

RAIL KING[®]
By M.T.H. Electric Trains

30-2242-1

30-2243-1

30-2244-1

30-2245-1

PA AA Units

Diesel Engine Set



GL071102



PA A Unit (lead) Diesel Engine

Engine Parts

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
1.) Diaphragm(black) (3rib)(26.0x50.0x10.0mm)(notchedtopcorners) (2centermountingplugs)(rubber)	FI-0000017	2.00	16.) Screw (M3x16.0mm)(washerhead)(self-drilling)	IA-0000025	0.15
2.) Shell (darkgray,lightgray,white) (poweredAunit)(NYC)(#4208)	FC-2200352	*85.00	17.) Chassis(black) (poweredAunit)(57.0x330.0mm)(stampedmetal) (holes forbatterychargerjack)	DH-2200076	*20.00
Shell(red,yellow,white) (poweredAunit)(MKT)(#154A)	FC-2200353	*85.00	18.) Rubberband	BI-4500004	0.50
Shell(Tuscanred,gold) (poweredAunit)(PRR)(#5752)	FC-2200354	*85.00	19.) Motor(RS-365SH) (7.9x24.0mmwormgearw/13.0mmlongthreads) (9.0x30.0mmblacktaperedflywheel)	BE-0000094	25.00
Shell(gray,blue,white) (poweredAunit)(Wabash)(#1050)	FC-2200355	*85.00	20.) Motor(RS-365SH) (7.9x24.0mmwormgearw/13.0mmlongthreads) (9.0x30.0mmwhite&blacktaperedflywheel) (w/blackplastictachboardbracket)	BE-0000135	25.00
3.) Lens(clear)(portal/headlight) (3.7x5.6x2.0mm)(0.8x6.6mmlenshead) (6ribsforpressfit)	FA-0000092	2.00	21.) Motormount(black) (forRK3axletruck)	BI-0000029	15.00
4.) Airhorns(nickel)(2chime)	FC-2200254	3.00	22.) Screw(yellowZinc) (M2.5x6.0mm)(roundhead)(w/lockwasher)	IA-0000001	0.15
5.) Windows (clear) (windshieldandsidewindows)	FA-2230019	5.00	23.) Screw (M3x14.0mm)(roundhead)(w/lockwasher)	IA-0000012	0.15
6.) Numberboard(sticker) (blackbackgroundw/whiteletters)(NYC)(#4208)	FG-2200088	0.50	24.) Screw (M3x6.0mm)(roundhead)	IA-0000016	0.15
Numberboard(sticker) (blackbackgroundw/whiteletters)(MKT)(#154A)	FG-2200089	0.50	25.) Insulator(white) (washer)(3.0x6.0x3.0mm)(plastic)	ID-0000025	0.15
Numberboard(sticker) (blackbackgroundw/whiteletters)(PRR)(#5752)	FG-2200090	0.50	26.) Voltageregulator (LM2937ET)	AG-0000032	3.00
Numberboard (blackbackgroundw/whiteletters) (sticker)(Wabash)(#1050)	FG-2200091	0.50	27.) Insulator(clear) (13.0x19.0x0.1mm)(singlehole)	ID-0000024	0.15
7.) Screw (4/40x3.0mm)(roundhead)	IA-0000275	0.15	28.) Screw (M2x4.0mm)(roundhead)	IA-0000058	0.15
