




BRADFIELD, TULLOCH AND STANDARD MIX SET

Thank you for purchasing this HO Gauge model of a Sydney Suburban Electric Train. This model was built to a scale of 3.5mm equals one foot from official New South Wales Government Railways plans and is accurate as far as modern day manufacturing processes allow.

It is designed to run on standard HO Gauge track of Codes 100. 83 or 70 size, will negotiate an 18 inch (460mm) radius curve and was manufactured to National Model Railroad Association standards.

The motor is a 12V DC (12 Volt Direct Current) flat can motor fitted with a large brass flywheel and wired for conventional control, but can be easily converted to DCC (Digital Command Control).

On each power bogie, the leading wheels are fitted with nylon traction tyres to increase the model's "pulling power".

RUNNING IN AND MAINTENANCE :

IMPORTANT. Please read thoroughly before running your train.

Apart from the motor, moving parts are sparingly lubricated at the factory to guard against oil and grease creeping over the model during transportation. Therefore, it is essential to lubricate the worms, gears and axles of power cars before running. Turn the model upside down on a soft surface, such as a folded towel, taking care that the pantograph is not damaged

On each bogie of the power car the gear on the leading axle is exposed so that a small amount of grease can be applied to the gear and at the same time apply a small drop of oil to each axle behind each wheel. For these purposes we recommend Tamiya Molybdenum Grease and La Belle Plastic Compatible oil.

On non powered models only the axles require lubricating.

While the model is upside down, connect two leads from your controller to the trailing wheels (non Powered) on either bogie. Using a very low speed, run for two or three minutes to distribute the grease through the gears and worms.

On the track run the power car on it's own at a low speed for five to ten minutes then gradually increase the load. **DO NOT OVERLOAD!** If the wheels are spinning but the train is not moving, SWITCH OFF and remove some of the carriages.

Once or twice a year depending on the amount of running, check the gears and axles and lubricate if required.

BODY REMOVAL

Turn the model upside down on a soft surface, such as a folded towel, taking care that the pantograph is not damaged.



MINIMODELS PTY. LTD.
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The body is held in place by four plastic lugs located in line with the inside end of the bogies. With a round ended blunt knife, gently slide the blade down between the body and chassis, then move it along to each bogie in turn gently prizing open the side from the chassis. Repeat on the other side.

This action will release the four lugs and the body can then be lifted off the chassis. To replace the body, position it on the chassis and gently press down until the four lugs click into place.

PANTOGRAPHS

To raise the pantograph, lightly squeeze one side inwards to release the catch on the bottom bar. The other side will then release.

To lower the pantograph, lightly push down until the catch clicks into place

COUPLERS

The models are supplied with the automatic knuckle type coupler. NOTE: The automatic knuckle type is compatible with the KADEE brand automatic coupler.

Both types of couplers are fitted on shanks that clip into the front of all bogies. To remove the type fitted, gently prise off the shank with a jewellers screwdriver or point of a hobby knife. The new coupler is simply pressed into place until both lugs on the shank are firmly in place on the bogie chassis.

TRANSFERS

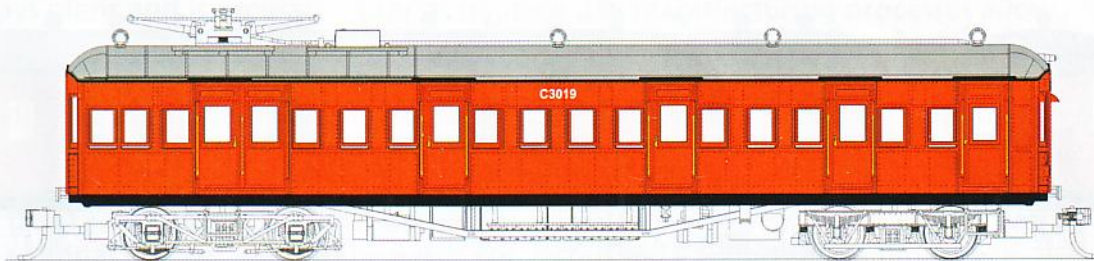
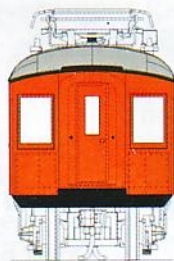
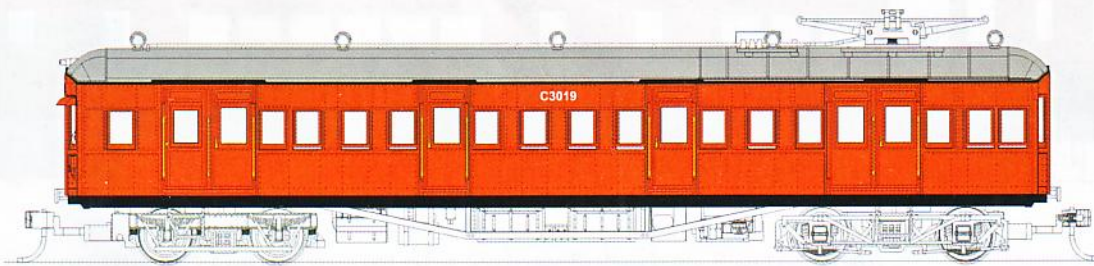
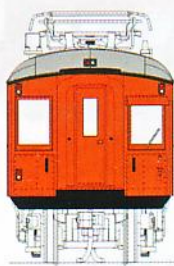
The transfers are the water slide type and allow you to individually number your models on both power cars and trailer cars. See decal layout sheets for more position details.

