



100-401



201-307-A



203-301-C



M-368-01-FM



001-356



040-300



205-301



700-222



701-201



702-302-B



730-127



704-493



705-126



706-201



707-300-B



708-300



709-380



710-551



712-759



713-956



714-751



720-362-P



721-366-B



760-127



761-198



850-14x

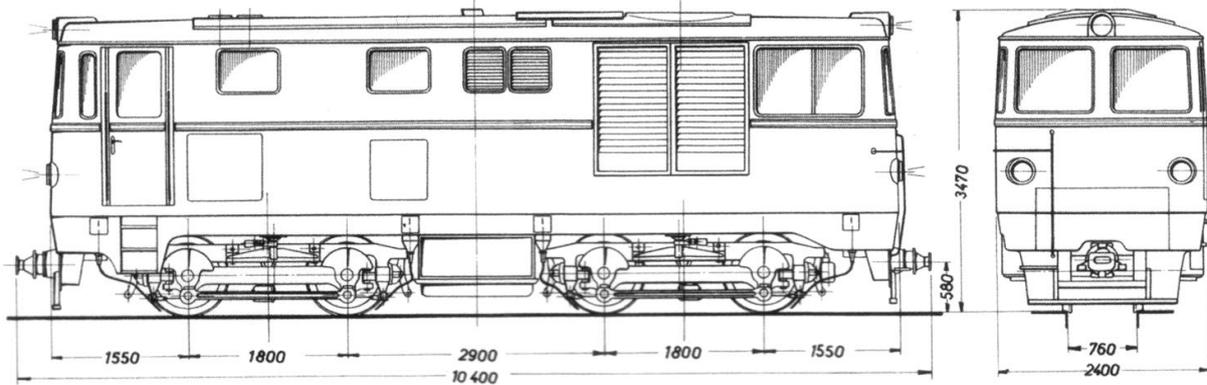


1001-101



FERRO-TRAIN

The 2095 class B' B' Narrow Gauge diesel loco



B' B' diesel-electric locomotive for 760 mm track Class 2095

Starting 1958 the ÖBB started to procure a series of B' B' diesel locomotives with 600 HP power. The numbers 2095.01 to .03 still had a steam heating system and differed in several details from the later series 2095.04 to .15. Those were intended for consists with Webasto heating system. The class 2095 locomotives are still in daily use, predominantly on the tracks of the Pinzgaubahn and Mariazellerbahn.

Technical Data:

Overall length	10,8 m	Wheel diameter	820 mm
Width	2,5 m		
Height, max.	3,55m	Fuel tank	350 l
Service weight	23,2 t	Traction weight	12,2 t
Weight, empty	22,0 t	Meter Weight	2150 kg/m

These instructions are valid for all our class 2095 models:

All models are sold with a small set of additional parts, which are not factory mounted. On this sheet, we provide all instructions for the correct mounting of the additional parts.

The 2095 models use chassis parts of Stängl and Salber Ges.m.b.H. and a Faulhaber motor. This ensures smooth and quiet running. The models are prepared for fitting of a decoder. If you wish to do this, a ballast weight can be removed to make room for the decoder. If no socket for the decoder is fitted, this means that you should solder the decoder wires directly to the pc board. This sheet provides the necessary instruction.

PLEASE NOTE: All parts of the Stängl pc board (until 2012) and the Faulhaber motor are rated for a max. DC voltage of 12 Volts. Older DC power packs sometimes have a higher max. voltage of up to 16, 20 volts. Check your power pack and do not apply more than 12 V to the rails. Newer models have a digital board and can be used universally.