8.) Bracket(black) (metal)(12.0x35.5mm)(L-shaped)(forheadlight)	IH-0000252	3.00	29.) Batterychargerjack (complete)	BG-0000001	3.00
9.) Grommet(black) (cupped)(rubber)	IH-0000144	0.50	30.) Speakercone(black) (plastic)(11.0x38.0mm)(shavedon2sides)	BF-0000014	2.00
10.) Bulb(clear)(6v)(1) (60.0mmlongwiresw/bluemale2pinplug) (grainofwheat)(headlight) (NYC)(#4208)(#4211)(PRR)(#5752)(#5754)	CA-0000028	3.00	31.) Bracket(Aluminum) (15.0x38.0mm)(16.5mmstep) (forProto-Sound®2.0boards)(tappedfor6/32screw)	IH-0000327	4.00
Bulb(clear)(6v)(1)(marslight) (60.0mmlongwiresw/whitemale2pinplug) (grainofwheat)(MKT)(#154A)(#157C) (Wabash)(#1050)(#1051)	CB-0000004	4.00	32.) Screw (6/32x12.0mm)(roundhead)	IA-0000103	0.15
11.) Bulb(clear)(6v)(1)(headlight) (60.0mmlongwiresw/bluemale2pinplug) (grainofwheat)(MKT)(#154A)(#157C) (Wabash)(#1050)(#1051)	CA-0000028	3.00	33.) Boards(Proto-Sound®2.0) (w/Romemory)(5vboard)	AE-0000001	*200.00
12.) Wirenut(yellow)	BI-4500003	0.25	34.) Tachboard(green) (standard)(forProto-Sound2.0®andLoco-Sound™)	AG-0000033	6.00
13.) Screw (4/40x6.0mm)(flathead)	IA-0000038	0.15	35.) Bracket(black) (metal)(5.0x23.7x35.0mm)(25.5mmstep) (supportsendofProto-Sound2.0®boards)	IH-0000371	3.00
14.) Wirestrap(black) (metal)(small)	IH-0000012	1.00	36.) Screw (M3x8.0mm)(roundhead)	IA-0000035	0.15
15.) Pilot(dark gray) (2screwholesformountingpilot) (NYC)(#4208)(#4211)	DG-2230022	15.00	37.) Volumepot (smallvolumepot)(bluew/greenboard)	BI-0000040	5.00
Pilot(red,yellow) (2screwholesformountingpilot) (MKT)(#154A)(#157C)	DG-2230023	15.00	38.) Spacer(black) (3.0x6.0x4.3mm)(plastic)	ID-0000071	0.15
Pilot(Tuscanred) (2screwholesformountingpilot) (PRR)(#5752)(#5754)	DG-2230024	15.00	39.) Batteryleads (140.0mmlongwiresw/smallblack2pinmaleplug) (210.0mmlongwiresw/batterychargerjack)	BC-0000129	6.00
Pilot(blue,white) (2screwholesformountingpilot) (Wabash)(#1050)(#1051)	DG-2230025	15.00	40.) Battery(white) (8.4volts)(re-chargable)(nickel-cadium)	BG-4000001	10.00
			41.) Bracket(black) (battery)(verticalmount)(plastic)	IH-0000042	4.00
			42.) Wireharness (blackmale12pinplug) (PCboardw/blackfemale10pinplug)	BC-2200068	20.00

