



# F-3

**Powered A-unit**

30-4043-1a

30-4043-0a



# F-3 Powered A-unit

## Engine Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Diaphragm ( 3 rib ) (26.0x50.0x10.0mm)(2 center mount arrowhead tabs)	FI-0000027	2.00	35.) Battery leads ( 195.0mm long wires )( 2 pin black male plug ) ( Proto-Sound 2.0 )	BC-0000075	5.00
2.) Shell ( Santa Fe ) ( red, silver, black, yellow )	FC-2200021	*65.00	36.) Battery	BG-4000001	9.95
3.) Lens ( portal )( clear ) ( 9.3X8.3X1.7mm )	FA-2260001	2.00	37.) Bracket (9.3x46.0x34.4mm) ( battery )( black )( metal )( horizontal mount )	IH-0000165	3.00
4.) Horn ( chrome )( 1 chime )	FC-2200010	3.00	38.) Screw ( 4/40x6.0mm )( flathead )	IA-0000038	0.15
5.) Reflective tape ( 26.0x16.0mm )	CI-0000027	1.00	39.) Pilot ( silver )( front ) ( 2 mounting holes & split in the middle )	DG-2230001	15.00
6.) Number board ( #16 ) ( white numbers on black background )( sticker )	FG-2200004	0.25	40.) Chassis ( black )( A unit ) ( Proto-Sound 2.0® & Loco-Sound® )	DD-2200001	*15.00
7.) Lens ( headlight )( clear ) ( 7.7x6.7x4.5mm )	FA-2230009	2.00	41.) Speaker ( Unison ) ( U4516BC1, 16 ohms, 0.7 watts )	BF-0000013	8.95
8.) Window (clear)(front & sides)	FA-2230008	5.00	42.) Screw ( M3x16.0mm )( washer head )( self-drilling )	IA-0000025	0.15
9.) Rubber band	BI-4500004	0.50	43.) T-bar	IG-0000001	0.50
10.) Tach board	AG-0000033	6.00	44.) Proto-Coupler 2.0® ( 44.5mm long )	DD-0000033	10.00
11.) Motor ( RS-365SH ) ( 8.0x17.0mm worm gear w/ 10.5mm long threads ) ( 9.0x30.0mm black tapered flywheel ) ( w/tach board mount )	BE-0000071	25.00	45.) Spring ( 6.5x14.0mm )( 0.5mm thick wire )	IE-0000022	0.50
12.) Boards (Proto-Sound 2.0®)	AE-0000001	*200.00	46.) Washer ( 4.5x10.0x0.6mm )	ID-0000041	0.15
13.) Motor ( RS-365SH ) ( 8.0x17.0mm worm gear w/10.5mm long threads ) ( 9.0x30.0mm black tapered flywheel )	BE-0000019	25.00	47.) E-clip ( 3.0x8.0x0.5mm )	IF-0000002	0.15
14.) Bulb ( 6V )( small globe ) ( bayonet base )( headlight/cab interior )	CG-0000024	1.00	48.) Truck ( powered )( 2 axle ) ( threaded screw holes for mounting PCB )	DA-2000011	*30.00
15.) Socket ( black )( plastic )( 7.0mm thick bayonet base )	CH-0000037	3.00	49.) Insulator ( black )( plastic ) ( pick-up )( top )( square )	BD-0000047	2.00
16.) Screw ( M3x6.0mm )( roundhead )	IA-0000016	0.15	50.) Traction tire	DE-0000018	0.75
17.) Motor mount ( black )	BI-0000005	15.00	51.) Nut ( 2.5x5.0x10.0mm )	IC-0000005	0.50
18.) Speaker cone ( black ) ( cardboard )( 48.0x50.0x11.0mm )	BF-0000012	2.00	52.) Insulator ( black )( plastic ) ( pick-up )( bottom )( square )	BD-0000039	2.00
19.) Screw ( 4/40x12.0mm )( roundhead )	IA-0000264	0.15	53.) Pick-up ( 8.0x11.0mm roller )( 28.0mm long )	BD-0000025	5.00
