

# MICROMOTOR HR031C



Roco BR 24, PKP Oi2  
Glockenankermotor Umbau Spur H0  
Coreless motor upgrade H0 gauge  
Klokankermotor ombouwset H0

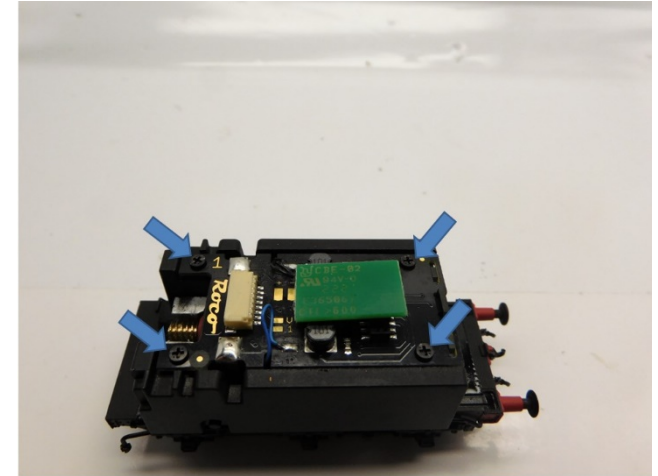
**Warning!** This product is not a toy and is not suitable for children under 14 years contains small parts. This product contains electronic parts so do not throw them in the household waste but hand them in separately. The EU WEEE directive applies.

**Achtung!** Dieses Produkt ist kein Spielzeug, nicht für Kinder unter 14 Jahren geeignet, enthält Kleinteile. Dieses Produkt enthält elektronische Teile. Werfen Sie diese daher nicht in den Müll, sondern getrennt einsammeln. Es gilt die EU-WEEE-Richtlinie.

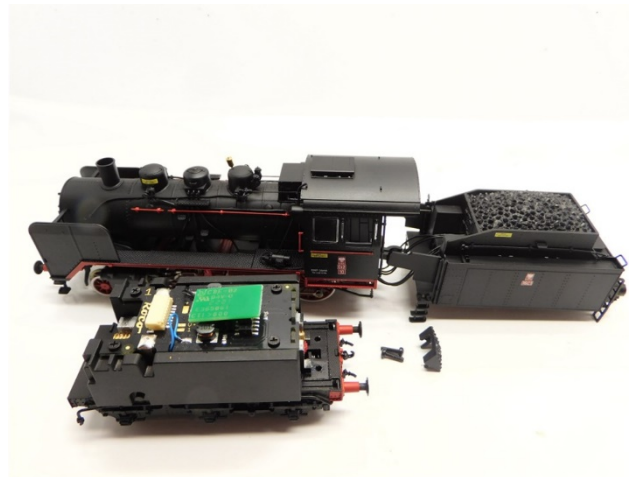
**Opgelet!** Dit product is geen speelgoed, niet geschikt voor kinderen onder de 14 jaar, bevat kleine onderdelen. Dit product bevat elektronische onderdelen, gooi dit daarom niet bij het huisafval maar lever dit apart in. WEEE-Regelgeving van de EU is van toepassing.



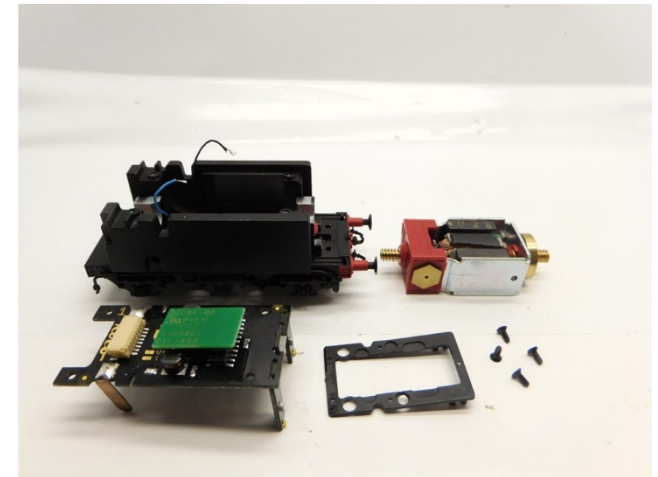
Gehäuse entfernen  
Remove housing  
Verwijder de kap