*RequiresExchange

Allpartsarepricedaseach



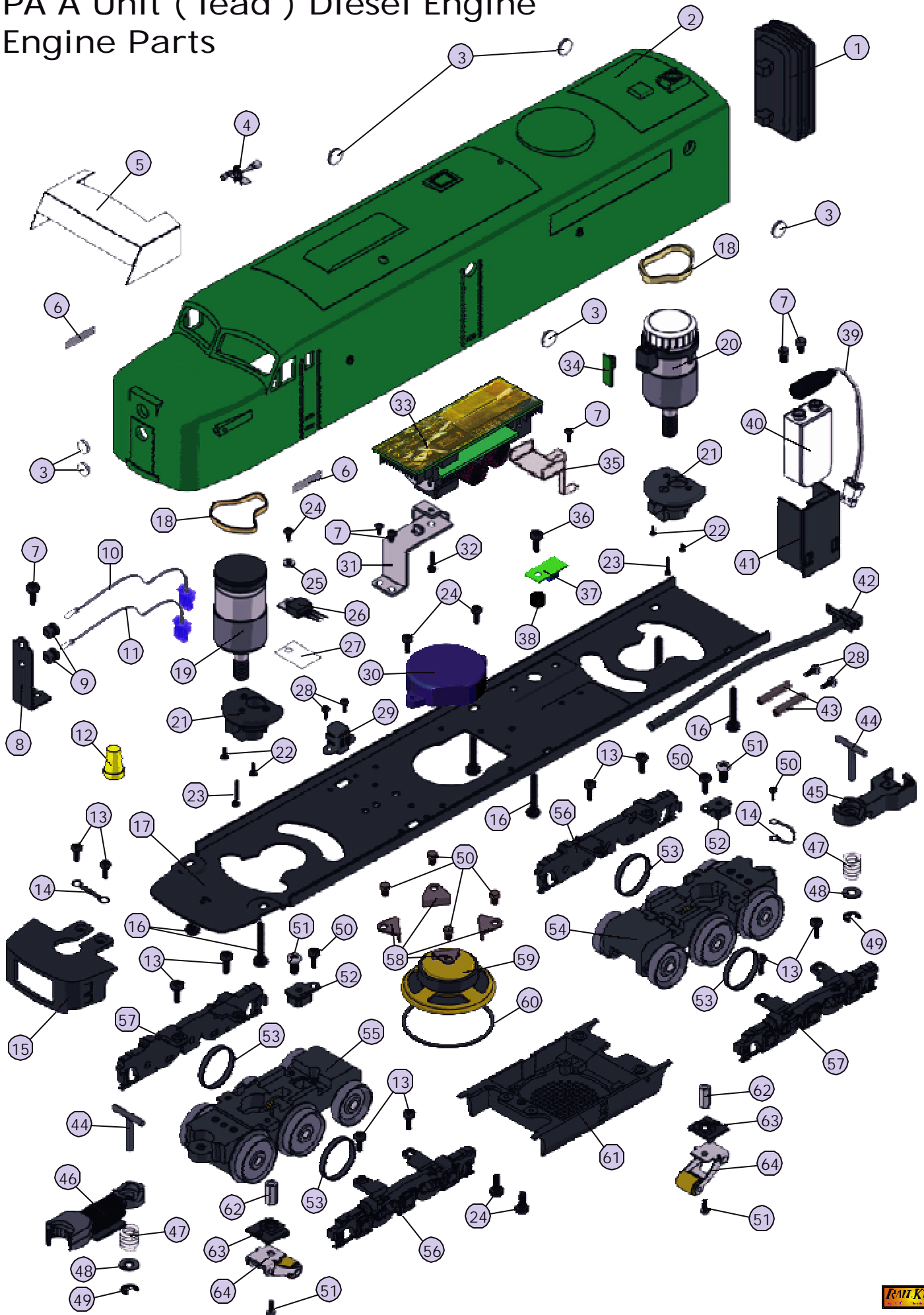
PA A Unit (lead) Diesel Engine

Engine Parts

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
43.) Spacer(black) (hexagon shaped)(14.5mmlong) (4.0mmlongM2.5screwononeend) (M2tappedholeontheotherend)	ID-0000113	1.00	62.) Nut(nickel)(2.5x5.0x7.0mm)	IC-0000008	0.50
44.) T-bar (black)(plastic)	IG-0000001	0.50	63.) Insulator(black) (pick-up)(bottom)(square)(flat)	BD-0000006	2.00
45.) Coupler(black) (non-operating)(34.5mmlong)(T-barmounting) (cutdownnto6.5mmthick)	DD-0000047	3.00	64.) Pick-up (8.0x11.0mmlong)(24.0mmlong)	BD-0000013	5.00
46.) Proto-Coupler®(black) (Proto-Coupler®2.0)(51.0mmlong)	DD-0000032	10.00	NS.) Wireharness (150.0mmlongred&blackwiresw/eyelets) (blackwireshieldonwires)(forpick-up)	BC-0000165	4.00
47.) Spring(nickel) (6.5x14.0mm)(w/0.5mmthickwire)	IE-0000022	0.50	NS.) Wireharness (blackmale7pinplug) (195.0mmlongwiresw/tachboard) (70.0mmlongred&blackwires)	BC-2200021	10.00
48.) Washer(black) (4.5x10.0x0.6mm)	ID-0000041	0.15	NS.) Wireharness (blackmale5pinplug)(formotors) (175.0mm&130.0mmlongyellow&whitewires)	BC-2200064	4.00
49.) E-clip (black) (3.0x8.0x0.5mm)	IF-0000002	0.15	NS.) Wireharness(forspeaker) (70.0mmlongwiresw/whitemale2pinplug)	BC-2100027	3.00
50.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15	NS.) Wireharness (105.0mmlongwiresw/blackmale2pinplug) (w/blackprotectivewiresshield)(forProto-Coupler®)	BC-0000118	2.00
51.) Screw(nickel) (M3x6.0mm)(roundhead)	IA-0000015	0.15			
