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For changes please check our web site [mdmlocomotiveworks.com](http://mdmlocomotiveworks.com)

### Product improvements

GP locomotive controllers now have a new function, the ability to set which end of the locomotive is forward. This allows you to plug the control box into a second control plug at the cab end and when forward is selected the locomotive will travel away from the engineer. When operating two locomotives as a multiple unit (MU), the locomotives can operate prototype fashion, tail to tail. As an option F unit style locos can incorporate this new function along with the controls necessary for the F unit to operate as a trailing unit.

Air system now has 100% duty cycle compressor .

Lift rings are now lost wax castings.

Added snow plows and new versions of 48" roof top fan housings along with more roof top horns.

### Added details

Also to improve the details on the front and rear of your locomotive, we now include brake lines with angle cocks and glad hands. As an option, MU signal hoses with elbows, hose, glad hands, and mounting bracket are available.

### New locomotive

Due to customer demand we have another F unit in production. It is the FP7 model which is 4 prototype feet longer than the regular F unit. Our version is 6 3/8" longer than standard and the kit is \$200 more than regular F kit. Here is a photo of this locomotive operating MU with our company demo locomotive. Both locomotives are being operated from the same control box with complete control of 8 notches of power, regenerative braking, sound systems, ETC.



### Ready to run equipment

We have found it necessary to remove RTR equipment from our catalog as stock items,. This move is necessary due to a reduction in our personnel and the decision that complete RTR locomotive sales do not warrant training new employees. We will custom build locomotives by special order though at this time delivery for RTR equipment will be extended and will be done only upon special order. We still have raw kits, machined kits with milling and lathe work complete and semi-finished kits, which are machined kits partially assembled.

## LOCOMOTIVE PRICE LIST

### " F " A BASIC UNIT

KIT #	DESCRIPTION	
23405	UNPOWERED KIT	\$7,080
23410	UNPOWERED MACHINED KIT	\$9,161
33405	UNPOWERED SEMI-FINISHED	\$16,414
23406	POWERED KIT	\$12,809
23411	POWERED MACHINED KIT	\$15,275
33406	POWERED SEMI-FINISHED	\$20,140

### " F " B BASIC UNIT

KIT #	DESCRIPTION	
23407	UNPOWERED KIT	\$5,252
23412	UNPOWERED MACHINED KIT	\$7,193
33407	UNPOWERED SEMI-FINISHED	\$13,825
23408	POWERED KIT	\$9,206
23413	POWERED MACHINED KIT	\$11,532
33408	POWERED SEMI-FINISHED	\$15,776

### GP 7 - 9 BASIC UNIT

KIT #	DESCRIPTION	
23703	UNPOWERED KIT	\$7,870
23706	UNPOWERED MACHINED KIT	\$9,680
33703	UNPOWERED SEMI-FINISHED	\$15,411
23704	POWERED KIT	\$13,692
23707	POWERED MACHINED KIT	\$15,887
33704	POWERED SEMI-FINISHED	\$19,868

### GP 60 BASIC UNIT

KIT #	DESCRIPTION	
23303	UNPOWERED KIT	\$7,024
23305	UNPOWERED MACHINED KIT	\$9,165
33303	UNPOWERED SEMI-FINISHED	\$15,358
23304	POWERED KIT	\$12,580
23306	POWERED MACHINED KIT	\$15,106
33304	POWERED SEMI-FINISHED	\$19,901

AS OF JANUARY 2003 WE ARE NO LONGER ABLE TO PROVIDE READY TO RUN EQUIPMENT.  
 POWERED UNITS COME WITH - TRACTION MOTORS + GEAR BOXES, CONTROL SYSTEM,  
 AIR COMPRESSOR, ELECTRONIC SOUND SYSTEM (WITH VARIABLE ENGINE SOUND, BELL, HORN )  
 ROOF TOP POWERED FANS, COMPLETE LIGHTING - HEADLIGHTS, NUMBERBOARDS, CLASS LIGHTS,  
 TRUCK LIGHTS, AS APPLICABLE

