

Connoisseur Models North Eastern Railway Class E,
LNER Class J71

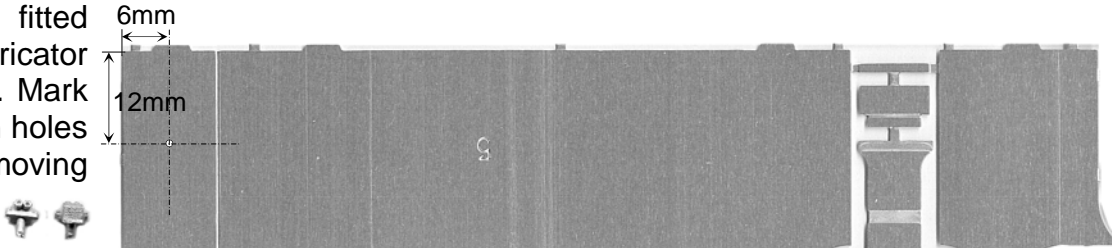


Connoisseur Models LNER Class J71 Additional Instructions


The J71 kit was originally produced in 1990. At the end of 2013 the current casting moulds were completely worn out and required replacing. Since 1990 standards of sophistication expected from a kit have risen and so the opportunity was taken to improve the selection of castings provided by including in the new moulds suitable castings from kits developed after 1990. I have also made by fabricating from etchings or modifying castings a few new masters to improve the cab interior.

I think that the improved castings have refreshed the standard of the finished model that can be built from the kit but some new castings don't exactly match the original etchings or instructions. A little extra work is required by the modeller to accommodate them and this is detailed below. There is also a few areas where a little modification will improve the appearance of the finished loco. I would suggest doing this work as you remove the parts from the main fret.

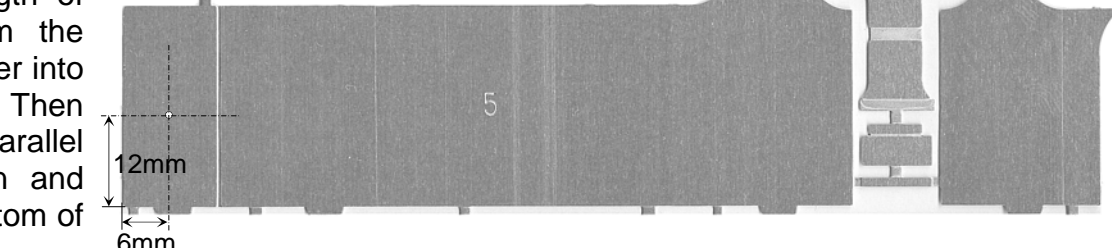
Many locos were fitted with a twin pipe lubricator on each tank front. Mark out and drill location holes for these before removing parts from fret



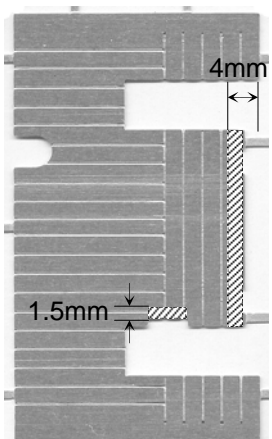

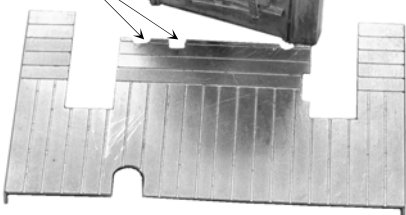
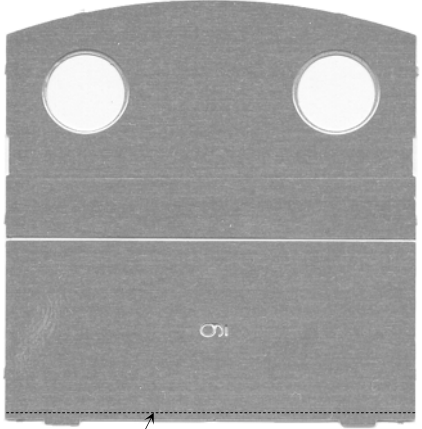
If your eyesight is good enough you may wish to represent the fine oil pipes so before fitting to the tank fronts drill out the pipe union nuts to give a slight rebate into which the pipe work fabricated from 24swg soft wire can be located.