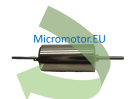
Platine entfernen  
Remove PCB  
Verwijder de printplaat

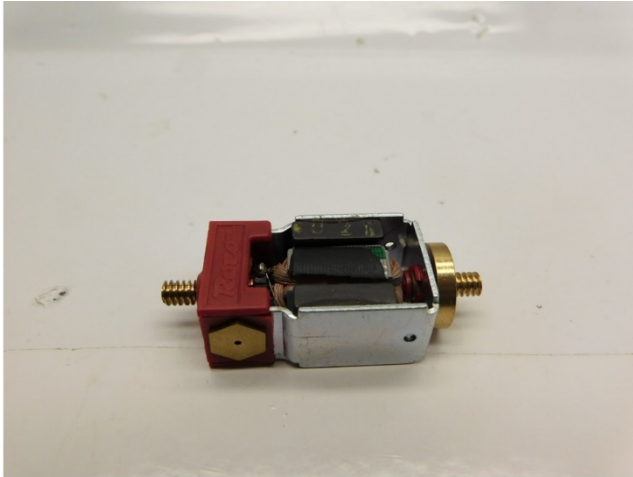


Gehäuse entfernen  
Remove housing  
Verwijder de kap

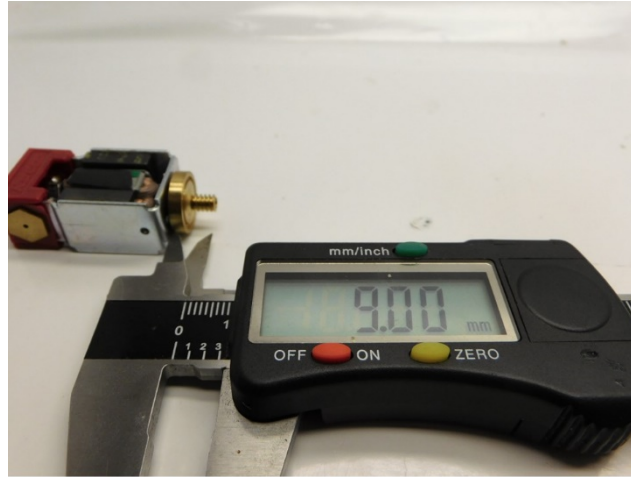


Ausbau alter Motor  
Take out the old motor  
Demonteer de oude motor

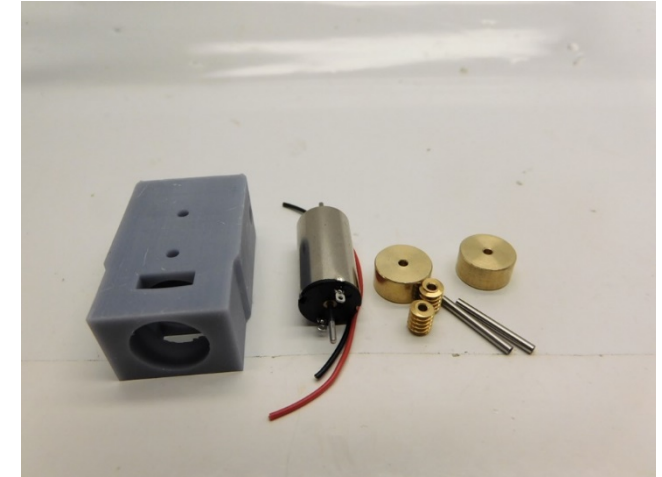




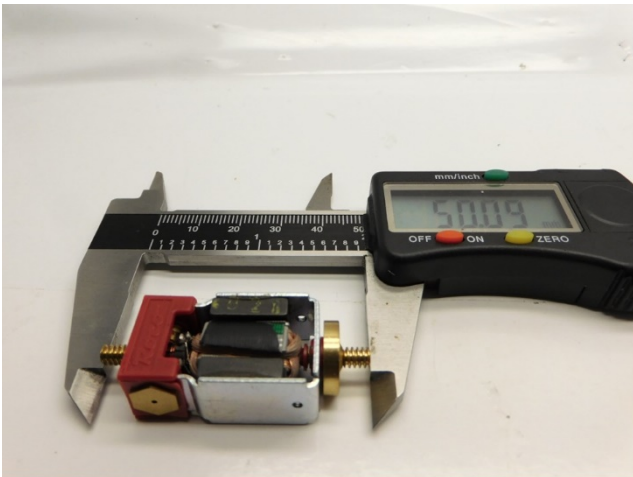
Ausbau alter Motor  
Take out the old motor  
Demonteer de oude motor



