

N.S.W. TWO CAR DIESEL - DATA LIST.

Revised April 82

There were three (3) main series of non-air conditioned sets.

600 class power cars 601 - 610 inclusive recognised by no louvre section in centre of power car, some medium 3ft LW windows in each car (rectangular door ports.) Power car codes are FPH, SFP, and WFP. 700 class trailers CT and SCT.

621 class 621 - 631 inclusive has louvre section in middle of power car, all 2.5 ft. windows and rectangular door ports. Power car codes NPF and trailers 721 - 731 are NTC.

632 class 632 - 638 inclusive has louvre section in middle of power car and all 2.5 ft. windows (round door ports.) Power Car codes are GPF, HFP and MPF, trailers are GTC 732-738. Normally 621 power car is paired with 721 trailer etc.

List of abbreviations used:- FE flat end, W normal 2.5 ft window, T toilet, L louvre, DO door with round port, D[] door with rectangular port, WDO or WD[] wide door, LW long window (3ft), P power section without louvre, S space (window omitted), RE round end, XLW extra long window 5'.

GTC is trailer as drawn on drawing one. 732 - 738 inclusive.

NTC is trailer similar to GTC but has rectangular door ports 721-731,

NPF power car similar MPF but has rectangular door ports 621-631. FE, D[] 7W, L, 7W, d[], RE.

MPF power car as drawn with bars over 6th window 2PG bogies 638 only.

HFP power car has FE, DO, 7W, L, S, 5W, WDO, RE. Nos. 633, 634, 636, 637.

GPF power car has FE, DO, 7W, L, 2W, S, 3W, WDO, RE. Nos. 632 and 635.

CT trailer car has FE, D[], 6W, T, 7LW, D[], RE. (2TB bogies Nos. 701, 702, 704, 705, 707-710 inclusive.

SCT trailer similar to CT Nos 703 & 706.

FPH power car has FE, D[], 8W, P, S, LW, S, LW, S, LW, WD[], RE. Nos. 601, 604, 605, 608, 610. 2PG bogies.

SFP power car similar to FPH. Nos. 603, 606. 2PG bogies.

WFP similar to SFP and FPH externally. Nos. 602, 607 & 609.

On prototype car the sides are bowed out slightly except at FE and RE.

REBUILDS.

Some 600 class cars have been fitted with heavier power units, are now called 660 class and carry a louvre but still carry code FPH. The trailer cars have no external changes and have been renumbered 760 to suit

AIRCONDITIONED. (AC)

The air conditioned power cars are numbered in 900's and are coded HPF & PF

Square end AC trailers are numbered in 800's for buffets and 750's for full seating cars. Codes TBR, TFR & TB, TC respectively.

The AC cars run in 3 car, 4 car, and 7 car DEB sets, which consist of HPF, TCR, PF and HPF, TBR, TC, PF. AC cars have some extra long windows (XLW)

The non air conditioned cars are sometimes marshalled with AC cars in peak traffic (Holidays) periods.

N.S.W. DIESEL BODY KIT

The following should be supplied by Lithgow Kits (formerly Zig Zag kits).

- 1 brass floor.
- 1 brass trailer car body (with toilet window at centre)
- 1 brass power car body (with louvres)
- 2 plastic headlight end mouldings.
- 2 pilots (cowcatchers) shim copper or brass
- 1 plastic fan and exhaust moulding per power car.
- 2 wooden roof sections.
- 2 metal brackets per trailer car
- One drawing showing typical trailer and power car
- Instruction sheet and data list.
- 2 3/16 brass nuts per trailer car (bogie bolsters)

SUGGESTED POWER CAR DRIVES. (lengthen/shorten to suit)!

Japanese "SPUD" self propelled bogie Type "B"

Atlas or Athearn diesel mechanism (R.P. 25 wheels)

Jouef Lima Hornby have coarser wheels but should work well.

Virtually any type of 2 axle drive bogie will do because car body conceals most of bogie.

Any drive unit will haul a 2 car set. If roofs are hollowed out for lightness one drive unit suits a 4 car set.