52.) Insulator(black) (top)(square)(pick-up)	BD-0000026	2.00			
53.) Tractiontire(black) (rubber)(4.0x17.0mm)	DE-0000018	0.75			
54.) Truck(black) (powered)(3axle)(2holestappedformountingpilot) (2 M2.5 holes tappedformountingPCboardunder coupler)(trucksidemountfromtop)	DA-2000028	*35.00			
55.) Truck(black) (powered)(3axle)(2holestappedformountingpilot) (2 M2 holestappedformountingPCboardunder coupler)(trucksidemountfromtop)	DA-2000027	*35.00			
56.) Truckside(black) (rightrear/leftfront)(for3axletruck) (NYC)(#4208)(#4211)(PRR)(#5752)(#5754) (Wabash)(#1050)(#1051)	DB-2200011	9.00			
Truckside(silver) (rightrear/leftfront)(for3axletruck) (MKT)(#154A)(#157C)	DB-2200013	9.00			
57.) Truckside(black) (leftrear/rightfront)(for3axletruck) (NYC)(#4208)(#4211)(PRR)(#5752)(#5754) (Wabash)(#1050)(#1051)	DB-2200012	9.00			
Truckside(silver) (leftrear/rightfront)(for3axletruck) (MKT)(#154A)(#157C)	DB-2200014	9.00			
58.) Bracket(black) (speaker)(12.0x9.7mm)(5.0mmstep) (roundedendbymountinghole)	IH-0000322	1.00			
59.) Speaker (Star)(FR-050-A1421)(16ohms)(5W) (50.0mmspeaker)	BF-0000022	10.00			
60.) Gasket(black) (speaker)(foam)(46.0x51.0mm)(4.5mmthick) (for50.0mmspeakers)	IB-0000011	1.00			
61.) Fuel tank(black) (w/slottedholesforspeaker)(tappedfor4/40screws) (4mountingpostsforspeaker) (NYC)(#4208)(PRR)(#5752)(Wabash)(#1050)	FC-2200349	*20.00			
Fuel tank (red) (w/slottedholesforspeaker)(tappedfor4/40screws) (4mountingpostsforspeaker)(MKT)(#154A)	FC-2200356	*20.00			