Maße prüfen  
Check dimensions  
Controleer de maatvoering



Die Teile des Bausatz  
Parts of the kit  
Onderdelen van de ombouwset



Maße prüfen  
Check dimensions  
Controleer de maatvoering



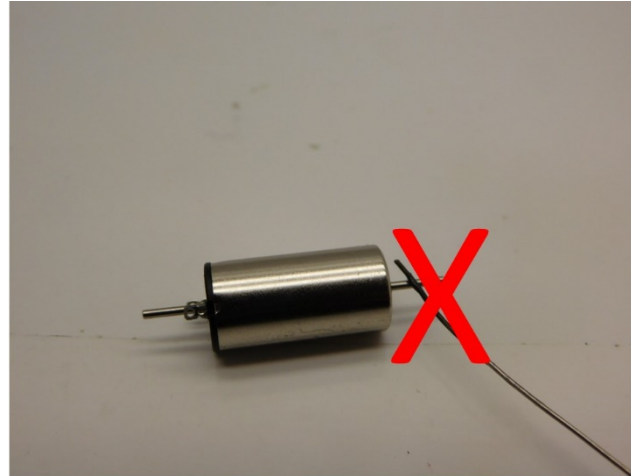
Maße prüfen  
Check dimensions  
Controleer de maatvoering



Metall Teile werden mit Loctite oder Metal Epoxy Kleber verklebt  
Metal parts are glued with Loctite or metal epoxy glue  
Metalen onderdelen worden gelijmd met metaallijm of epoxylijm voor metalen



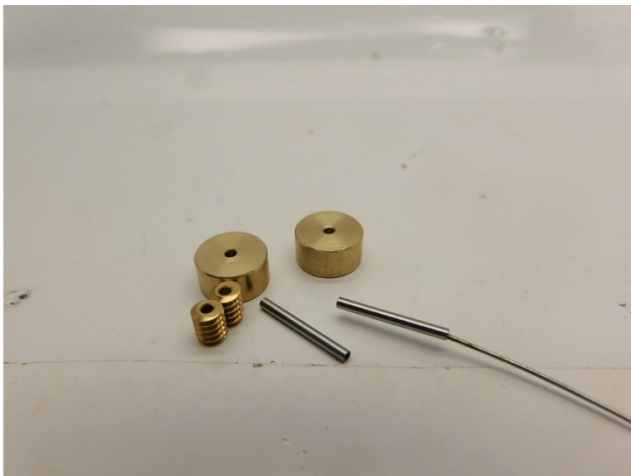
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Tragen Sie keinen Kleber auf die Achse auf  
 Don't apply glue on the axle  
 Plaats geen lijm op de as



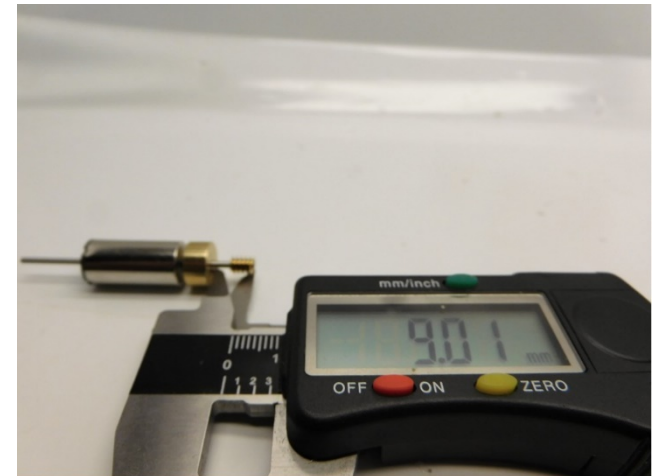
Die 1e Metallteile sind verklebt  
 The 1st metal parts are glued  
 De eerste metaaldelen zijn verlijmd