I then fold a length of wire into two, trim the ends level and solder into the pipe union nuts. Then form the two parallel pipes to run down and then behind the bottom of the tanks.



I have produced a backing plate to project the original backhead casting further into the cab. The intention is for the backhead to be assembled and painted separately and then glued to the cab front in the final finishing of the loco (*assemble backhead now and use to check location of cab components*). The cutout in the cab floor should provide a gentle location for the backhead base so file extra clearance to achieve this. Also the location slot for the reversing lever will require deepening.

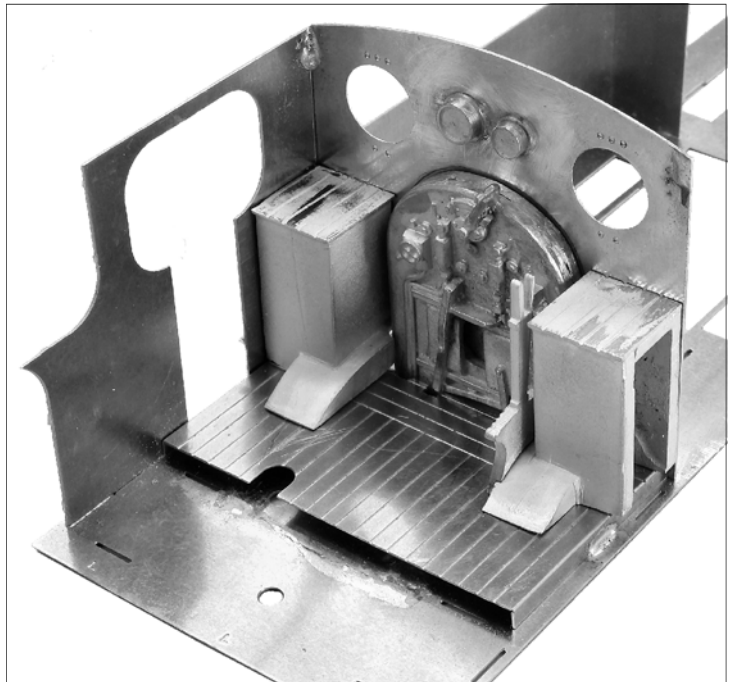
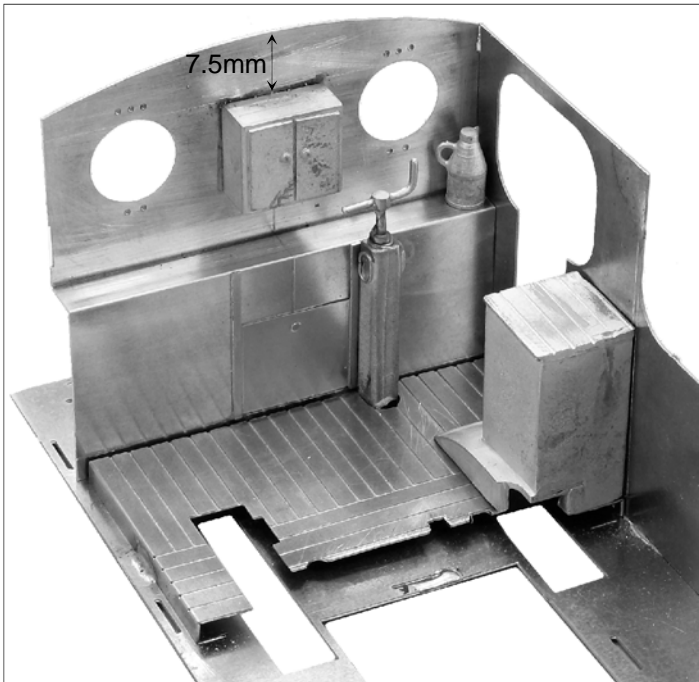
When the kit was originally developed I provided etched components to form splashers on the cab floor above the wheels (parts 8 & 8a) as this was the arrangement that I interpreted from the GA drawing. I subsequently found out that the water tanks also extended into the cab and blended into the splashers. So I have fabricated masters for alternative castings to represent this. I have also provided a cast reversing lever that you may wish to use as an alternative to the etched one.