### LOCOMOTIVE KIT OPTIONS

KIT #	DESCRIPTION		KIT #	DESCRIPTION	
33947	SNOW PLOW	\$300	33941	36" DYNAMIC BRAKE ASSY. - GP7	\$213
			33940	48" COOLING FANS - GP9	\$204
			33942	48" DYNAMIC BRAKE ASSY. - GP9	\$255
33951	WINTERIZATION HATCH	\$195	33925	GP-60M COMFORT CAB	\$1,800
			33428	F UNIT MU / LEAD END KIT	\$47

OPTIONS PRICED AS ADDITIONS TO LOCOMOTIVE KITS. IF SOLD SEPARATELY, MORE PARTS MAY BE NEEDED RAISING THE COST.

PRICES SUBJECT TO CHANGE SINCE WE ARE CONSTANTLY IMPROVING OUR PRODUCTS  
 BY DEVELOPING MORE EFFICIENT MEANS OF PRODUCTION AS WELL AS ADDING MORE DETAILS.  
 CONTACT US FOR A FIRM QUOTE ON A SPECIFIC LOCOMOTIVE.

# LOCOMOTIVES AS SEPARATE KITS

2/16/2010

BECAUSE THE COST OF A COMPLETE LOCOMOTIVE KIT IS QUITE A BIT TO SHELL OUT AT ONE TIME, WE HAVE BROKEN DOWN OUR LOCOMOTIVES INTO KITS TO SPREAD OUT THE

KIT #	SECTIONS	F "A" UNIT	GP60	GP7/9
23XXX	UNPOWERED LOCOMOTIVE	\$7,080	\$7,024	\$7,870
31401	MOTORS & GEARBOXES	\$1,977	\$1,977	\$1,977
33900	CONTROL SYSTEM	\$2,140	\$2,202	\$2,212
33924	SOUND SYSTEM	\$647	\$647	\$647
23500	AIR SYSTEM	\$511	\$548	\$534
33943	BATTERY CHARGER	\$371	\$371	\$371
3300A	LIGHTS	\$217	\$178	\$238
3300B	POWERED FANS	\$198	\$183	\$185
	<b>TOTAL</b>	<b>\$13,140</b>	<b>\$13,130</b>	<b>\$14,034</b>

## POWER TRUCKS

### BLOMBERG OLD STYLE CLASP BRAKE TRUCK

### BLOMBERG TYPE M TRUCK

PART #	DESCRIPTION	PRICE	KIT #	DESCRIPTION	PRICE
21412	UNPOWERED KIT	\$ 1,971	21432	UNPOWERED KIT	\$ 1,623
31412	UNPOWERED MACH. KIT	\$ 3,396	31432	UNPOWERED MACH. KIT	\$ 3,510
21413	POWERED KIT	\$ 3,948	21433	POWERED KIT	\$ 3,600
31413	POWERED MACH. KIT	\$ 5,784	31433	POWERED MACH. KIT	\$ 5,899

### AAR TYPE A SWITCHER POWER TRUCK

### HTC 3 AXLE SD POWER TRUCK

PART #	DESCRIPTION	PRICE	PART #	DESCRIPTION	PRICE
21440	UNPOWERED KIT	\$ 1,459	21462	UNPOWERED KIT	\$ 2,551
31440	UNPOWERED MACH. KIT	\$ 2,729	31462	UNPOWERED MACH. KIT	\$4,576
21442	POWERED KIT	\$ 3,436	21463	POWERED KIT	\$ 4,529
31413	POWERED MACH. KIT	\$ 5,117	31463	POWERED MACH. KIT	\$6,964

**PACKING CHARGE FOR RTR TRUCKS \$60**

## JOLLY TROLLEY COMPONENTS

PART #	DESCRIPTION	PRICE
<b>21470</b>	POWER TRUCK KIT WITH BRAKES ( TWO TRUCKS )	\$1,819
<b>11470</b>	POWER TRUCK WITH BRAKES READY TO RUN	\$2,864
<b>23505</b>	POWER CONTROL SYSTEM KIT ( 24 VOLT FOR TWO MOTORS )	\$788
<b>33915</b>	ON - BOARD 24 VOLT / 10 AMP CHARGER (FOR JOLLY TROLLEY)	\$200
	PACKING CHARGE FOR RTR TRUCKS	\$60