ASSEMBLY INSTRUCTIONS

NOTE. Kits are designed to have roofs permanently fixed to car body. (ie. removable floor)

1. Trial fit wood & plastic roof sections so that rebated low edge of roof fits inside brass body. Parts should be adjusted to fit neatly but do not use force.
2. Clean and roughen top inside of brass body using emery cloth etc then use araldite etc. to glue roof to body
3. Glue angle brackets to roof one toward each end. Large end of angle points downward. See diagram page 2

NOTE. Most builders will not require brass floor for power car (available on request) and will use chassis of chosen drive unit instead.

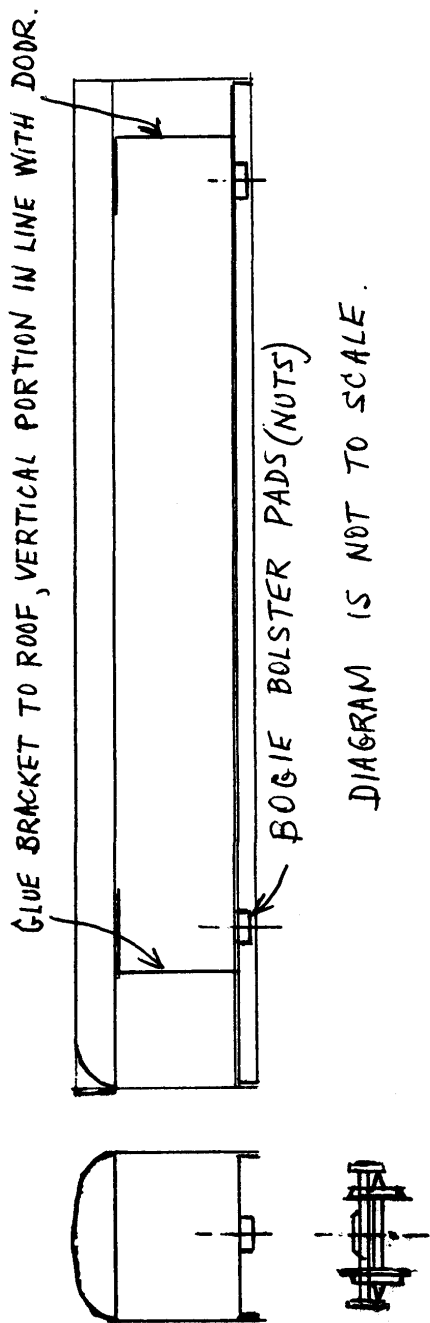
3. The floor unit of both power and trailer car should not be permanently fixed to body. This allows glazing of windows using clear X-Ray film etc. after exterior painting is done & allows access to mechanism.

