



## Australian Railway Kits

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# RH04 - NSWGR CH/NHAF Coal Hopper

## Prototype Data

The CH (NHAF) is a curved aluminum bodied coal hopper with 4 discharge hoppers fitted with 2 CH bogies but many have been converted to the non clasp style 2CH or XCH bogies. This was achieved by cutting off the brake hanger extension horns on the bogies. They were built by A. E. Goodwin during 1967-68. Serial #'s 33001-33150. With the advent of larger carrying capacity coal hoppers they were removed from coal traffic with the majority being converted to NGIF Wheat hoppers.

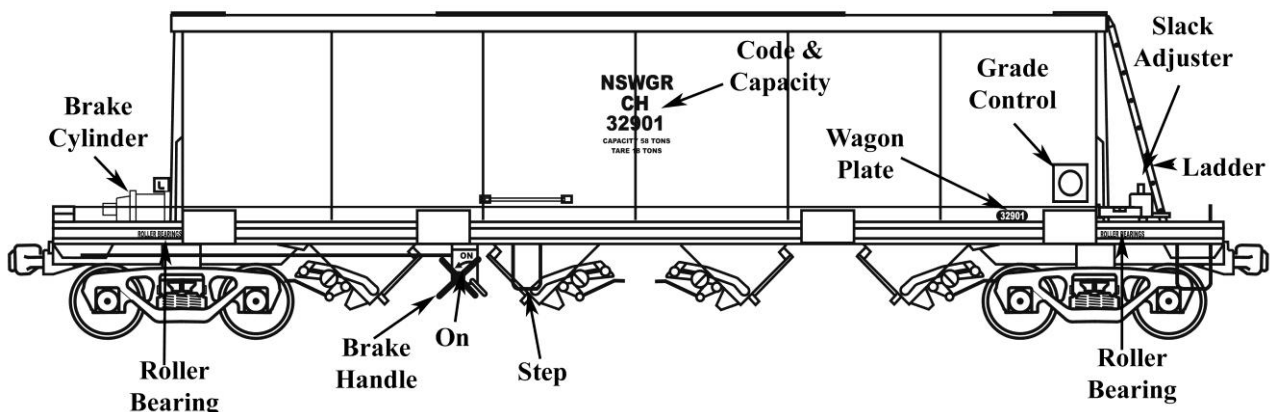
## Contents

2 sides, 2 ends, 1 floor, 2 bogie retaining pins, 2 brake handles, 1 air tank (3 pieces), 1 brake compensator (2 pieces), 1 brake cylinder (2 pieces), 1 slack adjuster, 1 ladder, 8 hopper discharge levers, 2 bogies, 4 wheel sets, decals and 1 pr Kadee #5 couplers.

## Assembly Instructions

1. Using a modellers knife or razor saw carefully remove parts from the sprue.
2. Clean all flash from parts using a modellers knife or small file.
3. Cut notch in the top chord on both ends so that the ends will fit inside the hopper sides. See Figure 1 for a guide. The notch should be the same depth as the end thickness. When the ends fit in position so that the outside edge of the end sits level with the ends of the sides glue into position at Figure 2.
4. Locate the hopper assembly onto the chassis and discharge hopper moulding by using the four small pips as a guide and glue in position. It may be necessary to apply pressure between the floor and the hopper while the glue cures to get a neat fit.
5. If you are going to use the supplied pins to secure the bogies to the model this Paragraph has no relevance to the model. If you are using the self tapping screws to secure the bogies wet the inside of the bolster pin holes with liquid cement and press fit the pins home. Wait until the join has cured and remove the pin head. Drill the centre of the pin with a 1.8 mm drill and then tap the hole with the screw until the head is just touching the top of the bolster post. The bogies can now be removed easily for later maintenance if required.
6. Drill a hole in the handbrake bracket with a #61 Drill and fit handbrakes. Assemble the air tank, compensator and brake cylinder and glue in position. Note - file the base of the brake cylinder and compensator before fitting to the floor and they go to the end with the handbrake brackets Figure 3. A shunters steps can be added beside the brake handle if desired. Make the shunters step from a staple.
7. Fit slack adjuster on top of the brackets on the opposite end to the brake cylinder Plan.
8. Fit ladder, glue discharge hopper levers in position shown on Plan and Side elevations.
9. Wash kit before painting, recommended colour is Floquil Old Silver Frost with the bogies weathered black.
10. Add couplers and decals, an insert will be produced in the new year by Main West Models for your wagon if you wish to run it empty. Extra information can be found in "Railway Freight Wagons in NSW" or by contacting AR

## Decal and Small Parts Location



Kits.