DRAWING SET FOR BUILDING JOLLY TROLLEY AVAILABLE FROM  
LOCOMOTIVE OPERATORS OF CENTRAL OKLAHOMA FOR \$25  
CONTACT US FOR YOUR COPY

# DETAL PARTS AND OTHER COMPONENTS

2/16/2010

PART #	DESCRIPTION	USED ON	SIZE	PRICE
45102	JOURNAL BOX ASSY. LOST WAX, RTR, STEEL, 1 1/8" brng. bore	POWER TRUCK	for opening 1.8 x 3/4	\$30
41190	BRAKE CYLINDER CASTING	POWER TRUCK	1 3/8" x 2 1/2"	\$12
43104	40" WHEEL CASTING	POWER TRUCK	5" DIAMETER	\$20
43204	40" WHEEL MACHINED	POWER TRUCK	5" DIAMETER	\$58
41216	BRAKE SHOE RING CASTING ( 8 SHOES )	POWER TRUCK	5" DIAMETER	\$42
41216a	BRAKE SHOE RING MACHINING ONLY	POWER TRUCK		\$80
49121	BRAKE LINING MATERIAL	POWER TRUCK	3/8" x 2"	\$0.25
47308	AXLE - MACHINED	POWER TRUCK	5/8" DIA. x 10 1/2"	\$30
31494	24 VOLT MOTOR / GEAR BOX KIT ( wheels & bearings extra )	POWER TRUCK	1/2 HP	\$ 494
31499	24 VOLT MOTOR / GEAR BOX RTR ( wheels & bearings extra )	POWER TRUCK	1/2 HP	\$636
54112	24 VOLT PERMANENT MAGNET MOTOR	POWER TRUCK	1/2 HP	\$292
55210	SPRING - POWER TRUCK 110 lb / INCH	POWER TRUCK	3/4" x 1 1/2"	\$1
55304	BALL BEARING	POWER TRUCK	1/2" x 1 1/8" x 3/8"	\$5
41155	OLD STYLE JOURNAL BOX CASTING	SWITCHER	1 3/4" x 1/2" x 1 1/4"	\$15
41102	HEADLIGHT CASTING	SWITCHER	2" x 2" x 1 3/4"	\$15
33947	SNOWPLOW RTR	GP - SD	-	\$300
33930	48" DYNAMIC FAN HOUSING / GRILL KIT	GP - SD	6" DIAMETER	\$68
33931	48" DYNAMIC FAN HOUSING / GRILL RTR	GP - SD	6" DIAMETER	\$83
33932	48" RADIATOR FAN HOUSING / GRILL KIT	GP - SD	6" DIAMETER	\$83
33933	48" RADIATOR FAN HOUSING / GRILL RTR	GP - SD	6" DIAMETER	\$110
46101	HAND RAIL STANCHION - STAMPED STEEL	GP - SD	5/16" x 3/8" x 7"	\$4
46245	HOOD DOOR LATCH PLATE LASER CUT	GP - SD	.010" x 1/2" x 1"	\$2.25
46334	SIMULATED DOOR HINGE / FLAT, OFFSET, OR DOUBLE	GP - SD	1/2" x 1/2" OR 1 7/8"	\$0.60
41191	RADIATOR FAN INLET SHUTTERS ( 4 CASTINGS)	GP - SD	3/8" x 4" x 11"	\$96
41192	INERTIAL FILTER AIR INLETS ( 2 CASTINGS )	GP - SD	3/8" x 3 3/4" x 9"	\$35
91107	DUST BIN GRILL	GP - SD	2" x 2" x 1/4"	\$16
41217	AIR FILTER HATCH CASTING	GP - SD	13/16" x 7" x 9"	\$31
41186	CLASSIFICATION LIGHT WITH LENS ( 4 UNITS )	GP7/9	1" x 1 1/2"	\$30
53408	12 VOLT LAMP WITH COVER FOR CLASS LIGHTS	GP7/9	EACH	\$2