1. Trim margins around letters and numbers as close as possible.
2. Place transfer in warm water until almost ready to release from the backing paper.
3. Place transfer on paper towel to absorb excess water.
4. Wet area on model with decal setting solution
5. Place transfer on model then slide transfer off backing paper into position.
6. Apply decal setting solution over transfer, mop up excess with paper towel.
7. Allow twenty four hours drying time.
8. To protect transfers, brush on a coat of clear gloss and allow to dry.

ELECTRONICS - DCC

See separate instruction sheet.

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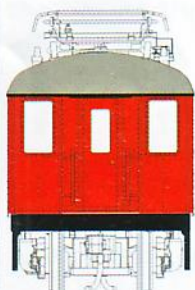
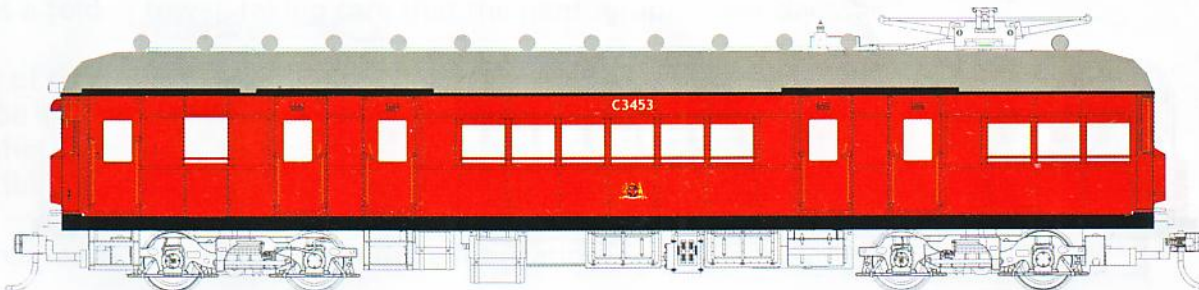
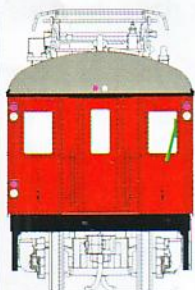


BRADFIELD POWER CAR TUSCAN RED UNLINED

Minimodels
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Ph 02 9635 8618

Decal Layout

MK	REV R1	Date: JUNE 2010
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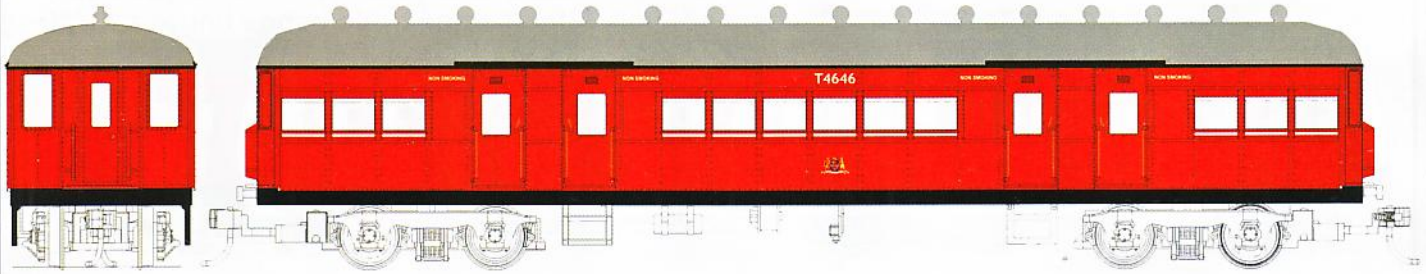
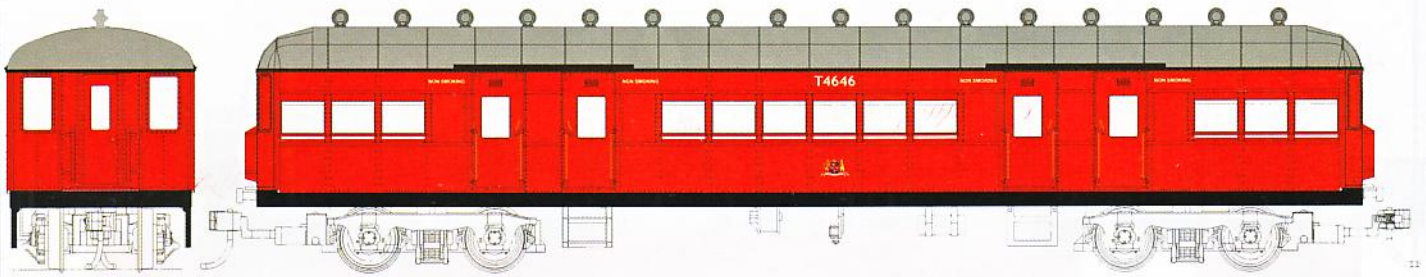
TULLOCH 40 CAR UNLINED