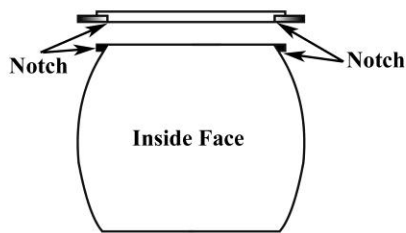
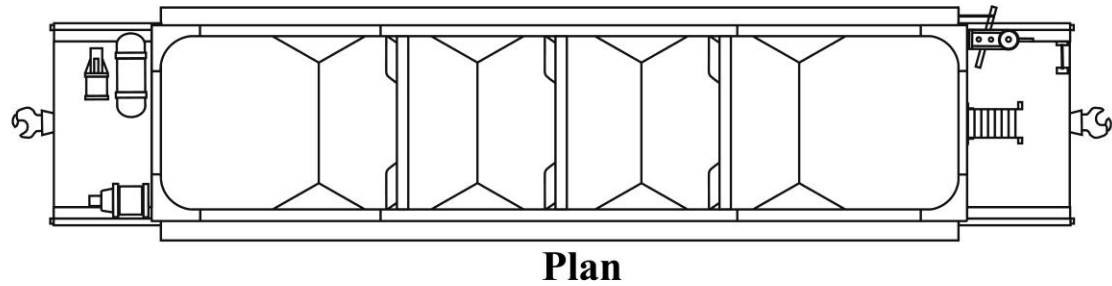
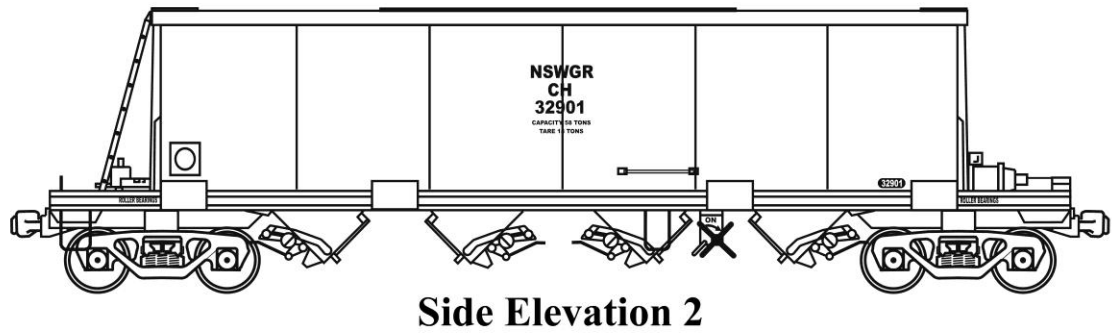
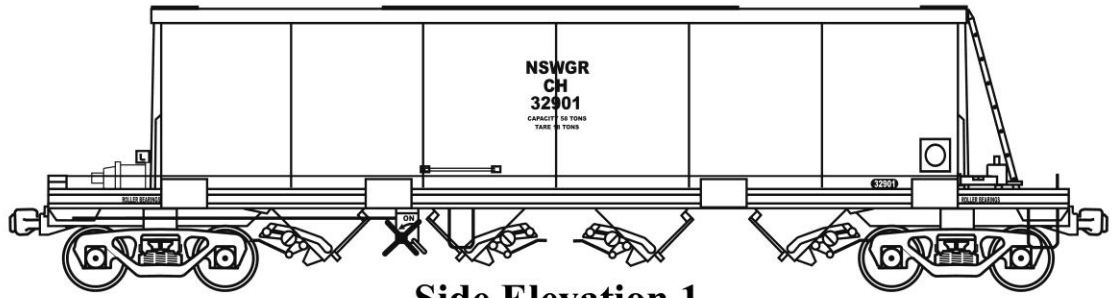


Figure 1

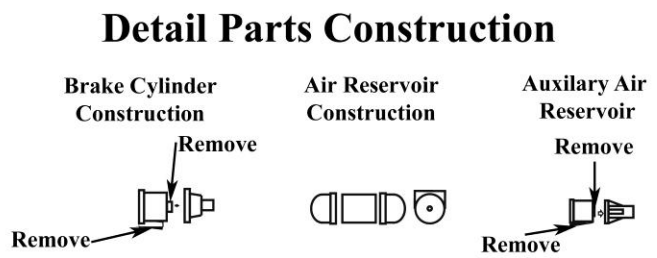


Figure 3

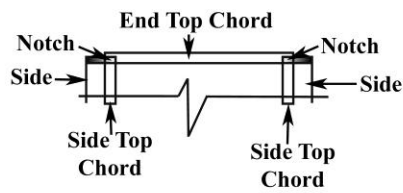


Figure 2