x30.0mmlblacktaperedflywheel)	BE-0000123	25.00	29.) Bulbs(clear)(grainofwheat) (6v)(2)(60.0mmlongwiresw/redmale2pinplug)	CC-0000052	4.00
3.) Motormount(black)	BI-0000009	15.00	30.) Bulb(clear) (6v)(60.0mmlongwiresw/whitemale2pin plug) (grainofwheat)(marslight)	CB-0000004	4.00
4.) Screw(yellowZink) (M2.5x6.0mm)(roundhead)(w/lockwasher)	IA-0000001	0.15	31.) Bulb(clear)(6v)(1) (60.0mmlongwiresw/greenmale2pinplug) (grainofwheat)(back-uptlight)	CF-0000014	3.00
5.) Screw (M3x14.0mm)(roundhead)(w/lockwasher)	IA-0000012	0.15	32.) Bracket(black) (forlightsonfrontofF-3Aunit)	IH-0000071	3.00
6.) Insulator(black) (rubber)(22.0x30.0x17.0mm)(1.5mmthick)	IB-0000016	2.00	33.) Ladder(black)(truckside) FC-2100109 (SouthernPacific)(#6101)(#6100)(Bunit) (Burlington)(#162)(#162-C)(Bunit)	FC-2100124	3.00
7.) Smokeunit (PS2)(10.0x12.0x4.0x5.0mmbrasscup) (7.5mmlongmountingposts)	AA-0000057	50.00	Ladder(white) (truckside)(NH)(#2242)(Bunit)	DB-2110004	7.00
8.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15	34.) Truckside(black) (right)(leftholetappedontopformountingladder) (2axletruck)(trucksidescrawsmountfrombottom)	DB-2120004	7.00
9.) Screw (M3x3.0mm)(roundhead)	IA-0000296	0.15	35.) Truckside(black) (left)(rightholetappedontopformountingladder) (2axletruck)(trucksidescrawsmountfrombottom)	IA-0000038	0.15
10.) Bracket(black) (8.2x38.0mm)(11.0mmstep)(mountssmokeunit)	IH-0000346	4.00	36.) Screw (4/40x6.0mm)(flathead)	DG-2130030	15.00
11.) Contactspringboard (7.0x10.0x26.7mm)(2mountingholes) (2silvercontactpads)	BH-0000065	3.00	37.) Pilot(blackw/silverstripes) (2mountingholes)(SouthernPacific)(#6101)(#6100) Pilot (white) (2mountingholes)(Burlington)(#162)(#162-C) Pilot(black) (2mountingholes)(NH)(#2242)	DG-2130031	15.00
12.) Screw (4/40x4.0mm)(roundhead)	IA-0000021	0.15	38.) T-bar (black) (4.0x20.0mm)(plastic)	IG-0000001	0.50
13.) Wirestrap(black) (metal)(small)	IH-0000012	1.00	39.) Proto-Coupler®(black) (Proto-Coupler®2.0)(51.0mmlong)	DD-0000032	10.00
14.) Wireharness (blackmale10pinplug) (205.0mmlongwiresw/flatblackmale10pinplug)	BC-2100033	10.00	40.) Coupler(black) (34.5mmlong)(T-barmounting)(non-operating)	IE-0000017	0.50
15.) Ladder(black) (mountstochassis) (SouthernPacific)(#6101)(#6100)(Bunit) (Burlington)(#162)(#162-C)(Bunit) Ladder(white) (mountstochassis)(NH)(#2242)(Bunit)	FC-2100107	3.00	41.) Spring(nickel) (6.5x14.0mm)(0.5mmthickwire)	ID-0000009	0.15
16.) Wirenut(yellow)	BI-4500003	0.25	42.) Washer(black) (4.5x10.0x0.5mm)(metal)	IF-0000002	0.15
17.) Slaveboard(green) (Proto-Sound®2.0)	AC-0000011	*60.00	43.) E-clip(black) (3.0x8.0x0.5mm)	IA-0000015	0.15
18.) Insulator(white) (washer)(3.0x6.0x3.0mm)(plastic)	ID-0000025	0.15	44.) Screw(nickel) (M3x6.0mm)(roundhead)	BD-0000015	2.00
19.) Insulator(clear) (13.0x19.0x0.1mm)(singlehole)	ID-0000024	0.15	45.) Insulator(black) (top)(square)(pick-up)	DE-0000018	0.75
20.) Bracket(Aluminum) (formountingslaveboard)	IH-0000350	4.00	46.) Tractiontire(black) (rubber)(4.0x17.0mm)	IC-0000005	0.50
21.) Patchboard(20.3x27.3mm) (yellow,green, black, red&whitefemale2pinplugs)	AG-0000063	8.00	47.) Nut(nickel) (2.5x5.0x10.0mm)	BD-0000039	2.00
22.) Spacer(black) (3.0x6.0x4.3mm)(plastic)	ID-0000071	0.15	48.) Insulator(black) (pick-up)(bottom)(flatw/rect.box)(18.0x30.0mm)	BD-0000005	5.00
23.) Screw (M3x8.0mm)(roundhead)	IA-0000035	0.15	49.) Pick-up (8.0x11.0mmroller)(28.0mmlong)	DA-2000013	*30.00
24.) Engineer(blackman) Engineer(whiteman)	FI-0000030 FI-0000001	5.00 5.00	50.) Truck(black) (2axle)(powered)(2holestappedforpilot) (trucksidescrawsmountfrombottom)		
25.) Fireman/Brakeman/Conductor (whiteman) Fireman/Brakeman/Conductor (blackman)	FI-0000009 FI-0000033	5.00 5.00			
26.) Interior(detail(gray) (hasdashboardand2seats&mountingposts)	FC-2101243	10.00			
27.) Grommet(black) (cupped)(rubber)	IH-0000144	0.50			

