



*Australian Railway Kits*

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Incorporating Main West Models  
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## Adding Weight To Your

### RF03 - OCX/NQOX Container Flat Wagon

#### Prototype Data

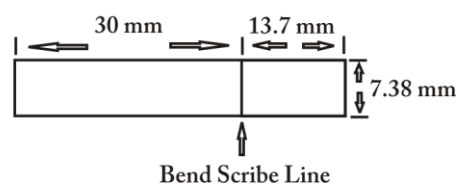
The OCX (NQOX or NOQY when fitted with 2CM Bogies) were built between 1969 and 1971 by Tulloch Ltd for the then SRA of NSW. A total of 90 wagons were built. They were very similar to the Victoria Railway VSX and South Australia Railway SFX. The steel decked wagons are fitted to carry three 20ft (6.1 metre) ISO Containers or one 40ft (12.2 metre) and one 20ft container. The other option is for two 20ft ISO containers loaded each end with the doors facing in so that they can be unloaded with a forklift without the need to take the containers off the wagon. This type of operation can serve you well for modelling purposes especially if you are modelling regional centres where container unloading facilities do not exist. The wagons can be seen from one side of Australia to another. They are still running to-day even with the mish mash of Australia Railway Carriers. Road Numbers allocated to the wagons were 14551 to 14640. Additional information on the wagons can be found in the book "Railway Freight Wagons in NSW" by John Beckhaus. Other information can be found on the AR Kits website through the links page or on other websites via the Internet.

#### Adding Weight To Your OCX/NQOX

1. A number of enquiries have been received on how to add additional weight to you OCX/NQOX with doing any damage to the model. The solution is fairly simple and can be completed with the minimum of fuss.
2. Before you even start to put you flat wagon model to-gether clean up any flash and remove the 1 degree draw angle from every vertical edge. What we must first do is cut a length of 10 thou styrene 220mm X 7.38mm to make a cap to cover the centre sill. From this strip of styrene we will make three pieces to for the cap.
3. The width of the fish belly under frame is 6.88mm so allowing for a .25mm overhang to simulate the web the strip must be scribed and snapped 7.38mm wide. See diagram 1 for the two End Cover Plates to be cut from the stock strip.

#### Diagram 1.

#### End Cover Plates X 2



4. Lay the model upside down on your workspace and make sure that all mouldings are complete. The following picture shows the uncapped end of the under floor:



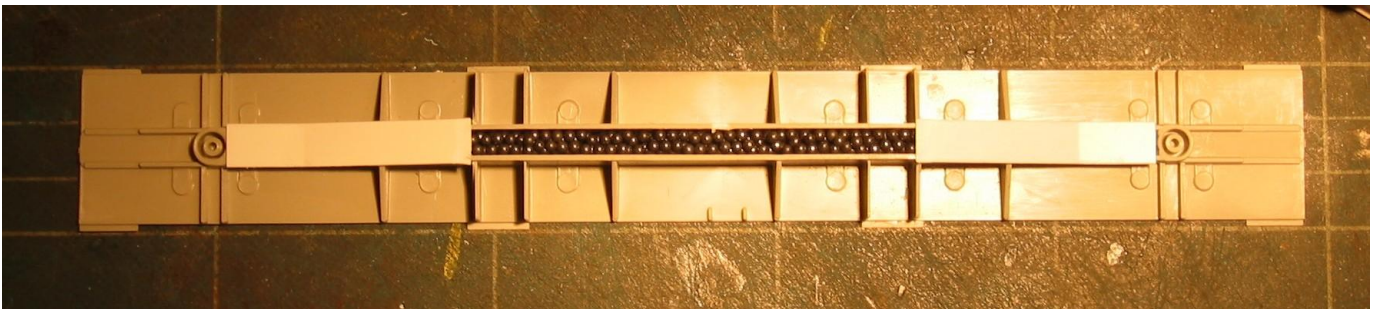
This is followed by the first capped end:



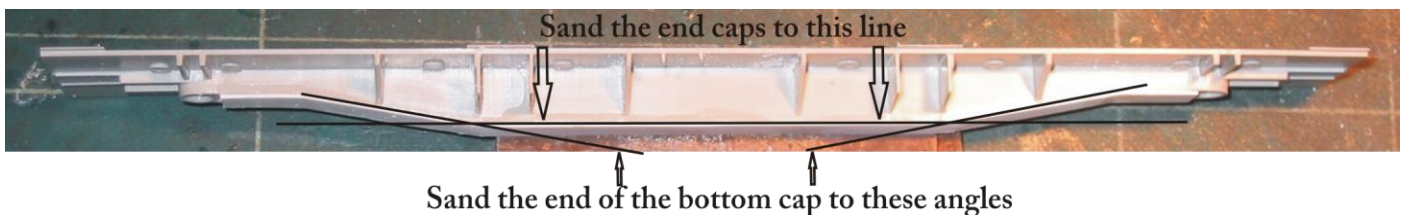
The capped end is covered with the plate bent at the scribe line to look like this:



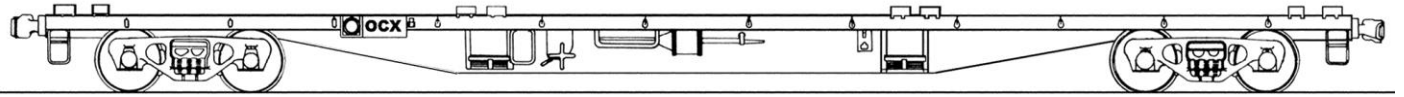
Both ends are capped. When capped sand the tops of the end caps so they are flush and in the same plane as the bottom of the center sill



5. And the pourable lead weight inserted. Tap the model and make sure the pourable lead weight is packed as tight as possible and make sure none is above the center sills. Cap the remaining opening with the remnant of the 10 thou styrene strip and leave to set. Check to ensure that the styrene is completely welded to center sill and make sure that the edges line up with the end cap edges.
6. When the join has cured it is now time to remove the excess cap at each end. This is best done with a sanding block. Please follow the lines indicated in the following picture.



7. Once you have completed this task shake the wagon to determine if you can put more weight into it. To do this lightly prise up the outer end of the end of one end cover plate enough so that with tweezers you can insert more pourable lead one ball at a time. Keep tapping the end on your work bench until you cannot fit anymore and press the outer end of the end cover plate back down and cement in place. The task is now complete.
8. The model may be further enhanced by capping the support gussets. I would suggest that you use Evergreen 1X4 inch styrene strip . The strip is not centered over the gusset but is placed so that the long side is to the end of the wagon. On the OCX/NQOX there are two individual gussets each end that can have the capping applied and another that is part of the chain box. These caps are not necessary to provide you with a great model but will continue your development as a modeller with an eye for detail.



9. As already mentioned this article was produced because a modeller was having problems and wanted to know how. The question was fair and required an answer. Remember the only stupid question is the one that is not asked. I hope that you get something from this and I look forward to doing the next one.

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