Drill hole in handbrake column and fit handle. Test the columns fit into the cutout in the cab floor and then use the column to determine the position of the coal shuter (part 9a) so that its R/H rail will just clear the column.

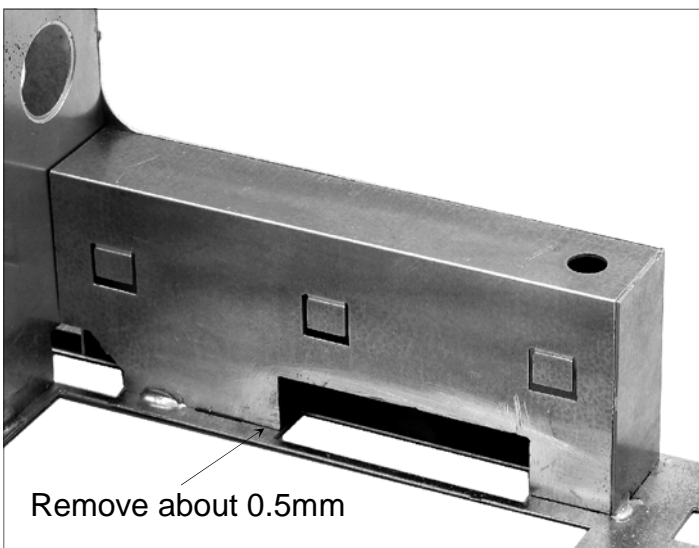
The cab back cupboard requires fitting centrally and set down so that it doesn't interfere with the inner cab roof (about 7.5mm).

I hope that this mock up of the cab components will make everything clear.



As developed the tank tops are virtually flush with the top of the tank sides. I would recommend removing about 0.5mm (*metal thickness*) from the bottom of the inner tanks. This will set the tops below the sides and improve the appearance of the finished loco.

If required some strips of waste etch can be added to the fold out tabs to maintain the correct boiler top height but first test fit the boiler and compare its fit against the smokebox to determine if this is required.



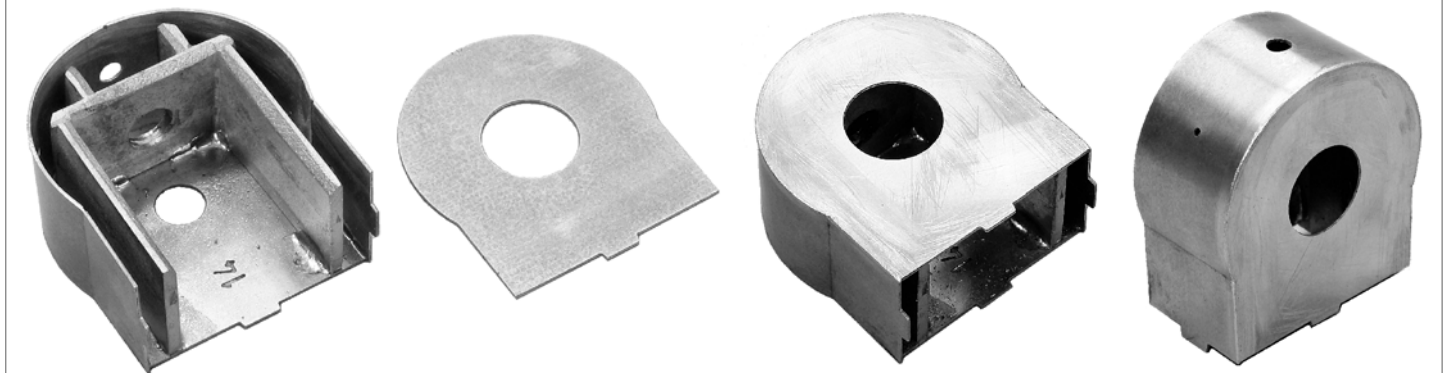
I have provided a cast spacer to fit inside the smoke box and come within a metal thickness of the edge to provide a support as you solder the smoke box back (part 16) into place.

