

NEW ZEALAND GOVERNMENT RAILWAYS MECHANICAL BRANCH	STANDARD CLEARANCES Cancelled; Issue 3; 1/9/73	CODE No. 47
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**EXISTING LOCOMOTIVE CODES TO BE CANCELLED: 108, 851, 368.**

**(1) LOCOMOTIVES.**

Locomotives shall not be passed out from Workshops or permitted to run unless they are within the standard clearance limits enumerated on B.P. Z. 6046.

**(2) CARS AND VANS.**

Cars and vans (except 50 ft. and 56 ft. vehicles) shall not be passed out from Workshops or permitted to run unless they are within the standard clearance limits enumerated on B.P. 4082.

The proposed exterior dimensions for new rolling-stock that are outside the clearance limits shown on B.P. 4082 must be submitted to the Chief Engineer for approval before they are adopted. The exterior dimensions of all 50 ft. and 56 ft. existing stock that are outside the clearance limits shown on B.P. 4082 have been approved by the Chief Engineer.

**(3) WAGONS.**

Wagons (except classes "Z" and "Zp") shall not be passed out from Workshops or permitted to run unless they are within the standard clearance limits enumerated on B.P. 4082.

When passed out from Workshops "Zp" wagons and 30 ft. "Z" wagons shall not exceed 8 ft. 3 in. in width at 3 ft. 9½ in. from rail level, and the remaining exterior dimensions must be within the standard clearance limits.

All 50 ft. "Z" wagons when passed out from Workshops shall not exceed 8 ft. 6 in. in width at 6 ft. from rail level, and 8 ft. 4½ in. in width at 3 ft. 10½ in. from rail level, and the remaining exterior dimensions must be within the standard clearance limits.

**(4) ALTERATIONS TO EXISTING STOCK**

No alterations that will increase the exterior dimensions so that they exceed the clearance limits enumerated in the preceding clauses of this instruction are to be effected on locomotives or rolling-stock at Workshops, Car and Wagon, or Locomotive Depots without the authority of the Controlling Officer.

**(5) CENTRE RAIL CLEARANCES.**

(a) **Rimutaka Incline:** Unless special authority has been obtained from the Controlling Officer, vehicles that do not conform to the clearance limits enumerated on B.P. 1783 shall not be permitted to run on the Rimutaka incline.

On no account will cars or vans with elevated roofs be permitted to run on the Rimutaka incline.

The ends of both headstocks of vehicles that do not conform to the centre rail clearance limits, and the ends of both headstocks on cars and vans with elevated roofs shall be painted red, and the distinguishing brands must not be obliterated when these vehicles are shopped for painting or repairs.

(b) **Rewanui and Paparoa Inclines:** All vehicles the brake gear of which will not clear the centre rail clearance gauge No. 2 on B.P. Y. 1783 shall not be permitted to run on the Rewanui and Paparoa Inclines unless special authority has been obtained from the Controlling Officer. Vehicles prohibited from running on the Rewanui and Paparoa Inclines must be branded as follows:

- (1) Vehicles with wooden headstocks shall have the ends of both headstocks painted red
- (2) Vehicles (other than cars and vans) with channel-iron headstocks or with no headstocks (imported "LA" wagons) shall have a 3 in. red circle painted on the side of the vehicle as near as possible to the end on the handbrake corner, and on the diagonally opposite corner.
- (3) Cars and vans with channel-iron headstocks and platforms, the bogie gear of which will not clear the centre rail, shall have the ends of the cross bearers that carry the veranda stanchions painted red.

Care must be exercised to ensure that the distinguishing brands are not obliterated when these vehicles are shopped for painting or repairs.

**(6) COWCATCHER CLEARANCE.**

When locomotives are passed out from shops, the clearance between the cowcatchers and the rail level must not exceed 4½ in. or be less than 2½ in.

Locomotives shall not be permitted to run when the clearance between the cowcatcher and the rail level is less than 2 in.

[The clearance between cowcatchers and rail level of articulated railcars in the tare condition is to be:-

4½" max      3½" min]