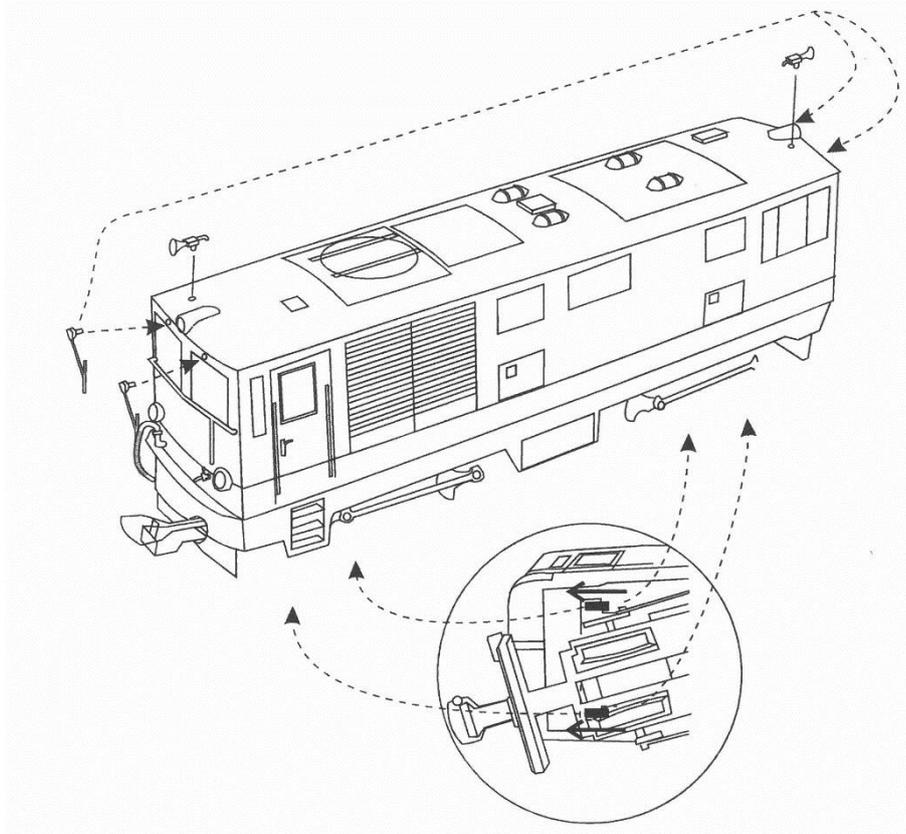
The motor, an ironless motor by Faulhaber, is mounted in the middle of the chassis between the two bogies. Current pick-up and traction is ensured by all four axles. The counterweights are only pushed onto the axle ends and can be removed or adjusted with a pair of tweezers. Caution: the connecting rods are easily deformed!

OPENING THE MODEL: the loco body is held to the chassis by four black „hooks“. To remove the top, those hooks have to be released on one side first, then on the other side, while you pull slowly upwards to separate top and chassis. For mounting the decoder, please see the back side of this instruction sheet.

Attention! Do not touch the fine coupling rods, they will bent and damage the model!

Mounting the additional parts:

The holes for mounting the additional parts should be drilled in the described locations using a 0.8 mm drill. Place the part on the model, mark the location and drill the hole(s). For the window wipers, the holes are to be drilled in the middle above the windows. On the roof, holes have to be drilled for the typhoons and, if you use them, for the antennas. The brake hose is mounted on the left side of the loco front. The parts can be push-fitted in the holes, but we recommend to secure them with a small droplet of adhesive. On some models, metal number plates are also to be fitted. We recommend for all those operations the use of a solvent free cyano-acrylate adhesive (Styrofoam adhesive).



If you wish, FERRO-TRAIN can mount to additional parts for you for an additional fee of € 20,-- (No shipment)

Fitting a decoder in a FERRO-TRAIN class 2095 loco:

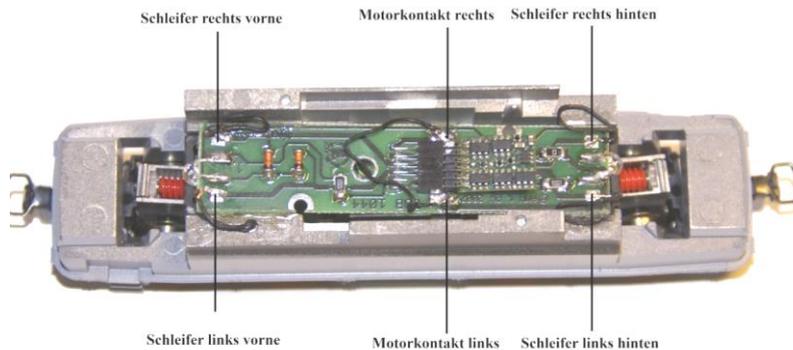
If you intend to fit a decoder in you class 2095 loco, please observe the following instructions::

- Do not mount the additional parts yet! If your model has them already mounted, try to remove the handrails and fit them later again after the decoder has been mounted.
- Use a commercially available decoder with wire connections for N-gauge and read the instructions of the decoder. If your model already has the EHE2095-DIGI pc board, you can use a 6 pole H0e decoder with connecting pins, which are inserted in the socket.
- Ferro-Train does not assume any responsibility for, or provide a warranty against any damages related to the fitting of the decoder. For less experienced modellers, we recommend to use the services of professional decoder fitting companies.