As castings never come out an exact size check that it is of correct thickness by first offering it into place and checking by eye that it is a metal thickness less all around the edge of the wrapper. I have provided tapered edges on one side to help with any filing required

Then press the smoke box back into place and make any slight adjustments to the spacer until the edges of the smoke box back are flush with the edges of the wrapper.

Once happy with the spacer solder it into place. Then fit the smokebox back (part 16).

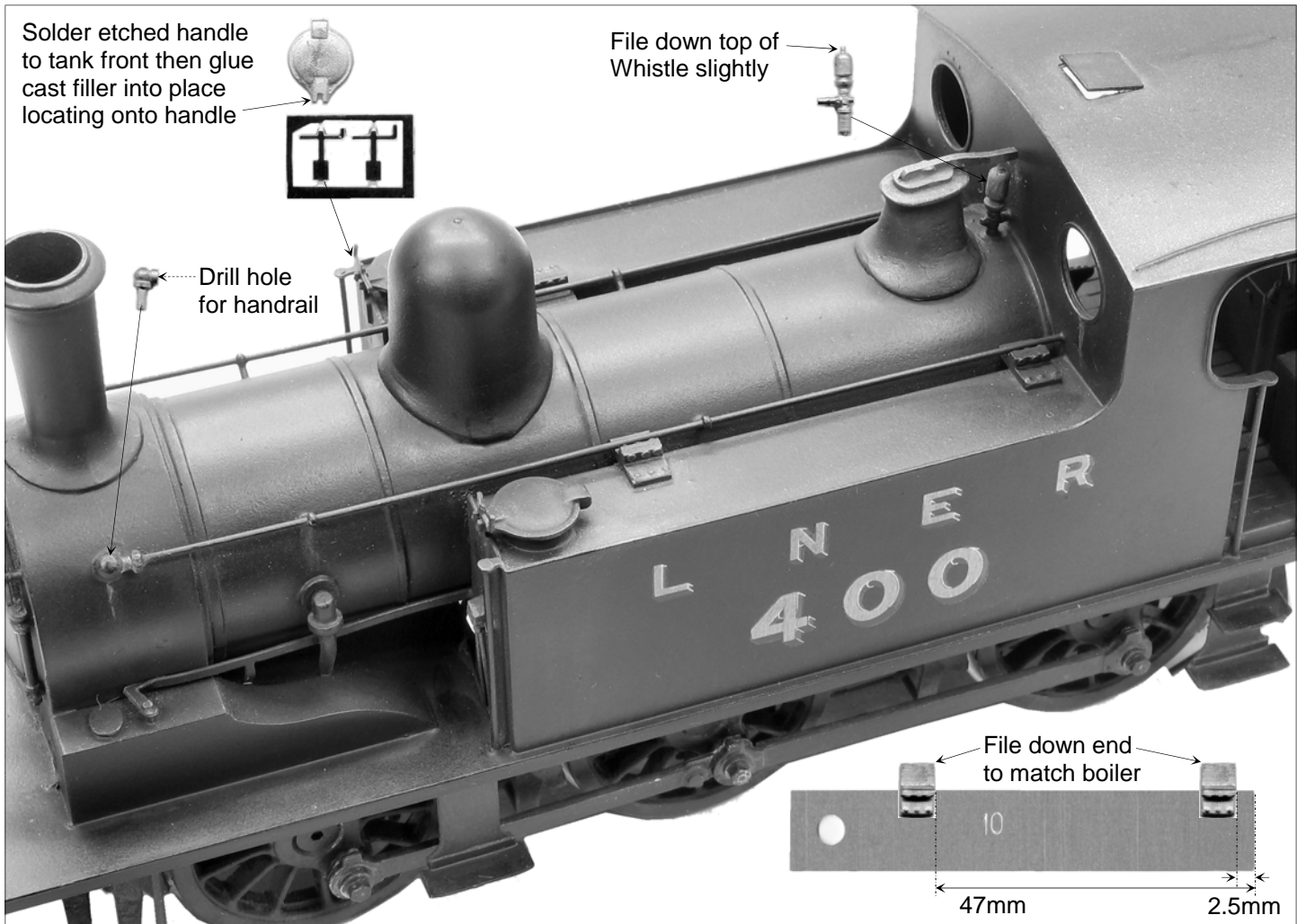
Drill hole clear (6mm) diameter



Solder etched handle to tank front then glue cast filler into place locating onto handle

File down top of Whistle slightly

Drill hole for handrail



LNER Class J71 Parts Identification and check list

2 X 10" length 0.45mm hard brass wire for wiper pickups. 3 X 10" length 0.7mm brass wire. 2 X 10" length 0.9mm brass wire. 1 X 6" length 22 swg soft tinned wire (rainstrips). 1 X 6" length 20 swg soft tinned wire. 3 X turns 24 swg soft tinned wire (lubricator pipework). 1" X 2.4mm brass rod for axle compensation. 1" X 1.8mm copper rod for coupling rod joint pin.



Printed Circuit Board Strips
For Use With Wire Wiper Pickups



