

RAILKING[®]
By M.T.H. Electric Trains

30-4073-1a
30-4073-0a

F-3 A Unit Diesel Engine



GL100202

F-3 A Unit Diesel Engine

Engine Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Diaphragm (black)(3 rib) (26.0x50.0x10.0mm)(2 center mount tabs)	FI-0000027	2.00	34.) Wire nut (yellow)	BI-4500003	0.25
2.) Shell (black, yellow, green) (John Deere)	FC-2200375	*65.00	35.) Battery leads (60.0mm long wires w/ small black male 2 pin plug) (80.0mm long wires w/ battery charger jack)	BC-0000189	6.00
3.) Lens (clear) (portal)(9.3x8.3x1.7mm)	FA-2260001	2.00	36.) Battery (8.4 volts)(re-chargable)(nickel-cadium)	BG-4000001	10.00
4.) Horn (nickel)(1 chime)	FC-2200010	3.00	37.) Bracket (black)(metal) (9.3x46.0x34.4mm)(horizontal mount)(battery)	IH-0000165	3.00
5.) Battery charger jack (complete)	BG-0000001	3.00	38.) Screw (4/40x6.0mm)(flathead)	IA-0000038	0.15
6.) Number board (#4010) (white numbers on black background)(sticker) (John Deere)(#4010)	FG-2200104	0.25	39.) Pilot (black)(front) (2 screw holes for mounting pilot)	DG-2230026	15.00
7.) Lens (clear) (headlight)(7.7x6.7x4.5mm)	FA-2230009	2.00	40.) Chassis (black)(A unit) (Proto-Sound® 2.0 & Loco-Sound™) (w/ holes for battery charger jack)	DH-2200079	*20.00
8.) Windows (clear)(front & sides)	FA-2230008	5.00	41.) Speaker (Star)(NR-045-A1Z04)(16 ohms)(2.0 watt)	BF-0000031	10.00
9.) Rubber band	BI-4500004	0.50	42.) Screw (M3x16.0mm)(washer head)(self-drilling)	IA-0000025	0.15
10.) Tach board (standard)(for Proto-Sound 2.0® and Loco-Sound™)	AG-0000033	6.00	43.) T-bar (black) (4.0x20.0mm)(plastic)	IG-0000001	0.50
11.) Motor (RS-365SH) (7.8x17.0mm worm gear w/ 10.5mm long threads) (9.0x30.0mm white tapered flywheel w/ black stripes) (w/ tach board mount)	BE-0000142	25.00	44.) Proto-Coupler® (Proto-Coupler® 2.0)(44.5mm long)	DD-0000033	10.00
12.) Boards (Proto-Sound® 2.0) (Proto-Sound® 2.0)(w/ Rom memory)(5v board)	AE-0000001	*200.00	45.) Spring (nickel) (6.5x14.0mm)(0.5mm thick wire)	IE-0000022	0.50
13.) Motor (RS-365SH) (7.8x17.0mm worm gear w/ 10.5mm long threads) (9.0x30.0mm black tapered flywheel)	BE-0000143	25.00	46.) Washer (4.5x10.0x0.6mm)	ID-0000041	0.15
14.) Bulb (6v)(small globe) (bayonet base)(headlight/cab interior)	CG-0000024	1.00	47.) E-clip (3.0x8.0x0.5mm)	IF-0000002	0.15
15.) Socket (black)(plastic)(7.0mm thick bayonet base)	CH-0000037	3.00	48.) Truck (black)(2 axle) (powered)(2 holes tapped for mounting pilot) (2 M2.5 holes tapped for mounting PCB under coupler) (truck sides mount from bottom)	DA-2000030	*30.00
16.) Screw (M3x6.0mm)(roundhead)	IA-0000016	0.15	49.) Insulator (black) (pick-up)(plastic)(top)(square)	BD-0000047	2.00
17.) Motor mount (black)	BI-0000005	15.00	50.) Traction tire (black) (rubber)(4.0x17.0mm)	DE-0000018	0.75
18.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15	51.) Nut (nickel)(2.5x5.0x10.0mm)	IC-0000005	0.50
19.) Screw (6/32x12.0mm)(roundhead)	IA-0000062	0.15	52.) Insulator (black) (pick-up)(plastic)(bottom)(square)	BD-0000039	2.00
20.) Screw (M3x4.0mm)(roundhead)	IA-0000010	0.15	53.) Pick-up (8.0x11.0mm roller)(28.0mm long)	BD-0000025	5.00
21.) Screw (yellow Zinc) (M2.5x6.0mm)(roundhead)(w/ lock washer)	IA-0000089	0.15	54.) Truck side (black) (fits 2 axle truck)(truck side screws mount from bottom)	DB-2150002	7.00
22.) Screw (M3x14.0mm)(roundhead)(w/ lock washer)	IA-0000012	0.15	55.) Screw (M2x4.0mm)(roundhead)	IA-0000058	0.15
23.) Screw (M3x8.0mm)(roundhead)	IA-0000035	0.15	56.) Wire harness (black flat male 4 pin plug w/ 130.0mm long wires) (w/ black female 4 pin plug on PC board)	BC-0000190	10.00
24.) Bracket (Aluminum) (for Proto-Sound® 2.0 boards) (mounts boards sideways)	IH-0000385	4.00	57.) Spacer (black)(hexagon shaped) (25.0mm long)(4.0mm long M2.5 screw on one end) (M2 tapped hole on the other end)	ID-0000121	1.00
25.) Wire strap (black)(metal)(small)	IH-0000012	1.00	58.) Truck (black)(powered) (2 axle)(2 holes tapped for mounting pilot) (truck sides mount from bottom)	DA-2000012	*30.00
26.) Insulator (white) (washer)(3.0x6.0x3.0mm)(plastic)	ID-0000025	0.15	59.) Screw (nickel) (M3x6.0mm)(roundhead)	IA-0000015	0.15
27.) Voltage regulator (LM2937ET)	AG-0000032	3.00	60.) Gasket (black)(foam) (39.0x45.0x2.0mm)(for 45.0mm speakers)	IB-0000013	1.00
28.) Volume pot (small) (blue pot mounted on green PC board)	BI-0000040	5.00	61.) Screw (M3x3.0mm)(roundhead)	IA-0000296	0.15
29.) Spacer (black) (3.0x6.0x4.0mm)(plastic)	ID-0000071	0.15	NS.) Speaker cone (cardboard) (18.0x48.5mm)(has top on cone)(3 notches)	BF-0000032	2.00
30.) Insulator (clear) (13.0x16.0x0.1mm)(single hole)	ID-0000024	0.15			
31.) Switch (large)(2 position)	BB-0000006	5.00			
32.) Screw (M2x4.0mm)(roundhead)	IA-0000058	0.15			
33.) Bracket (brass)(speaker) (6.0x8.5x1.0mm)(rounded corners on one end)	IH-0000372	1.00			