Note:
This drawing may not show
the correct bogie

Minimodels
181 Church Street Parramatta NSW Australia. 2150.
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Decal Layout

MK	REV. R2	Date: JUNE 2010
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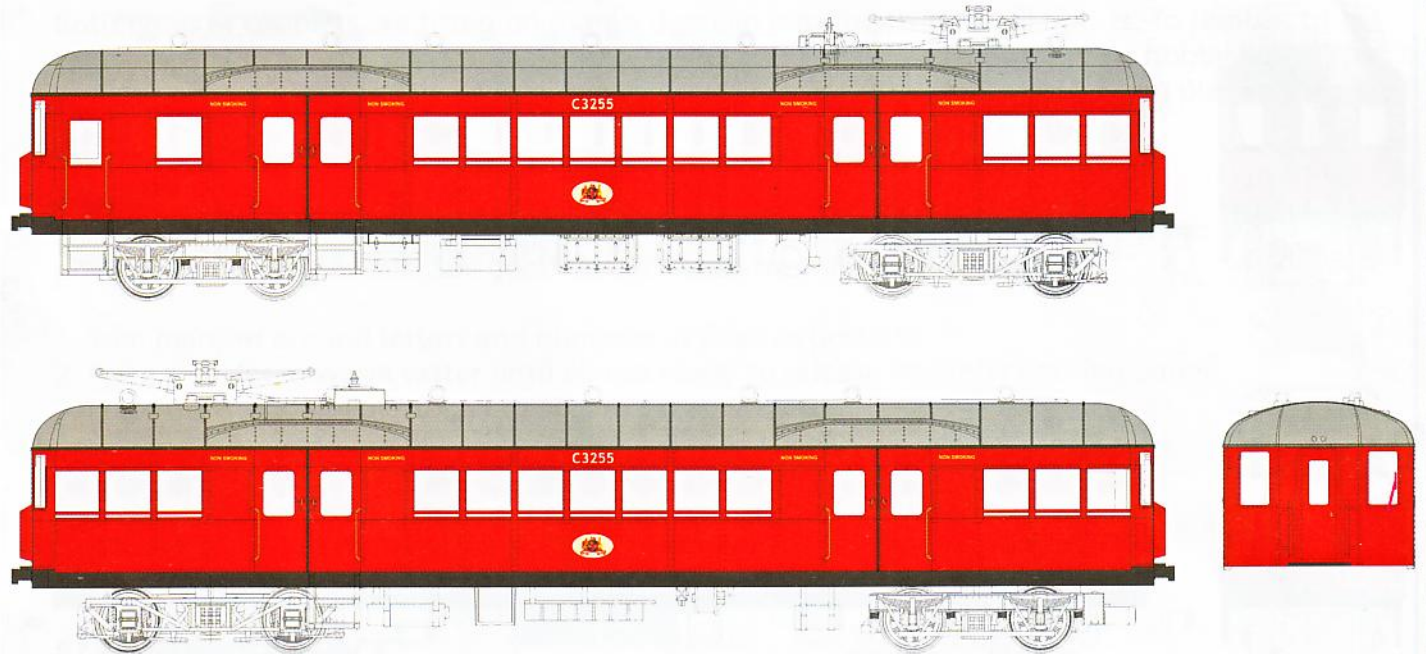
TULLOCH TRAILER CAR UNLINED TUSCAN RED

Note:
This drawing may not show
the correct bogie

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Decal Layout

MK	REV R2	Date JUNE 2010
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CLYDE POWER CAR TUSCAN RED (1968)

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Decal Layout

DRAWN BY MK	REV	Date AUG 09
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