Diversified Metal Fabricators
Service Bulletin SB 2077

Title	RW-1013 Alignment & Weight Setting Corrections
Document No.	SB2077 Rev #
Issue Date	7/25/2019 (BJF)
Release	General
Units Affected	All ship-out RW-1013 and RW-1013HD railgear prior to 7/25/2019
Purpose	Provide guidance on correct alignment and weight setting procedure

DMF's Installation and Parts & Service manual for RW-1013 & RW-1013HD previously included inaccurate information regarding the proper back-to-back dimension for rail wheels. That information has been corrected on drawing M1013003 (attached). That document also revises instructions for performing the railgear alignment and rail wheel load adjustments.

Railgear installed by DMF is not affected by this bulletin. Please contact the DMF service department at 404-879-7882 with any questions.

All trucks put into service before 7/25/2017 need to be inspected for rail wheel back-to-back front and rear. The wheels should be installed at 53-1/4" +/-1/8" back-to-back. If that measurement is out of spec, contact the DMF service department to arrange repairs. A service authorization (SA) is required prior to starting the work. Please have railgear serial numbers ready when calling.

All trucks put into service between 7/25/2017 and 7/25/2019 should be fully inspected at a shop for the proper back-to-back, alignment, and weight settings. Please contact the DMF service department to arrange repairs. A service authorization (SA) is required prior to starting the work. Please have railgear serial numbers ready when calling.

Training for the proper alignment and weight adjustment procedure is available online at: https://youtu.be/ngas4nRXi_s

DMF will replace defective parts under DMF's warranty terms. DMF may require the return of affected parts to determine coverage.

Diversified Metal Fabricators
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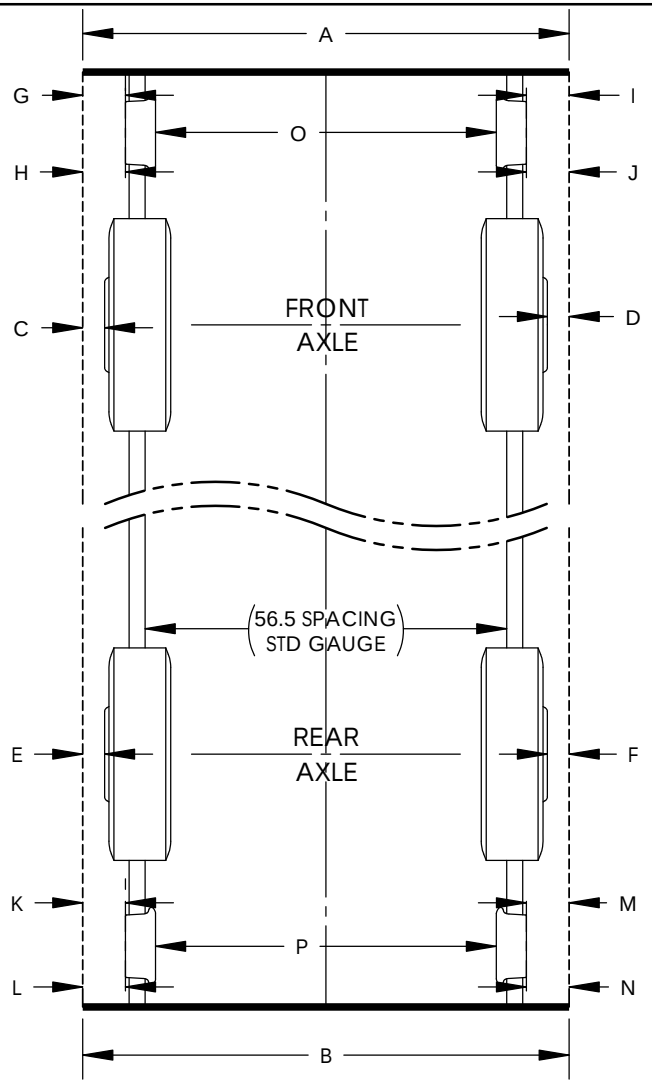

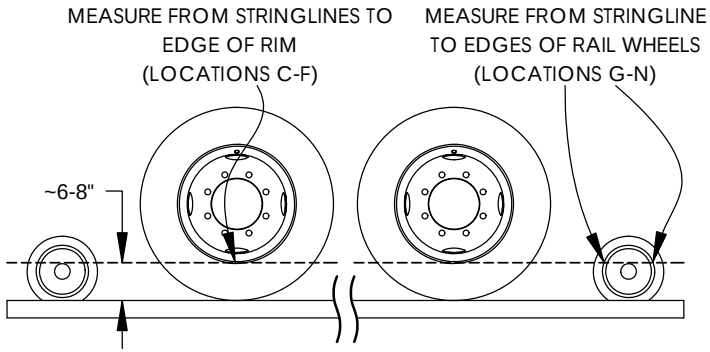

RAILWHEEL LOADS MUST REMAIN WITHIN 50 lbs. LEFT-TO-RIGHT ON AN AXLE.
UNEVEN RAILWHEEL LOADING CAN CAUSE DERAILMENT

	Railwheel Loads (per wheel, lbs.)				
	Min	Target	Max	Installed DS	Installed PS
Front	500	625 ±25	700		
Rear	500	625 ± 25	700		

STEP	LOCATION	SPEC	MEASURED	
1) SQUARE STRINGLINES TO TRUCK AXLES	A=B	±1/32		
	C=D			
	E=F			
2) CENTER AND SQUARE FRONT RAILWHEELS TO STRINGLINES	G=H	±1/16		
	I=J			
	G=I			
3) CENTER AND SQUARE REAR RAILWHEELS TO STRINGLINES	K=L	±1/16		
	M=N			
	K=M			
4) CHECK BACK-TO-BACK BETWEEN WHEEL FLANGES	O	53.25* ±1/8"		
	P			

*STD. GAUGE ONLY

STRINGLINE ALIGNMENT PROCEDURE

- Rails (or simulated rails) should be spaced at proper gauge and parallel. Truck should be centered on rails, with steering wheel straight.
- For accuracy, stringlines should be taut and equally spaced at both ends of the vehicle.
- Measurements C/D at front axle may not match E/F at rear axle on all vehicles, as manufacturers may use different track widths at the front and rear truck axles.
- Work slowly and make small adjustments.
- If laterall adjustment range is insufficient, adjust shims between railgear and brackets.
- Re-check measurements after tightening bolts.

REV	DATE	DESCRIPTION	BY	APP

TOLERANCES (UNLESS SPECIFIED):
FRAC, MACH: ± 1/32"
FRAC, OTHER: ±1/16"
.X ± .063
.XX ± .030
.XXX ± .005
DRILL SIZES: + .015
ANGULAR: ± 1°
SURF FINISH: 125 MICRO
THREADS: 2A AND 2B
BREAK SHARP EDGES .03 X 45° MAX.

DMF (404)875-1512

RW-1013

TITLE: MANUAL, RW-1013 ALIGNMENT & RAIL WHEEL LOAD

DRAWN BY:	APPD BY:	DATE:	DRAWING NUMBER:	REV:
BJF	-	7/24/19	M1013003	#