



20-3056-1

Texas

2-10-4

Steam Engine

Text Only



GL100201

REV.121102

Texas 2-10-4 Steam Engine

Parts

Name and Number	Part #	\$Price Per Unit	Name and Number	Part #	\$Price Per Unit
1.) Cab (black) (w/ windows & handrails)(A.T.&S.F)(# 5012)	FB-1100203	*50.00	25.) Back head (black)(die-cast) (complete w/ fire box glow lens)	FB-1100206	*20.00
2.) Steam chest (black) (complete w/ guides & screws)	EF-1130006	40.00	26.) Whistle (black & brass)	FB-1100207	5.00
3.) Smoke unit (w/ wire harness) (Proto-Sound® 2.0)(7.0x8.0x2.0x3.7mm brass cup) (7.5mm long mounting posts)	AA-0000029	50.00	27.) Compressor valves (black) (mounts on pilot between compressors)	FB-1100208	8.00
4.) Bracket (black) (plastic)(23.6x44.3mm) (for mounting PC board inside of boiler shell) (cut long tab off end and can use to mount mux board)	IH-0000281	3.00	28.) Compressor (black) (mounts on pilot)(same part for both sides)	FB-1100209	12.00
5.) Steps (black) (right)(die-cast)(mounts below motion hanger)	FB-1110029	6.00	29.) Motion hanger (black)(die-cast) (for mounting eccentric assembly)	FB-1100210	15.00
6.) Steps (black) (left)(die-cast)(mounts below motion hanger)	FB-1120029	6.00	30.) Number board housing (black) (right)(w/ number board lens)(A.T.&S.F)(# 5012)	FB-1110030	10.00
7.) Steps (black) (stamped metal)(for both sides of rear tender)	FB-1100204	4.00	31.) Number board housing (black) (left)(w/ number board lens)(A.T.&S.F)(# 5012)	FB-1120030	10.00
8.) Chassis (black) (tender)(63.0x318.0mm)(stamped metal)	GB-1100009	*15.00	32.) Fireman (white man)(w/ seat)	FI-0000040	7.00
9.) CV board (green) (17.5x37.6mm)(w/ red, white & blue female 2 pin plugs) (bottom board that mounts to the drive block)	AG-0000056	20.00	33.) Engineer (white man)(w/ seat)	FI-0000041	7.00
10.) PC board (green) (160.0mm long wires w/ black male 10 pin plug) (board w/ red, white, blue & yellow female 2 pin plugs) (board w/ white female 4 pin plug) (mounts to inside of boiler shell)	AG-0000057	12.00	34.) Boiler bottom (black)(die-cast) (mounts on top of motion hanger)	FB-1100211	10.00
11.) Bulbs (clear)(6v)(2 bulbs) (210.0mm long wires w/ red male 2 pin plug) (for illuminating side number boards on boiler)	CC-0000046	4.00	35.) Truck (black)(lead)(single axle) (complete w/ mounting bracket)(front engine truck)	DA-1130012	20.00
12.) Bulbs (clear)(6v)(2 bulbs) (190.0 & 240.0mm long wires w/white male 2 pin plug) (for illuminating the inside of cab & fire box glow)	CG-0000043	4.00	36.) Truck (black) (trailing)(2 axle)(rear engine truck)	DA-1140011	30.00
13.) Grommet (black)(rubber) (for mounting bulb to fire box glow bracket)	IH-0000010	1.00	37.) Truck (black) (lead)(4 axle)(front tender truck)	DA-1130013	30.00
14.) Bracket (black) (stamped metal)(9.3x15.0mm)(11.2mm step) (for mounting fire box glow bulb)	IH-0000282	3.00	38.) Truck (black)(trailing)(4 axle) (complete w/ Proto-Coupler®)(rear tender truck)	DA-1140012	40.00
15.) Wire harness (red male 2 pin plug w/ 115.0mm long red wire) (90.0mm long black wire w/ eyelet) (hot & ground wire to CV board)	BC-0000112	2.00	39.) Platform (black)(die-cast) (w/ steps)(mounts to front of tender)	GA-1100056	15.00
16.) Wire harness (165.0mm long red wire w/ eyelets on each end) (115.0mm long red wire off one end) (hot wires from pick-ups)	BC-0000113	2.00	40.) Lens (clear) (front cab window)(fits both sides)	FA-1100011	1.00
17.) Insulator (black) (top)(square)(pick-up)(for mounting pick-up)	BD-0000026	2.00	41.) Draw bar (black) (71.0mm long)(has 3 mounting holes) (mounts under cab)	FB-1100212	3.00
18.) Nut (nickel)(2.5x5.0x10.0mm)	IC-0000005	0.50	42.) Spring (nickel)(6.6x12.0mm) (w/ 0.6mm thick wire)(for mounting draw bar)	IE-0000069	0.50
19.) Pick-up (8.0x11.0mm roller)(28.0mm long)	BD-0000005	5.00	43.) Side rod (blackened) (173.0mm long)(5 mounting holes)(fits both sides)	EC-1150006	5.00
20.) Insulator (black) (pick-up)(bottom)(square)(for mounting pick-up)	BD-0000024	2.00	44.) Drive rod (blackened) (right)(126.0mm long end to end)(complete)	EC-1110009	10.00
21.) Tool boxes (black)(die-cast) (mounts to bottom sides of tender)	GA-1100055	15.00	45.) Drive rod (blackened) (left)(126.0mm long end to end)(complete)	EC-1120009	10.00
22.) Boiler front (black)(die-cast) (complete w/ marker light housing, bell & bell bracket)	FB-1100205	*35.00	46.) Eccentric assembly (blackened) (right)(46.6mm long arm)	ED-1110011	5.00
23.) Bulb (clear)(6v)(headlight) (250.0mm long wires w/ blue male 2 pin plug)	CA-0000053	3.00	47.) Eccentric assembly (blackened) (left)(46.6mm long arm)	ED-1120012	5.00
24.) L.E.D.'s (green)(6v)(2 L.E.D.'s)	CE-0000014	5.00	48.) Sleeve (blackened) (5.6x6.4x6.3mm)(inner)	ID-0000107	2.00
(for marker lights on the front of the engine)			49.) Sleeve (blackened) (6.7x10.0x3.2mm)(outer)	ID-0000092	2.00
			50.) Bolt (blackened) (M2.5x13.0mm)(2.5x2.0mm shank) (hex head tapered toward shank) (for mounting side rod & eccentric assembly)	IA-0000305	2.00
			51.) Bolt (blackened) (M2.5x7.0mm)(hex head)(for mounting side rod)	IA-0000306	2.00
			52.) Traction tire (black)(rubber)	DE-0000027	0.75
			53.) Spring (nickel) (6.2x11.0x12.0mm)(w/ 0.6mm thick wire)	IE-0000065	0.50
			54.) Pin (black) (5.0x23.0mm)(1.5x8.0mm flathead) (1 e-clip groove 0.8mm & the other 14.5mm from end) (for mounting trailing 2 axle engine truck)	IG-0000046	1.00