NOTE. Steps 5 and 6 apply to trailer car mainly

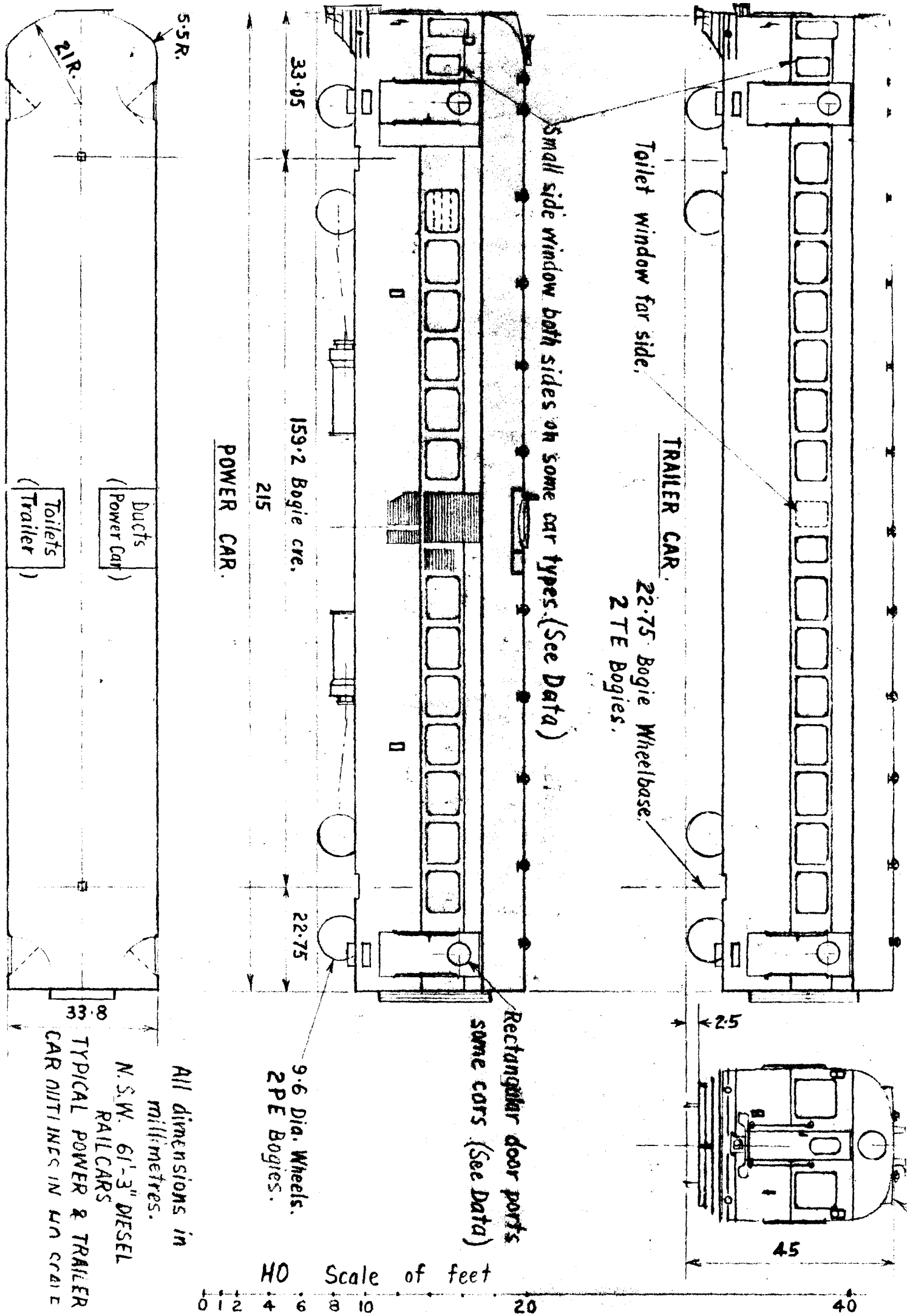
5. Trailer floor fits into car with flange down (see diagram page 2) Glue brass nuts to underside of floor to act as bogie bolster pads.
6. Fix loosely the bogies to floor using metal thread screws heads down, nuts above floor. Slip body over floor unit, check height and trailer main assembly is complete
7. Add pilot (cowcatcher) to driving end of both power and trailer car
8. On power car add heat vent and exhaust moulding to centre section of roof.
9. On trailer car place white paper behind X-Ray film to make toilet windows look obscured.

SUPER DETAILS.

10. Make up and add buffing (buffer) plates to round ends
11. Add couplers of choice.
12. Add diaphragms to square ends of cars
13. Add roof vents in positions shown (small nail heads?)
14. Paint step recesses under side doorways. Be careful that hanging step if used does not foul bogie when on curve.
15. Drill 1/32" holes through body and add wire grab handles each side of all doors.
16. Make up and add marker lights at round ends add multiple unit plugs, air hoses etc.
17. Add horns to each round end roofs
18. Add undercar details
19. Paint and line out. Main colour is Indian Red, lining and numbers are yellow, roof silver, and undergear dull black



N.J. updated Dec. '81



Toilet window far side.

TRAILER CAR.

22.75 Bogie Wheelbase.
2 TE Bogies.

Small side window both sides on some car types. (See Data)

Rectangular door ports
some cars (See Data)

9.6 Dia. Wheels.
2 PE Bogies.

POWER CAR.

159.2 Bogie cre.

215

22.75

25

45

40

HO Scale of feet
0 1 2 4 6 8 10 20

All dimensions in
millimetres.

N.S.W. 61'-3" DIESEL
RAILCARS
TYPICAL POWER & TRAILER
CAR OUTLINES IN HO SCALE

Ducts
(Power Car)

Toilets
(Trailer)

5.5R.

21R.