*RequiresExchange
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F-3 ABA Diesel Engines

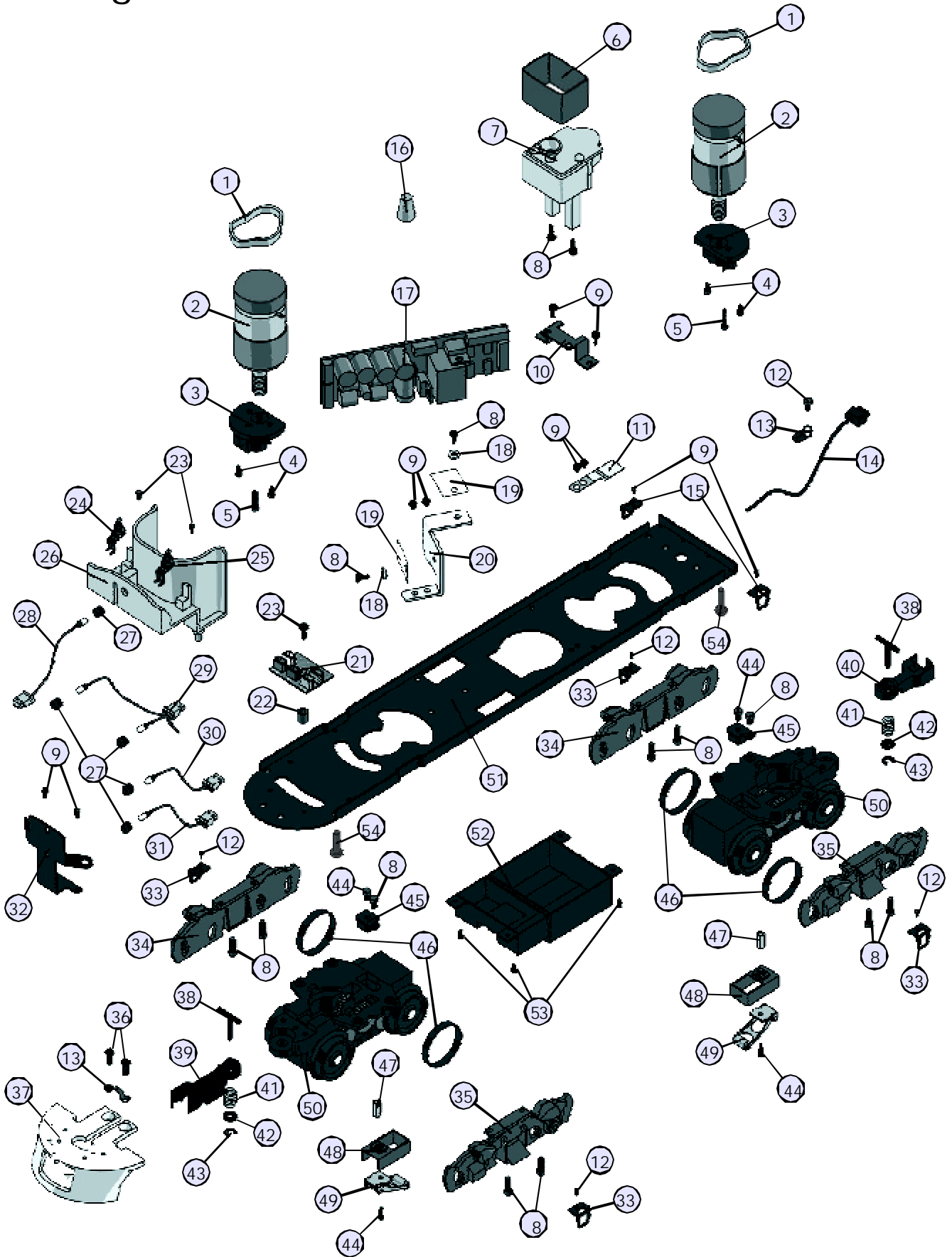
Trailing Unit Chassis Parts

Name and Number	Part #	\$Price Per Unit
51.) Chassis(black)(57.0x303.0mm)	DH-2100038	*20.00
52.) Fuel tank(black) (4holestappedformountingspeaker) (SouthernPacific)(#6101)(#6100)(Bunit) (Burlington)(#162)(#162-C)(Bunit)	FC-2101245	*20.00
Fuel tank(silver) (4holestappedformountingspeaker) (NH)(#2242)(Bunit)	FC-2101246	*20.00
53.) Screw (M3x4.0mm)(roundhead)	IA-0000010	0.15
54.) Screw (M3x16.0mm)(washerhead)(self-drilling)	IA-0000025	0.15
NS.) Wireharness (blackmale7pinplug) (90.0mmlongblack&redwires)	BC-0000166	4.00
NS.) Wireharness (blackmale5pinplug) (115.0mm&170.0mmlongyellow&whitewires)	BC-2200009	4.00
NS.) Wireharness (blackmale4pinplug) (160.0mmlongbrown,purple,green&graywires)	BC-0000167	4.00
NS.) Wireharness (blackmale8pinplug) (180.0mmlongwiresw/patchboard) (140.0mmlongwiresw/contactspringboard)	BC-2100034	15.00