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All parts are priced as each



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55.) Drive shaft (black) (plastic)(15.8mm long)(dog bone)	EH-0000013	3.00	78.) Screw (6/32x6.0mm)(washer head) (for mounting cab to boiler shell) (for mounting lead truck to drive block) (for mounting tender trucks)	IA-0000214	0.15
56.) Speaker (STAR)(FR-050-A1421)(16 ohms)(5W)(161E)	BF-0000022	9.95	79.) Screw (4/40x6.0mm)(roundhead) (for mounting pipe detail to top of boiler shell) (for mounting smoke unit bracket to boiler shell) (for mounting smoke unit bracket to smoke unit) (for mounting CV board) (for mounting Mux board bracket) (for mounting top pick-up insulator) (for mounting brake shoe assembly) (for mounting front bracket of trailing truck) (for mounting center bracket of trailing truck) (for mounting voltage regulator)	IA-0000003	0.15
57.) Speaker cone (black)(plastic) (41.5x54.5x6.5mm)(3 mounting tabs)(cut out in center)	BF-0000017	3.00	80.) Screw (6/32x10.0mm)(flathead) (for mounting PC board bracket to inside of boiler shell)	IA-0000176	0.15
58.) Gasket (black) (speaker)(foam)(46.0x51.0mm)(4.5mm thick)	IB-0000011	1.00	81.) Screw (4/40x4.0mm)(roundhead) (for mounting headlight bulb bracket to boiler front) (for mounting reverse light bulb bracket to tender shell) (for mounting rear steps on tender)	IA-0000021	0.15
59.) Battery	BG-4000001	9.95	82.) Screw (M2x4.0mm)(roundhead) (for mounting marker light housing to boiler front) (for mounting bell bracket to boiler front) (mounts bottom of steps that mount to motion hanger) (for mounting smoke unit switch)	IA-0000058	0.15
60.) Battery leads (110.0mm long wires w/ small black male 2 pin plug)	BC-0000092	3.00	83.) Screw (M2x6.0mm)(roundhead) (for mounting hatch to boiler front)	IA-0000038	0.15
61.) Bracket (black) (battery)(horizontal side mount)(plastic)	IH-0000116	3.00	84.) Screw (4/40x6.0mm)(flathead) (for mounting cab figures to boiler shell) (for mounting rear bracket of trailing truck)	IA-0000332	0.15
62.) Bracket (Aluminum) (15.0x38.0mm)(1.4mm thick) (for mounting Proto-Sound® 2.0 boards)	IH-0000176	3.00	85.) Screw (4/40x8.0mm)(roundhead) (for mounting gear box cover plate)	IA-0000080	0.15
63.) Switch (large) (for smoke unit on/off)	BB-0000006	5.00	86.) Screw (M2x4.0mm)(washer head) (mounts female 10 pin plug to Mux board bracket)	IA-0000333	0.15
64.) Volume pot (small) (blue w/ green board)	BI-0000040	5.00	87.) Screw (M2.6x6.0mm)(flathead) (for mounting left steps to motion hanger)	IA-0000280	0.15
65.) Spacer (black)(plastic) (3.0x6.0x4.0mm)(for mounting volume pot)	ID-0000071	0.15	88.) Screw (M2x9.0mm)(roundhead)(w/ 2.0x6.0mm shank) (for mounting eccentric assembly to motion hanger)	IA-0000185	0.15
66.) Voltage regulator (LM2937ET)	AG-0000032	3.00	89.) Screw (M2.5x6.0mm)(roundhead) (for mounting right steps to motion hanger)	IA-0000334	0.50
67.) Insulator (clear) (13.0x16.0mm)(single hole) (for mounting voltage regulator)	ID-0000024	0.15	90.) Screw (black) (M2.5x7.5mm)(slotted head)(3.0mm pin on end) (for mounting coupler on pilot)	IA-0000244	1.00
68.) Insulator washer (white) (3.0x6.0x3.0mm)(for mounting voltage regulator)	ID-0000025	0.15	91.) Bolt (black)(6/32x8.0mm) (1.5x7.0mm slotted head)(4.7x1.0mm shank) (for mounting lead truck bracket to pilot)		
69.) Boards (Proto-Sound® 2.0)	AE-0000001	*200.00			
70.) T-bar (black)(plastic) (4.0x20.0mm)(for mounting Proto-Coupler® 2.0)	IG-0000001	0.50			
71.) Proto-Coupler® 2.0 (51.5mm long)	DD-0000032	10.00			
72.) Washer (black)(plastic) (cup shaped for spring to fit in)(4.6x8.5x2.0mm) (inside 7.0x1.0mm)(for mounting Proto-Coupler® 2.0)	ID-0000060	0.15			
73.) Spring (nickel) (6.5x14.0mm)(w/ 0.5mm thick wire) (for mounting Proto-Coupler® 2.0)	IE-0000022	0.50			
74.) Washer (black) (4.5x10.0x0.6mm)(for mounting Proto-Coupler® 2.0)	ID-0000041	0.15			
75.) E-clip (black)(3.0x8.0x0.5mm) (for mounting Proto-Coupler® 2.0)	IF-0000002	0.15			
76.) Screw (6/32x6.0mm)(roundhead) (for mounting pump detail under cab on both sides) (for mounting PC board to rear of drive block) (for mounting drive rod guides)(for mounting pilot)	IA-0000027	0.15			
77.) Screw (6/32x8.0mm)(roundhead) (for mounting fire box glow bulb bracket) (for mounting boiler front to shell) (for mounting boiler shell to drive block) (for mounting motor mount to drive block) (for mounting boiler bottom) (for mounting motion hanger) (for mounting steam chest) (for mounting compressor & compressor valves) (for mounting front die-cast steps on tender) (for mounting tool boxes to chassis on tender) (for mounting tender chassis to tender shell)	IA-0000050	0.15			