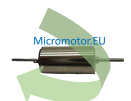
Tragen Sie Klebstoff auf die Innenseite des Teile auf  
 Apply glue on the inside of the part  
 Plaats alleen lijm aan de binnenzijde van de onderdelen



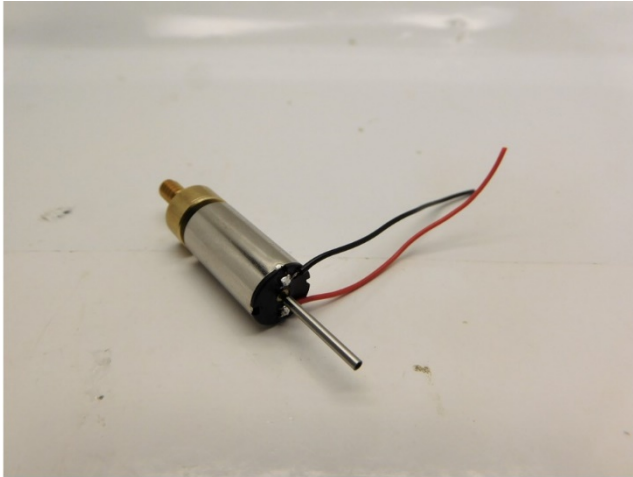
Biegen und kürzen Sie die Lötlippen!  
 Bend and shorten the soldering lips!  
 Buig en kort de soldeerlippen in!



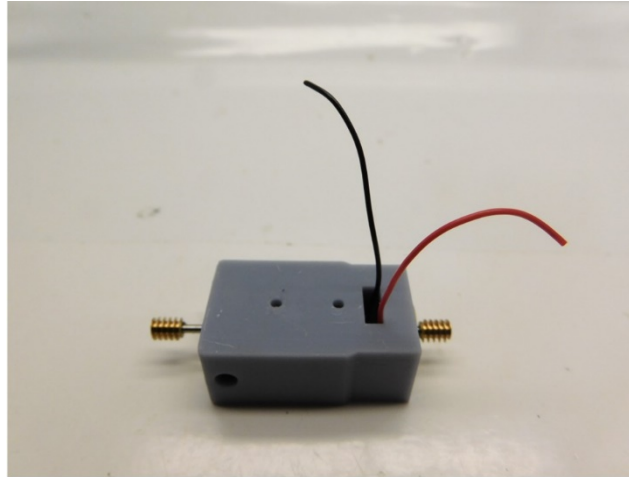
Maße prüfen  
 Check dimensions  
 Controleer de maatvoering