Open the model as describe on the previous page and check:

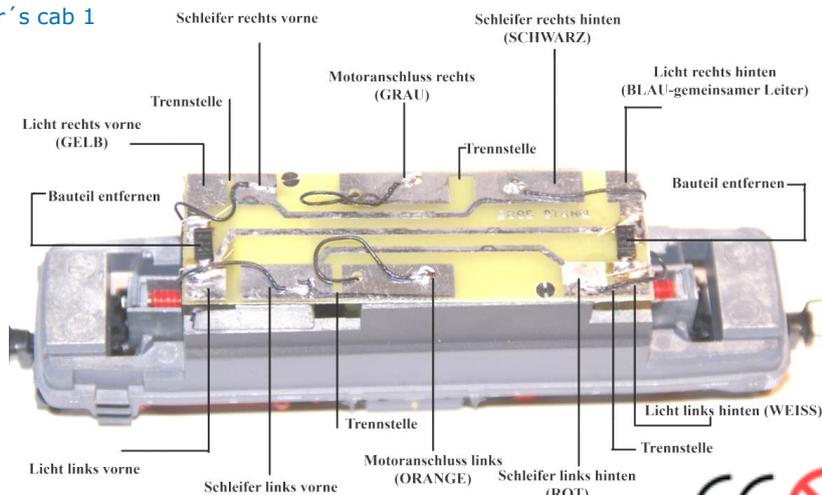
- 1.) If you have a model with the new FERRO-TRAIN Digital Board EHE2095-DIGI, fitting the decoder is "plug and play"! Remode the existing (analog) plug from the decoder socket, and insert the decoder of your choice (pls observe the orientation). You can also replace the older "Stängl" pc board with a new one: Remove board and weight, and solder the leads from motor and current pick-up in the indicatd places. Then insert the decoder in the socket of the new board.

driver´s cab 1



- 2.) If your model is fitted with a pc board made by Stängl, it is not quite so easy. This board is of comparatively simple construction, but requires several steps for conversion to digital running: Remove the two screws and the small weight. The decoder will later be mounted right where the weight was. On the board, remove the 2 metal traces called "Trennstelle" with a fine file. Also remove the components marked in the drawing by "Bauteile entfernen", they could disturbe digital operation. Solder the decoder wires according to the colour code provided in the drawing to the solder pads. Glue the decoder to the underside of the pc board and mount the board in the loco again.

driver´s cab 1



Made in Austria!



Achtung! Dieses Modell ist KEIN SPIELZEUG! Nicht geeignet für Kinder unter 18 Jahren wegen abnehmbarer und verschluckbarer Kleinteile. Bei unsachgemäßem Gebrauch besteht Verletzungsgefahr durch scharfe Kanten! Dieses Produkt darf am Ende seine Nutzungsdauer nicht über den normalen Hausmüll entsorgt werden, sondern muss an einem Sammelpunkt für Recycling von elektronischen Geräten abgegeben werden. **Attention!** This model list NOT A TOY! Risk of injury if handled improperly. Beware of sharp edges! At the end of its useful life recycle this product at a collection point for electronic equipment. **Attenzione!** Pericolo di lesioni, se gestita in modo improprio. **Atención!** Este lista de modelos NO ES UN JUGUETE! Peligro de lesiones si se maneja de manera inadecuada. Tenga cuidado con los bordes afilados! Al final de su vida útil reciclar este producto a un punto de recogida para equipos electrónicos. **Pozor!** Tento seznam modelu není hračka! Nebezpečí zranění při nesprávném zacházení. Dejte si pozor na ostré hrany! Na konci své životnosti recyklovat tento výrobek na sběrném místě pro elektronické zařízení.

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