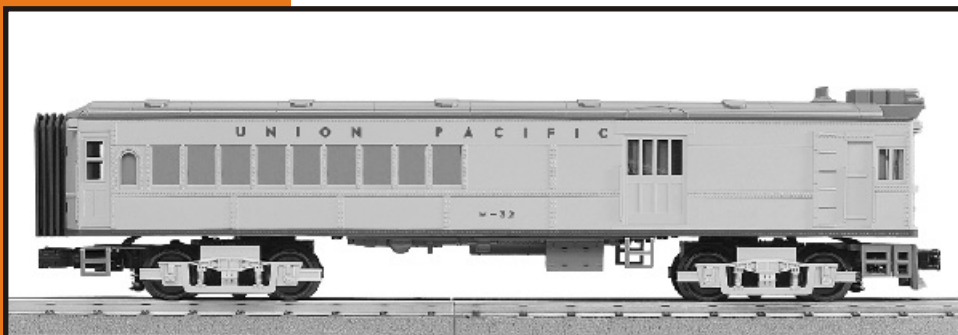


**RAIL KING**  
By M.T.H. Electric Trains

# Doodle Bug

30-2190-1  
30-2190-0  
30-2191-1  
30-2191-0



Rev.082100



# Doodle Bug

## Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Diaphragm ( 2 rib )	FI-0000026	2.00	34.) Screw	IA-0000016	0.15
2.) Shell ( maroon )	FC-2200182	*50.00	( M3X6.0mm )( roundhead )		
( Boston & Maine )( # 181 )			35.) Spacer	ID-0000071	0.15
2.) Shell ( yellow & gray )	FC-2200183	*50.00	( 3.0X6.0X4.0mm )( plastic )		
( Union Pacific )( # M-32 )			36.) Screw	IA-0000035	0.15
3.) Bell ( nickel )	FB-1200101	6.00	( M3X8.0mm )( roundhead )		
4.) Lens ( headlight )	FA-2200010	2.00	37.) Volume pot	BI-0000040	5.00
5.) Window ( front )	FA-2230016	2.00	( small volume pot )		
6.) Bulb ( 6V )	CA-0000031	2.00	38.) Battery	BG-4000001	9.95
( blue wires )( grain of wheat )( 90.0mm long wires )			39.) Speaker cone	BF-0000008	4.00
7.) Contact spring base	BH-0000001	1.00	( plastic )( black )		
8.) Contact spring	IE-0000015	0.50	40.) Proto-Sound 2.0® boards	AE-0000001	*200.00
9.) Interior detail	FC-2200106	4.00	41.) Bracket ( battery )	IH-0000108	3.00
10.) L.E.D.s ( green )( 6V )	CC-0000027	4.00	42.) Window ( side )( small )	FA-2230017	2.00
( 100.0mm long wires )			43.) Window ( side )( large )	FA-2230018	2.00
11.) Interior detail	FC-2200115	10.00	44.) L.E.D.s ( red )( 6V )	CC-0000028	4.00
12.) Socket	CH-0000018	1.00	( 100.0mm long wires )		
13.) Bulb ( w/ base )( gray )( 12V)	CG-0000018	1.00	45.) Interior detail	FC-2200107	3.00
( base has a overhang over the bulb )			46.) Battery leads	BC-0000057	5.00
14.) Screw	IA-0000009	0.15	( 195.0mm long wires )		
( M3X14.0mm )( flathead )( self-drilling )			47.) Interior detail w/seats	FC-2200114	*10.00
15.) Screw	IA-0000072	0.15	48.) Wire nut ( yellow )	BI-4500003	0.25
( M3X8.0mm )( roundhead )( self-drilling )			49.) Contact board	BH-0000030	2.00
16.) Chassis ( black )	DH-2200043	*15.00	50.) Screw	IA-0000025	0.15
17.) Contact Board	BH-0000029	2.00	( M3X16.0mm )( washer head )( self-drilling )		
18.) Screw	IA-0000296	0.15	51.) Screw	IA-0000003	0.15
( M3X3.0mm )( roundhead )			( 4/40X6.0mm )( roundhead )		
19.) Step ( black )	FC-2200116	3.00	52.) Undercarriage detail	FC-2200185	*10.00
( Boston & Maine )( # 181 )			( black )( Boston & Maine )( # 181 )		
19.) Step ( gray )	FC-2200184	3.00	52.) Undercarriage detail	FC-2200186	*10.00
( Union Pacific )( # M-32 )			( gray )( Union Pacific )( # M-32 )		
20.) Screw	IA-0000022	0.15	53.) Screw ( nickel )	IA-0000015	0.15
( M2.5X3.0mm )( roundhead )			( M3X6.0mm )( roundhead )		
21.) Screw	IA-0000012	0.15	54.) Steps ( rear )( black )	DG-2240004	8.00
( M3X14.0mm )( roundhead )( w/ lock washer )			( Boston & Maine )( # 181 )		
22.) Screw ( yellow zink )	IA-0000166	0.15	54.) Steps ( rear )( gray )	DG-2240008	8.00
( M2.5X6.0mm )( roundhead )			( Union Pacific )( # M-32 )		
23.) Motor mount	BI-0000009	15.00	55.) T-Bar	IG-0000001	0.50
24.) Motor ( RS-365SH )	BE-0000062	25.00	56.) Proto-Coupler 2.0®	DD-0000032	10.00
( 8.0X17.0mm long worm gear )			( 51.0mm long )		
( w/ 12.0mm long threads )			57.) Proto-Coupler 2.0®	DD-0000033	10.00
( 9.0X30.0mm tapered flywheel )			( 44.5mm long )		
( flywheel has white lines )(motor has bracket for tach )			58.) Spring	IE-0000022	0.50
25.) Motor ( RS-365SH )	BE-0000063	25.00	( 6.5X14.0mm )( w/ 0.5mm thick wire )		
( 8.0X17.0mm long worm gear )			59.) Washer	ID-0000009	0.15
( w/ 12.0mm long threads )			( 4.5X10.0X0.5mm )		
( 9.0X30.0mm tapered flywheel )			60.) E-clip	IF-0000002	0.15
26.) Rubber band	BI-4500004	0.50	( 3.0X8.0X0.5mm )		
27.) Tach board	AG-0000033	6.00	61.) Truck ( powered )( 2 axle )	DA-2000008	*30.00
28.) Bracket	IH-0000225	3.00	62.) Insulator ( pick-up )( top )	BD-0000015	2.00
( Proto-Sound 2.0® board )			63.) Truck side ( black )	DB-2060009	7.00
29.) Screw	IA-0000264	0.15	( Boston & Maine )( # 181 )		
( 4/40X12.0mm )( roundhead )			63.) Truck side ( silver )	DB-2060012	7.00
30.) Speaker ( Cuistack )	BF-0000007	8.95	( Union Pacific )( # M-32 )		
( GF0501, 16 ohms, 0.25 watt )			64.) Screw	IA-0000010	0.15
31.) Insulator ( 13.0X16.0mm )	ID-0000024	0.15	( M3X4.0mm )( roundhead )		
32.) Voltage regulator	AG-0000032	3.00			
( LM2937ET )					
33.) Insulator washer	ID-0000025	0.15			
( 3.0X6.0X3.0mm )					