44102	SAND HATCH CASTING	GP7/9	EACH	\$20
33709	HEADLIGHT CASTING SET WITH LENSES	GP7/9	EACH	\$45
33715	KIT FOR CONVERTING MINIMAG FLASH LIGHTS FOR HEADLIGHT	GP7/9	SET	\$5
33301	DYNAMIC BRAKE SET	GP - 50	SET	\$300
41218	TURBO CHARGER HATCH CASTING	GP - 50	1/2" x 7" x 9"	\$31
33429	EXHAUST STACK - FABRICATED	GP7/9 & F	3" x 1 1/2" x 1"	\$40
33405	PILOT ASSY. RTR - WELDED STEEL	F	3 3/4" x 5" x 14"	\$250
41103	STEP CASTING	F	2 1/4" x 3 1/2"	\$10
41220	ROOF BRACE CASTING	F	1" x 5" x 16"	\$57
33406	PORT HOLE ASSEMBLY WITH GASKET	F	2 7/8" DIAMETER	\$12
33408	RADIATOR GRILL KIT FOR "A" UNIT	F	3 3/16" x 56 3/8"	\$200
33425	RADIATOR GRILL KIT FOR "B" UNIT	F	3 3/16" x 73"	\$275
46134	BATTEN - STAMPED	F	.040 x 1/4" x 36"	\$3
44105	INTAKE LOUVER - DIE CAST	F	1 5/8" x 2 1/4" x 3/16"	\$15
46315	INTAKE LOUVER - STAMPED	F	3" x 3"	\$5
44101	SAND HATCH - LOST WAX CASTING	F	2" x 1 3/4"	\$40
33707	LIFT RING - LOST WAX CASTING	ALL	.350" OD x .200 ID	\$10
33960	BRAKE LINES - ANGLE COCK, HOSE, GLAD HANDS	ALL	2 SETS	\$38
33961	6 MU SIGNAL HOSES - ELBOW, HOSE, GLAD HAND	ALL	6 SETS	\$40
49112	WINDOW GROMMET	ALL	1/8" X 12"	\$1
91124	FIRECRACKER ANTENNA	ALL	3/8" DIA x 1 1/2"	\$25
91125	CAN ANTENNA	ALL	15/16" DIA. x 1"	\$20
91108	SINCLAIR ANTENNA	ALL	1/4" x 2 7/8" X 1/2"	\$23
91101	DOOR HANDLE	ALL	1/8" x 5/8"	\$4.60
91102	DOOR LATCH	ALL	5/8" x 3/4" X 1/8"	\$8
33945	WIND DEFLECTORS - 1 PAIR	ALL	LOST WAX CASTING	\$65
91106	TOP MOUNT BELL	ALL	LOST WAX CASTING	\$42
33962	BELL - CAST BRASS FOR UNDERFLOOR MOUNTING	ALL	1 7/8" DIA. X 1 1/4"	\$20
33943	3 CHIME LESLIE S-3L ROOF TOP HORN KIT	ALL	LOST WAX CASTING	NA
33943a	5 CHIME LESLIE S-5T ROOF TOP HORN KIT	ALL	LOST WAX CASTING	\$175
33943b	3 CHIME NATHAN P3 ROOF TOP HORN KIT	ALL	LOST WAX CASTING	\$75
33943c	5 CHIME NATHAN P5 ROOF TOP HORN KIT	ALL	LOST WAX CASTING	NA
33943d	3 CHIME AIRCHIME K3LA ROOF TOP HORN KIT	ALL	LOST WAX CASTING	\$71
33943e	5 CHIME AIRCHIME K5LA ROOF TOP HORN KIT	ALL	LOST WAX CASTING	NA
33924	ENHANCED SOUND SYSTEM - AUTOMATIC	ALL	KIT	\$647
33926	ENHANCED SOUND SYSTEM - MANUAL	ALL	KIT	\$666
46365	DOUBLE STAMPED BATTEN - TWO ROWS OF STAMPED RIVETS	SPECIAL	1/2" X 36"	\$6
59033	EPOXY ADHESIVE KIT	ALL	TWO PART	\$21