*Requires Exchange

All parts are priced as each



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NS.) Bracket (black)(metal) (8.0x62.5mm)(18.5mm step)(2 mounting holes) (mounts speaker cone)	IH-0000386	3.00
NS.) Screw (M3x3.0mm)(roundhead) (mounts speaker cone bracket to chassis)	IA-0000296	0.15
NS.) Wire harness (black male 7 pin plug) (215.0mm long wires w/ standard tach board) (60.0mm long red & black wires)	BC-0000191	8.00
NS. Wire harness (black male 5 pin plug)(for motors) (200.0mm & 90.0mm long yellow & white wires)	BC-0000192	5.00
NS.) Wire harness (for speaker) (110.0mm long wires w/ white male 2 pin plug)	BC-0000138	3.00
NS.) Wire harness (90.0mm long wires w/ black male 2 pin plug) (black wire shield on wires)(for Proto-Coupler®)	BC-1100008	4.00
NS.) Wire harness (125.0mm long red & black wires w/ eyelets) (has black wire shield on wires) (power supply from pick-ups)	BC-0000193	4.00
NS.) Wire harness (black male 12 pin plug) (115.0mm long wires w/ small volume pot) (65.0mm long black wire w/ black female 2 pin plug) (90.0mm long brown wire w/ large switch) (60.0mm long wires w/ white female 2 pin plug) (100.0mm long green wire w/ black female 4 pin plug) (165.0mm long light blue wire)	BC-2200075	16.00

Loco-Sound™ Only Parts

41.) Speaker (Unison) (U4508BSR, 8 ohms, 0.9 watts)	BF-4500013	8.95
45.) Spring (nickel) (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 (black) (mechanical)(44.0mm long)	DD-0000003	3.00
NS.) Armature (black) (37.8mm long)	DD-0000010	1.00
NS.) Board (Loco-Sound®)(DIESEL/ELECTRIC)	AE-0000002	*100.00
NS.) Bracket (Aluminum) (14.0x63.0mm)(24.0mm step) (for mounting Loco-Sound® board)	IH-0000387	3.00
NS. Wire harness (black male 5 pin plug)(for motors) (170.0mm & 170.0mm long yellow & white wires)	BC-0000194	5.00
NS.) Wire harness (black male 12 pin plug) (115.0mm long wires w/ small volume pot) (50.0mm long wires w/ white female 2 pin plug) (170.0mm long light blue wire) (140.0mm long purple wire)	BC-2200076	12.00

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