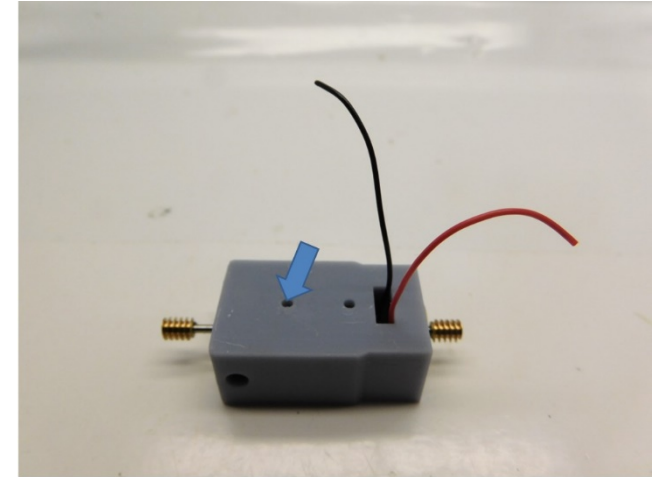




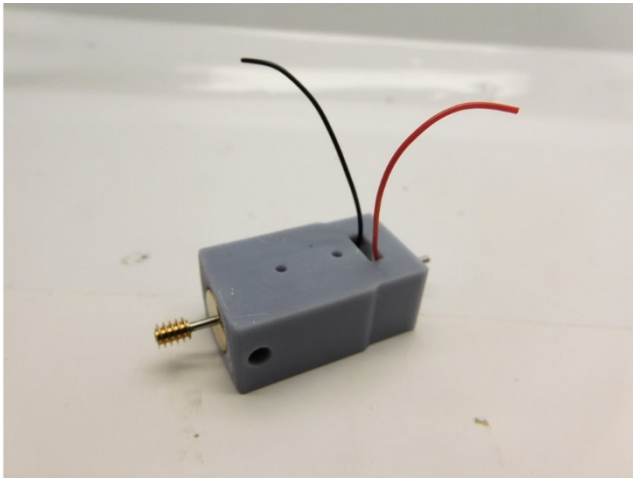
Drähte löten  
Solder the wires  
Soldeer de draden



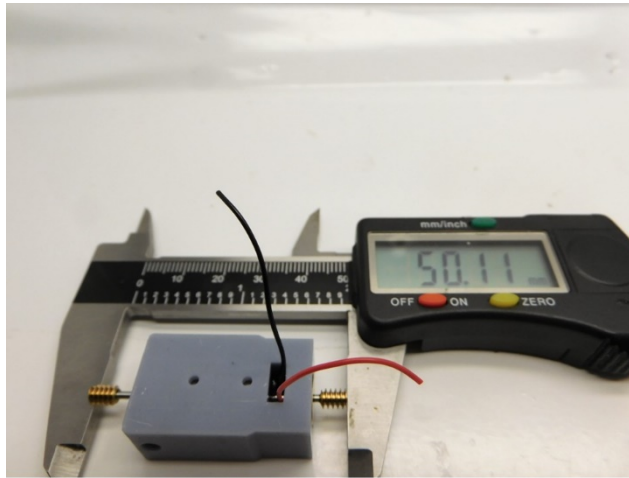
Platzieren Sie die 2e Schwungmasse  
Mount the 2nd flywheel  
Monteer het 2e vlie wiel



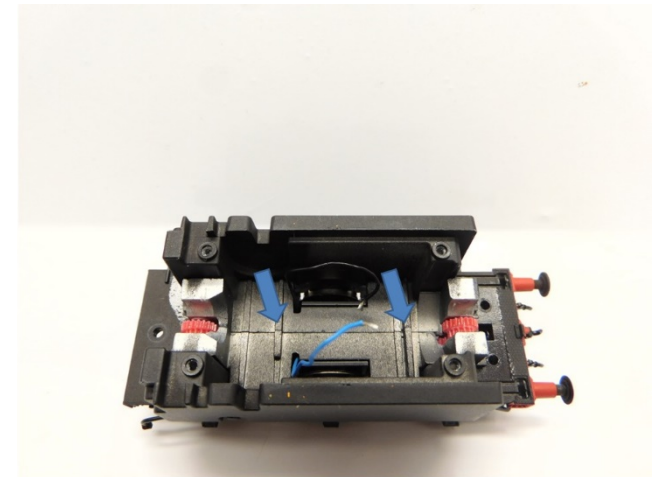
Der Motor wird mit Epoxidkleber oder Sekundenkleber in den Motorhalter eingeklebt  
The motor is glued into the motor holder with epoxy glue or super glue  
De motor in de motorhouder wordt verlijmd met secondelijm of epoxy lijm



Motor im Motorhalter platzieren  
Place motor in motor holder  
Plaats de motor in de motor houder