20.) Screw ( M3x4.0mm )( roundhead )	IA-0000010	0.15	54.) Truck side ( silver )	BD-2050001	7.00
21.) Screw ( yellow Zinc ) ( M2.5x6.0mm )( roundhead )( w/ lock washer )	IA-0000089	0.15	55.) Screw ( M2x18.0mm )( roundhead )	IA-0000095	0.15
22.) Screw ( M3x14.0mm )( roundhead )( w/ lock washer )	IA-0000012	0.15	56.) Wire harness ( 125.0mm long wires )( w/10 pin PCB )	BC-0000082	8.00
23.) Screw ( 4/40x8.0mm )( roundhead )	IA-0000011	0.15	57.) Spacer ( black )( metal )( 2.0x4.5x14.5mm )	ID-0000050	0.50
24.) Bracket ( aluminum ) ( for Proto-Sound 2.0® boards )	IH-0000163	3.00	58.) Truck ( powered )( 2 axle )	DA-2000012	*30.00
25.) Tach tape ( fits 30.0mm flywheel )( black & white striped tape )	BE-0000069	1.00	59.) Screw ( nickel ) ( M3x6.0mm )( roundhead )	IA-0000015	0.15
26.) Insulator washer ( white ) ( 3.0x6.0x3.0mm )	ID-0000025	0.15	60.) Screw ( 4/40x6.0mm )( roundhead )	IA-0000003	0.15
27.) Voltage regulator ( LM2937ET )	AG-0000032	3.00	NS.) Wire harness ( 7 pin black plastic male plug )	BC-1200014	7.00
28.) Volume pot ( small ) ( blue pot mounted on green PC board )	BI-0000040	5.00	NS.) Wire harness ( 5 pin male plug )	BC-1200015	5.00
29.) Spacer ( black ) ( 3.0x6.0x4.0mm )( plastic )	ID-0000071	0.15	NS.) Wire harness ( 2 pin white plastic male plug ) ( wires connect to speaker )	BC-1200022	2.00
30.) Insulator ( clear ) ( 13.0x16.0x0.1mm )( single hole )	ID-0000024	0.15	NS.) Wire harness ( 2pin black plastic male plug )	BC-1200027	2.00
31.) Switch ( small )( SPDT )	BB-0000009	5.00	NS.) Wire harness ( 12pin black plastic male plug )	BC-1200030	12.00
32.) Screw ( M2x4.0mm )( roundhead )	IA-0000058	0.15			
33.) Bracket ( speaker )( brass ) ( 3.0mm high )( 10.0x9.2mm )	IH-0000164	1.00			
34.) Wire nut ( yellow )	BI-4500003	0.25			

### Loco-Sound Parts®

41.) Speaker ( Unison ) ( U4508BSR, 8 ohms, 0.9 watts )	BF-4500013	8.95
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\*Requires Exchange

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45.) Spring ( 6.5x9.0mm )( 0.4mm thick wire )	IE-0000009	0.50
46.) Washer ( black )( plastic ) ( 4.6x8.5x0.5mm )( cup shaped for spring to fit in )	ID-0000060	0.15
NS.) Coupler ( mechanical )( 44.0mm long )	DD-0000003	3.00
NS.) Armature ( 37.8mm long )	DD-0000010	1.00
NS.) Board ( Loco Sound® )	AE-0000002	*100.00
NS.) Bracket ( aluminum ) ( Loco Sound® board )	IH-0000166	3.00
NS.) Wire harness ( 7 pin black plastic male plug )	BC-1200014	7.00
NS. Wire harness ( 5 pin male plug )	BC-1200015	5.00
NS.) Wire harness ( 2 pin white plastic male plug ) ( wires connect to speaker )	BC-1200022	2.00
NS.) Wire harness ( 12 pin black male plug )	BC-1200031	12.00

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All parts are priced as each

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