\*Requires Exchange

All parts are priced as each

# Doodle Bug

## Parts

Name and Number	Part #	\$Price Per Unit
65.) Traction tires	DE-0000018	0.75
66.) Screw ( 4/40X6.0mm )( flathead )	IA-0000038	0.15
67.) Pilot ( front )( black ) ( Boston & Maine )( # 181 )	DG-2130010	15.00
67.) Pilot ( front )( gray ) ( Union Pacific )( # M-32 )	DG-2130014	15.00
68.) Nut ( nickel ) ( 2.5X5.0X10.0mm )	IC-0000005	0.50
69.) Insulator ( pick -up )( bottom )	BD-0000039	2.00
70.) Pick-up ( 8.0mm roller ) ( 28.0mm long )	BD-0000025	5.00
NS.) Wire harness ( 12 pin plug ) ( brown, blue, black, yellow, white, gray, red wires )	BC-0000062	8.00
NS.) Wire harness ( 8 pin plug ) ( red, orange, black wires )	BC-0000063	6.00
NS.) Wire harness ( 7 pin plug ) ( blue, orange, gray, black, red wires )	BC-0000064	6.00
NS.) Wire harness ( 5 pin plug ) ( yellow & white wires )	BC-0000065	6.00

## Loco Sound® only

16.) Chassis ( black )	DH-2200044	*15.00
18.) Screw ( bracket mounting ) ( M3X3.0mm )( roundhead )	IA-0000296	0.15
28.) Bracket ( Loco Sound® board )	IH-0000226	3.00
29.) Screw ( 4/40X6.0mm ) ( roundhead )( Loco Sound® board mounting )	IA-0000003	0.15
40.) Loco Sound® board ( diesel/electric )	AE-0000002	*100.00
56.) Coupler ( mechanical ) ( 51.0mm long )	DD-0000011	3.00
NS.) Armature ( 45.0mm long )	DD-0000012	1.00
57.) Coupler ( mechanical ) ( 44.0mm long )	DD-0000009	3.00
58.) Spring ( 6.5X11.0mm )( w/ 0.4mm thick wire )	IE-0000007	0.50
59.) Washer ( plastic )( black ) ( cup shaped for spring to fit in )( 4.6X8.6X2.0mm ) ( inside 7.0X1.1mm )	ID-0000060	0.15
NS.) Armature ( 37.8mm long )	DD-0000010	1.00
NS.) Insulator washer ( 3.0X6.0X3.0mm )( Loco Sound® board mounting )	ID-0000025	0.15
NS.) Insulator ( 13.0X16.0mm ) ( Loco Sound® board mounting )	ID-0000024	0.15
NS.) Wire harness ( 12 pin plug ) ( blue, yellow, white, gray, red wires )	BC-0000066	8.00
NS.) CV board	AG-0000034	15.00
NS.) Screw ( M3X5.0mm ) ( roundhead )( CV board mounting )	IA-0000114	0.15

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