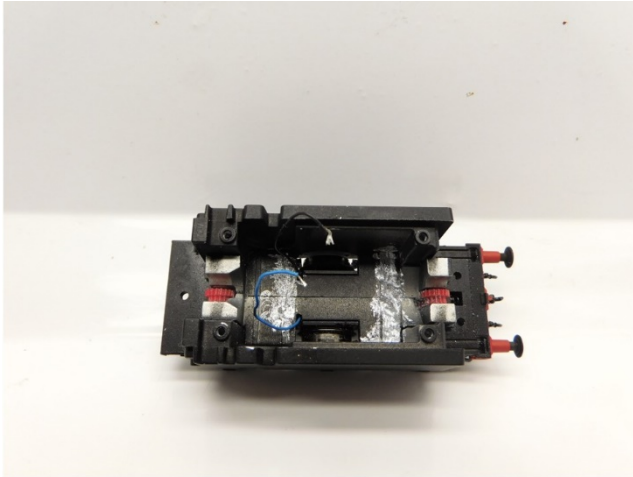


Maße prüfen  
Check dimensions  
Controleer de maatvoering

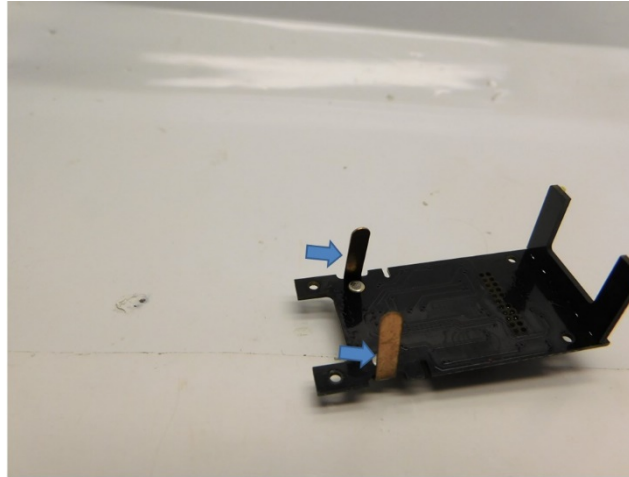


Diese Teile gefräst werden  
These parts must be milled  
Deze delen moeten gefreesd worden

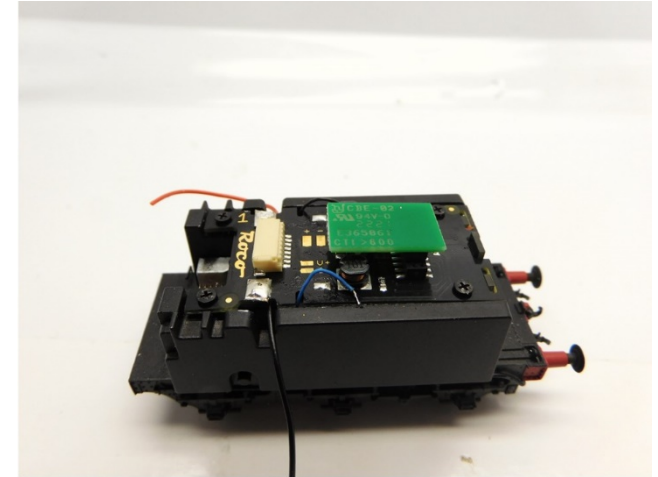




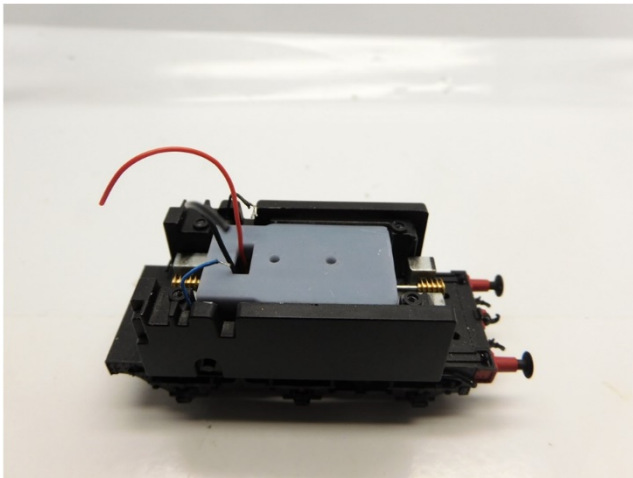
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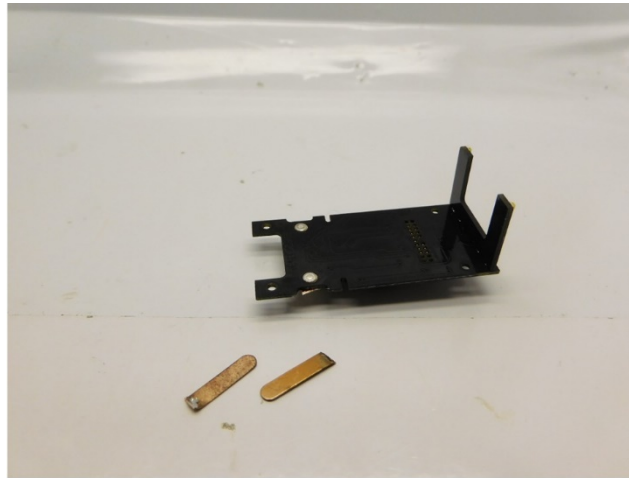
Alter Motorkontakte entfernen  
 Remove old motor contacts  
 Verwijder de oude motorcontacten