6 X Turned
Axle Bearings



Split Pins X 11
For handrail
supports



6BA Brass Screws X 2
6BA Brass Nuts X 2

Electrical Wire
For Pickups.
1 X 18" Black
1 X 18" Red



Brass Links For 3 Link
Couplings X 6



4 X Tank Top - Boiler
Securing Brackets



1 X Alternative
Cylinder Cover



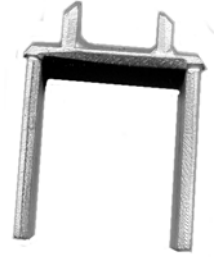
1 X Alternative Front Buffer Beam.
A strengthened beam was fitted to
front only on some locos. Fit casting
ontop of etched beam (part 2).



1 X Cab
Backhead



1 X Backhead
Backing Plate



1 X Smokebox
Spacer



1 X
Handbrake
Handle

1 X Cab
Handbrake
Column



1 X Chimney



1 X Smokebox
Door



1 X Dome



1 X Smokebox
Locking
Handwheel



1 X Alternative
Smokebox
Locking Handles



2 X Cab Gauges

1 X Whistle

1 X Blower Valve



4 X Parallel
Buffers



4 X LNER Group
Standard Buffers



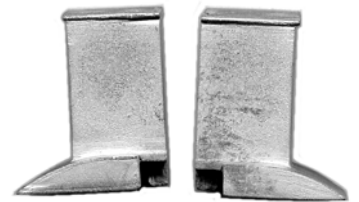
4 X Alternative
Tapered Buffers



2 X Clack Pipes



1 X Alternative
Reversing Lever



1 X L/H & R/H Cab
Tank/ Splasher



1 X Cab Cupboard



2 X Tank Front
Two Pipe Lubricators



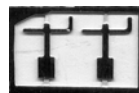
2 X Tank
Fillers

1 X
Safety Valve
Lever

1 X
Safety Valve
Body



2 X Front
Sandbox Fillers



2 X Etched Tank
Filler Handles

1 X Alternative
Safety Valve