



**FCM Rail Ltd.**

15173 North Road  
Fenton, MI 48430  
810-714-4626  
Fax 810-714-4680

Manufacturer	Model	Asset ID
Harsco	C154BR Ballast Regulator	783
Serial #	9BR01217	
Year	1997	
Engine	Cummins 6BTA5.9 diesel engine	



### C154BR Ballast Regulator

The Fairmont Tamper" C154BR Ballast Regulator has the power, versatility, and production capacity to run with today's high-production Tampers, whether reclaiming ballast disturbed by tie renewals prior to track surfacing operations, or performing precision ballast dressing and final brooming of the track. With a travel speed of up to 50-mph in either direction, Power shift transmission with up/down shift on-the-move, and hydraulic adjustment of all tools from the cab, the efficient C154BR optimizes each available track window.

This versatile machine quickly and efficiently moves ballast from *-where it's at-to where it's needed-*enhancing track stability. The 10-ft-wide hydraulically-articulated, directional front plow can plow out, pull in, or transfer material in a single pass while traveling in either direction. Side-mounted ballast boxes easily reclaim excess material from the shoulder and distribute it uniformly, as needed, for track surfacing. The rugged ballast boxes have a capacity of over 1.75 cubic yards each, enabling the C154BR to move and distribute ballast over considerable distances. Ballast boxes feature individually adjustable end doors and precise adjustment settings to shape the ballast section to various slopes and toe lines. With its large wing plows, precisely-controlled hydraulic-articulation, and long-reach extendable side box mounting theC154BR can recover ballast up to 12' 6" from the track centerline.

**MAIN FRAME:** Boxed beam type; welded steel construction; stress tested to assure maximum strength and rigidity.

**WHEELS & AXLES:** 30-in. (762-mm) diameter multi-wear forged steel wheels mounted on heavy-duty axles; derail protection designed as an integral part of the wheel/axle/brake system.

**SUSPENSION:** Rubber Chevron layered material and friction snubbers; designed for 50-mph (80-km/h) track travel; provides comfortable ride in both work and travel modes.

**BRAKES:** Clasp-type, air-operated service brake system with two Cobra shoes acting on tread of each wheel; Spring-applied, air-released, secondary/parking brake system provides automatic brake actuation in case of air pressure loss.

**DRIVE TRAIN:** Full-time 4-wheel drive; 4-speed forward and reverse torque converter/power shift transmission provides up to 50-mph (80-km/h) travel speed in either direction; On-the-go shifting enhances operator efficiency and machine productivity.

**ENGINE:** Cummins 6BTA5.9 diesel engine; C200 rated at 200-hp (149.2-kw) @ 2,500-rpm; direct-electric 24-volt starting system.

**HYDRAULIC SYSTEM:** One variable-displacement pump and a fixed-displacement pump operate at 2,000–2,500-psi (138–172.3-bar) operating pressures.

**AIR SYSTEM:** 13.2-cfm (6.23-l/sec) engine-driven compressor, 100-psi (6.9-bar) operating pressure.

**ELECTRICAL SYSTEM:** 24-VDC system with heavy-duty batteries and alternator.

**CAB:** Large, fully-enclosed, rear entry cab with 360 degree view provides excellent visibility for work and travel; accessible from either side of machine via a rear platform equipped with conventional ladder-type steps; can be fully climatized and equipped with lighting as required; All controls are within easy reach of the operator.

**DIRECTIONAL FRONT PLOW:** Adjustable, full transfer plow enables single-pass plowing out, pulling in, or transfer of material in either direction with machine moving in either forward or reverse direction; Plow is fully articulated, hydraulically, with remote actuated pin-type locks to hold desired position; Full 10-ft. (3-m) width for maximum flow of ballast in all operations; Plow blades and support skid are constructed of T1 steel plate for long life.

**BALLAST BOXES:** Ballast boxes have a carrying capacity of over 1.75-cu yds (1.33-cu m) and enough lateral reach to recover ballast up to 12.5-ft. (3.8-m) from the track centerline; Boxes are fully articulated from the cab by hydraulic control; End doors are hydraulically operated and independently adjustable for various ballast slopes and toe lines; Boxes perform equally well in either direction of travel and can pull material from the shoulder to the rail, dress shoulders, or can daylight tie ends by plowing out material. Double wear strips provide additional strength to the main box structure and improve wear resistance.

**BROOM:** Ballast sweeping broom features 18" long-life sweeps, T1 steel construction to resist ballast abrasion, Rear-mounted broom can sweep with the machine moving in the forward direction to enable utilization of the boxes for final dress at the same time brooming is being performed; Hydraulically-driven broom rotation can be easily reversed to work in either direction or move excess material away from road crossings, switches, etc.

**SERVICE REFILL CAPACITIES**

Hydraulic Tank .....	90-gal. US (340-l)
Fuel Tank .....	80-gal. US (300-l)

**DIMENSIONS**

Length .....	31.6-ft. (9.6-m)
Width (Travel) .....	10.3-ft. (3.14-m)
Height .....	10.8-ft. (3.3-m)
Wheelbase .....	12.5-ft. (3.8-m)
Track Gage .....	56.5-in. (1,435-mm) standard

**WEIGHT**

Standard Operating Weight .....	Approximately 56,000-lb. (25,402-kg) Actual weight of a specific machine may vary according to sales groups applied.
---------------------------------	--

**GENERAL PERFORMANCE**

Max. Travel Speed .....	50-mph (80-km/h)
-------------------------	------------------