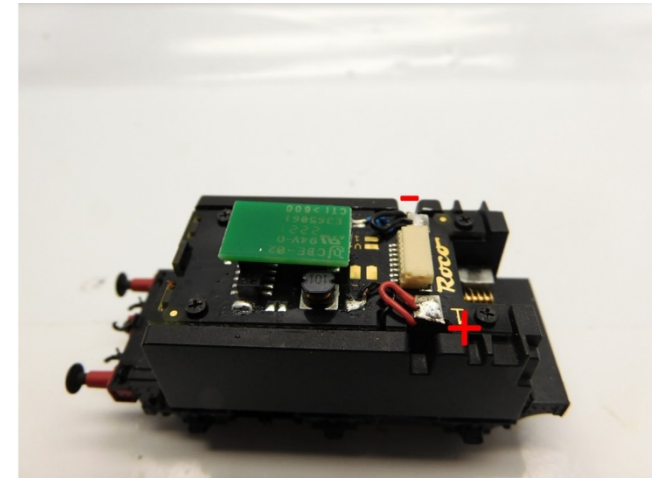
Platine platzieren  
 Place the PCB  
 Plaats de printplaat



Motor platzieren  
 Mount the motor  
 Plaats de motor

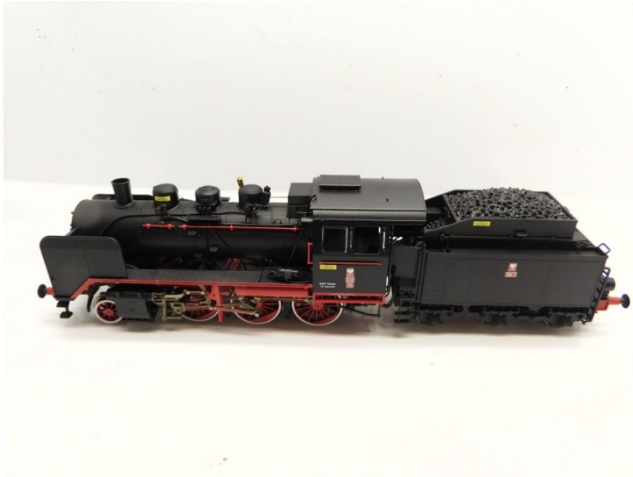


Alter Motorkontakte entfernen  
 Remove old motor contacts  
 Verwijder de oude motorcontacten



Drähte löten  
 Solder the wires  
 Soldeer de draden

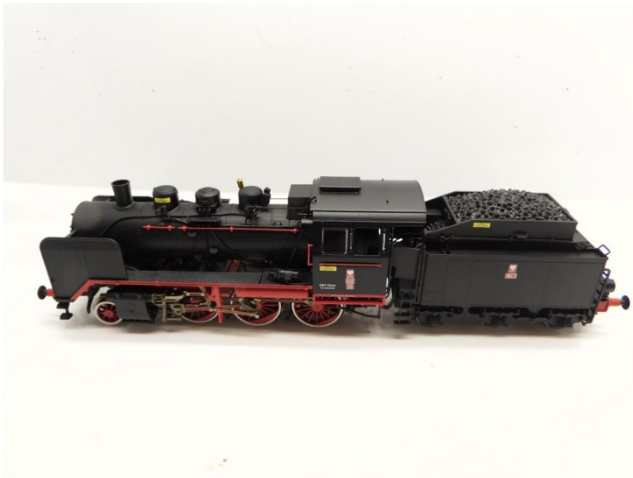




Gehäuse platzieren  
Mount body  
Plaats de kap



Micromotor HR031C



Umbau fertig  
Upgrade complete  
Ombouw gereed