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92.) Screw (6/32x4.0mm)(roundhead)(grease screw)	IA-0000060	0.15
93.) Washer (black) (3.0x6.0x0.4mm)(fiber)(for grease screw)	ID-0000040	0.15
94.) Screw (nickel) (M3x6.0mm)(roundhead)(for mounting pick-up)	IA-0000015	0.15
95.) Bolt (black)(6/32x8.0mm) (1.5x8.0mm slotted head)(4.7x1.0mm shank) (for mounting the front of trailing truck)	IA-0000335	1.00
96.) Bolt (black)(6/32x14.0mm) (1.5x8.0mm slotted head)(5.0x6.5mm shank) (for mounting draw bar to drive block)	IA-0000336	1.00
97.) Screw (4/40x4.0mm)(washer head) (for mounting reverse light housing on tender)	IA-0000217	0.15
98.) Screw (M3x4.0mm)(roundhead) (for mounting PC boards brackets in tender) (for mounting battery bracket) (for mounting PS2.0 boards bracket to chassis) (for mounting ground wire to rear tender truck)	IA-0000010	0.15
99.) Screw (M3x10.0mm)(roundhead) (for mounting speaker cone)	IA-0000110	0.15
100.)Screw (6/32x12.0mm)(roundhead) (for mounting PS2.0 boards bracket to boards)	IA-0000103	0.15
101.)Screw (M3x8.0mm)(roundhead)(for mounting volume pot)	IA-0000035	0.15
102.)Screw (M3x6.0mm)(roundhead) (for mounting tender truck sides)	IA-0000016	0.15
103.)Wire harness (tender harness)(black angled male 10 pin plug) (460.0mm long wires w/ black male 7 pin plug) (460.0mm long wires w/ black male 5 pin plug) (460.0mm long wires w/ black male 9 pin plug) (w/ black male 12 pin plug)(w/ small volume pot) (w/ white, green & blue female 2 pin plugs) (w/ large switch)(w/ black wire and eyelet) (460.0mm long wires w/ black male 4 pin plug)	BC-1100016	25.00
104.)Optical reader (for tach boards)	AG-0000078	5.00
105.)Wick (white)(for smoke unit) (4" long)(requires 2 wicks per smoke unit)	AA-0000001	1.00

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