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Allpartsarepricedaseach

PA A Unit (lead) Diesel Engine Engine Parts



PA A Unit (trailing) Diesel Engine

Engine Parts

NameandNumber	Part #	\$Price PerUnit	NameandNumber	Part #	\$Price PerUnit
1.) Diaphragm(black) (3rib)(26.0x50.0x10.0mm)(notchedtopcorners) (2centermountingplugs)(rubber)	FI-0000017	2.00	19.) Proto-Coupler®(black) (Proto-Coupler®2.0)(51.0mmlong)	DD-0000032	10.00
2.) Shell (darkgray,lightgray,white) (non-poweredAunit)(NYC)(#4211)	FC-2200357	*85.00	20.) Spring(nickel) (6.5x14.0mm)(w/0.5mmthickwire)	IE-0000022	0.50
Shell(red,yellow,white) (non-poweredAunit)(MKT)(#157C)	FC-2200358	*85.00	21.) Washer(black) (4.5x10.0x0.6mm)	ID-0000041	0.15
Shell(Tuscanred,gold) (non-poweredAunit)(PRR)(#5754)	FC-2200359	*85.00	22.) E-clip (black) (3.0x8.0x0.5mm)	IF-0000002	0.15
Shell(gray,blue,white) (non-poweredAunit)(Wabash)(#1051)	FC-2200360	*85.00	23.) Screw (4/40x6.0mm)(flathead)	IA-0000038	0.15
3.) Lens(transparent)(portal/headlight) (3.7x5.6x2.0mm)(0.8x6.6mmlenshead) (6ribsforpressfit)	FA-0000092	2.00	24.) Truckside(black) (rightrear/leftfront)(for3axletruck) (NYC)(#4208)(#4211)(PRR)(#5752)(#5754) (Wabash)(#1050)(#1051)	DB-2200011	9.00
4.) Airhorns(nickel)(2chime)	FC-2200254	3.00	Truckside(silver) (rightrear/leftfront)(for3axletruck) (MKT)(#154A)(#157C)	DB-2200013	9.00
5.) Numberboard(sticker) (blackbackgroundw/whiteletters)(NYC)(#4211)	FG-2200092	0.50	25.) Truckside(black) (leftrear/rightfront)(for3axletruck) (NYC)(#4208)(#4211)(PRR)(#5752)(#5754) (Wabash)(#1050)(#1051)	DB-2200012	9.00
Numberboard(sticker) (blackbackgroundw/whiteletters)(MKT)(#157C)	FG-2200093	0.50	Truckside(silver) (leftrear/rightfront)(for3axletruck) (MKT)(#154A)(#157C)	DB-2200014	9.00
Numberboard(sticker) (blackbackgroundw/whiteletters)(PRR)(#5754)	FG-2200094	0.50	26.) Truck (black)(non-powered) (3axle)(2holes tappedformountingpilot) (2tappedholesundercouplermountforPCboard)	DA-2000026	*35.00
Numberboard (blackbackgroundw/whiteletters) (sticker)(Wabash)(#1051)	FG-2200095	0.50	27.) Screw (4/40x6.0mm)(roundhead)	IA-0000003	0.15
6.) Windows (clear) (windshieldandsidewindows)	FA-2230019	5.00	28.) Fuel tank(black) (knowholesforspeaker)(4mountingholes) (3mountingposts)(4speakermountingposts) (NYC)(#4211)(PRR)(#5754)(Wabash)(#1051)	FC-2200340	*20.00
7.) Screw (4/40x3.0mm)(roundhead)	IA-0000275	0.15	Fuel tank (red) (knowholesforspeaker)(4mountingholes) (3mountingposts)(4speakermountingposts) (MKT)(#157C)	FC-2200345	*20.00
8.) Bracket(black) (metal)(12.0x35.5mm)(L-shaped)(forheadlight)	IH-0000252	3.00	29.) Pilot(dark gray) (2screwholesformountingpilot) (NYC)(#4208)(#4211)	DG-2230022	15.00
9.) Grommet(black) (cupped)(rubber)	IH-0000144	0.50	Pilot(red,yellow) (2screwholesformountingpilot) (MKT)(#154A)(#157C)	DG-2230023	15.00
10.) Bulb(transparent)(6v)(1)(headlight) (60.0mmlongwiresw/bluemale2pinplug) (grainofwheat)(MKT)(#154A)(#157C) (Wabash)(#1050)(#1051)	CA-0000028	3.00	Pilot(Tuscanred) (2screwholesformountingpilot) (PRR)(#5752)(#5754)	DG-2230024	15.00
11.) Bulb(transparent)(6v)(1) (60.0mmlongwiresw/bluemale2pinplug) (grainofwheat)(headlight) (NYC)(#4208)(#4211)(PRR)(#5752)(#5754)	CA-0000028	3.00	Pilot(blue,white) (2screwholesformountingpilot) (Wabash)(#1050)(#1051)	DG-2230025	15.00
Bulb(transparent)(6v)(1)(marslight) (60.0mmlongwiresw/whitemale2pinplug) (grainofwheat)(MKT)(#154A)(#157C) (Wabash)(#1050)(#1051)	CB-0000004	4.00	30.) Wirestrap(black) (metal)(small)	IH-0000012	1.00
12.) Spring(nickel) (8.0x12.0mm)(w/0.7thickwire)	IE-0000026	0.50			
13.) Bolt(black) (8/32x15.0mm)(6.0x8.0mmoversizedshank) (1.8x10.0mmslottedhead)	IA-0000088	1.00			
14.) Chassis(black)(stampedmetal) (non-poweredAunit)(57.0x330.0mm) (has2extraholesforfuel tankmountingposts)	DH-2200075	*20.00			
15.) Wireharness (blackflatmale10pinplug) (370.0mmlongwiresw/whitefemale2pinplug) (370.0mmlongwiresw/greenfemale2pinplug) (370.0mmlongwiresw/blackfemale2pinplug)	BC-2200069	12.00			
16.) Screw (M3x16.0mm)(washerhead)(self-drilling)	IA-0000025	0.15			
17.) T-bar (black)(plastic)	IG-0000001	0.50			
18.) Coupler(black) (non-operating)(34.5mmlong)(T-bar mounting)	DD-4000005	3.00			

*Requires Exchange
All parts are priced as each



PA A Unit (trailing) Diesel Engine Engine Parts