NS.) Wireharness (blackmale10pinplug) (205.0mmlongwiresw/flatblackmale10pinplug)	BC-2100035	10.00
NS.) Wireharness (150.0mmlongred&blackwiresw/eyelets) (blackwireshieldonwires)(forpick-up)	BC-0000165	4.00
NS.) Wireharness (75.0mmlongwiresw/blackmale2pinplug) (blackwireshieldonwires)(forProto-Coupler®)	BC-0000116	2.00

*RequiresExchange
Allpartsarepricedaseach



F-3 ABA Diesel Engines Trailing A Unit Chassis Parts



Smoke Unit Proto-Sound® 2.0

Smoke Unit Parts

Name and Number	Part #	\$Price Per Unit
1.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15
2.) Gasket(burntorange) (forstandardsmokeunit)(25.0x37.0mm)(0.5mmthick)	IB-0000006	2.00
3.) Screw (M1.4x3.0mm)(roundhead)	IA-0000120	0.15
4.) Fan impeller(black) (plastic)(forsmokeunit)	AI-0000019	2.00
5.) Heating elements (forsmokeunit)	AI-0000018	2.00
6.) Wick (white) (forsmokeunit)(4"long)(soldasapair) (requires2wickspersmokeunit)	AA-0000001	1.00
7.) Motor (forsmokeunit)(wireharnessnotincluded)	BE-0000041	5.00

All parts are priced as each

