

# EUROING ENG-009 Faur L18H Diesel

## Prototype Info

The L18H were produced by the Romanian locomotive builder 'Faur' in Bucharest between 1984 and 1986. Available in gauges from 600-1000mm and powered by a 6 cylinder MAN diesel engine, developing around 180bhp driven through a hydraulic transmission. The locomotives were equipped with compressed air train and engine braking as well as a manual locking hand brake.

Thank you for purchasing this EuroNarrowGauge kit, we hope you enjoy building and operating it. Please read through the instructions thoroughly before beginning assembly.

### Parts required:

0.4mm brass rod.  
Glazing material.  
Optional RT Models headlights  
Optional airbrake pipework.

### Tools required:

Sharp craft knife or scalpel  
Tweezers  
Needle file

Wet and dry paper  
Superglue  
0.45mm drill bits  
Twist drill or minidrill



## About the kit

The kit is comprised of a 3D printed plastic body shell and a fret of etched nickel silver detail parts. Limited folding of these parts is required and they can all be glued in place. We recommend sparing use of liquid superglue for assembly, ideally using a bottle with a thin applicator nozzle.

Due to the nature of the 3D printing process, some support material may still be present on the body. This waxy residue has been cleaned during our checking process, but it can be a good idea to submerge the model in white spirit, agitated gently with an old tooth brush and leave to dry. The plastic used may be easily cleaned up with a sharp knife and fine wet and dry paper or emery boards to remove any roughness left from the support material used during production.

Please note this is a scale model for adult collectors and not intended for children under 14 years of age.



Prototype shown on a period postcard from a railfare in Eastern Europe during the 1980s, unknown source.

## Assembly Notes

**1 • Clean up the 3D printed body** • Use a fine wet and dry paper (640 then 1200 grade if possible) in water to achieve a smooth finish to the cab sides, doors and bonnet front. Rinse the model in a white spirit to remove any traces of printing residue or grease from handling.

**2 • Check the donor chassis** • The kit is designed to fit a Graham Farish Class 08 outside framed diesel engine chassis. Before removing the body and outside frames from your donor locomotive it is suggested you run the model in following the manufacturer's instructions.

**3 • Test fit the body** • Offer up the kit body to the chassis to check for alignment and fitting. No adjustment should be necessary, but if required remove a small amount of material with a sharp craft knife or needle file from the 3D print. The chassis is a push fit, but can be secured with the original Graham Farish screws into the print. The kit provides flycrank extensions to represent the large counterweights fitted to the prototype. These should be superglued carefully to the existing Graham Farish flycranks.

**4 • Detailing** • The etched parts can now be carefully removed from the fret, taking care to only remove the parts you need to avoid the risk of loss or damage. Carefully remove each part from the fret using a sharp knife on a cutting mat or similar hard surface, or sharp needle nosed scissors to minimise the risk of damaging thin parts. Clean up the tags. Refer to the 'Parts Fitment' diagram. The kit includes the Narrow Planet 'Bosna' couplings, we recommend the use of RT Models small headlamps if you wish to add these to the front and rear of the locomotive. The prototype locomotive shown in the pictures uses air brake pipes sourced from Hornby as spares for the Class 31 diesel locomotive, although other brands are available. In use, the train airbrake pipes were often removed later in their lives.

**5 • Weight** • To improve the performance of the model it is suggested that some strip lead is added within the bonnet. There is space to add this to both sides and still fit the donor chassis into the print. This is available from Eileen's Emporium or any plumbing supplier. It is recommended that this is secured with superglue to avoid the risk of blooming of the lead.

## Painting and finishing

To ensure a quality finish we recommend applying two thin coats of primer, with a gentle sanding in between to remove any surface defects. We recommend Halfords car plastic primer, which is grey, easy to apply, widely available and provides an excellent surface for further detailing. Leave the primed model for a few days to harden.

The prototypes were supplied in an orange livery with dark grey chassis. Over time this was modified by private owners.

The kit provides some custom printed transfers. The prototypes carried various patterns, and if you require something specific then we recommend contacting Precision Decals. The provided transfers are printed on a continuous backing, so need to be cut out close to the transfer print to minimise the carrier film. Soak off the backing paper in luke warm water, and use Micro-set as a surface preparation on the model before applying the transfer. Once moved into position press down firmly with a dampened tissue. sparing use of Micro-sol decal solution will encourage the transfer to adhere to awkward shapes, especially the front grill. Enough lining is provided to complete the model.

The etched number and speed detail plates can be fitted on the cab sides as a finishing touch.

## Parts Placement



### 1 • Buffer beams •

Formed from two laminated pieces.

### 2 • Lifting eyes •

Folded, angled edge. Note orientation - the flat portion faces the buffer.

### 3 • Bosna coupling •

Simply super-glued in position. Check height using a height gauge.

### 4 • Light brackets •

Folded, rounded corners. Note orientation - the flat portion faces the grill.

### 5 • Sand box covers •

Hinged at the bottom edge.

### 6 • Bonnet doors •

Check they are flat before fitting.

### 7 • Bonnet covers •

Roll the edges using the handle of a needle file. Large, small, large panel, note the one by the

### 8 • Grilles (x4) •

These are optional, and in reality cover

### 9 • Rear window grill •

Protective grill fitted by gluing along the edges.

### 10 • Cab handrails •

The cab handrails are formed from 0.4mm brass rod and fit into the preformed holes.

### 11 • Number plates •

Optional number and speed restriction plates can be fitted to the cab sides. These are used on Romanian examples.

### 12 • Side bonnet handrail •

Formed from 0.4mm brass wire. If this is fitted you will need to drill four holes along each bonnet, equally spaced.

### 13 • Flycrank balance •

Balance weights superglued to the Graham Farish outside cranks.

## Acknowledgements

We would like to thank members of the 009 Society and NGRM-Online for their feedback and support in the production of this kit.

## About EuroNarrowGauge

EuroNarrowGauge was founded in 2014 with support from Narrow Planet. This kit is part of an expanding range of European prototypes and was designed by James Hilton. If you have any queries about the model or instructions please get in touch.

## Contact Details

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