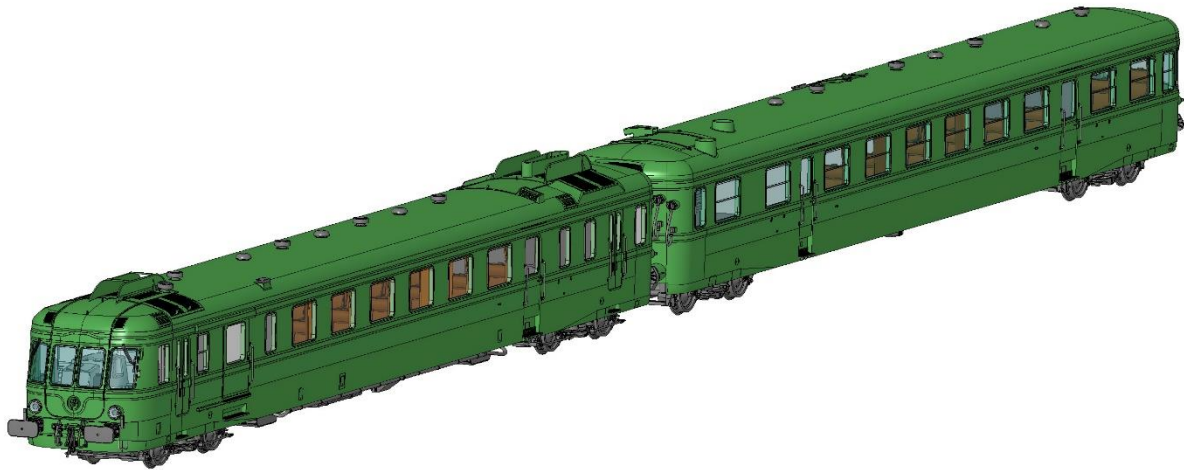


RGP 2 - X-2700 RAILCARS



OPERATING MANUAL

Table of contents

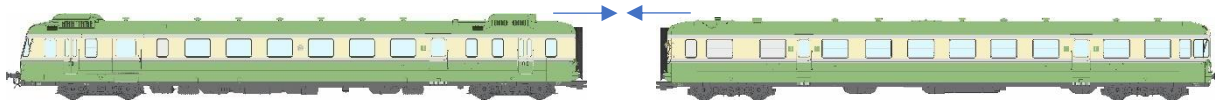
1. Generalities	2
2. Couplings and accessories.....	4
A. Accessories bag	4
B. Coupler assembly	6
3. Body disassembly	10
4. Decoder installation/Replacement	11
5. Electronics.....	14
A. Analog mode.	14
B. Digital DCC.	15
6. Sound decoder functions	16
7. Tyres replacement and lubrication.	17
8. Spare parts	19

1. Generalities

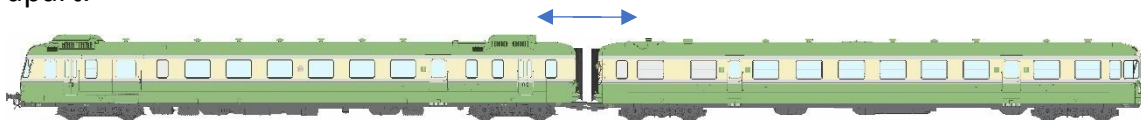
A REE product is a highly detailed model offering numerous functionalities. Therefore, one should follow some operating recommendations.

First remove engine and trailer from their foam packing by using the protective film. It allows you to handle your model avoiding any breakage. Then, take in your hand your locomotive to set it on the track. The use of a ramp can bring a valuable help.

Coupling: engine and trailer are linked by a magnet's coupler. To couple, simply bring the two elements closer together. The mechanical and electrical connections are made automatically.



Uncoupling: gently separate the two elements by pulling them along the track axis in opposite directions. The magnetic retention force dissipates as soon as they are slightly apart.



Here you are, your model is ready to run.

This product is designed to operate on **minimum radius R=420 mm**.

The entire REE models team wishes you long gaming sessions with your model.

WARRANTY

Your model is covered by a two years parts and work warranty. This warranty will apply when presenting a purchase receipt with the date of purchase.

2. Couplings and accessories

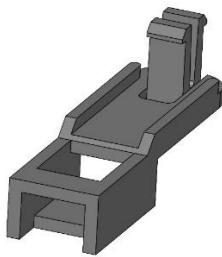
The engine is delivered with the front plate completely detailed. As for the trailer, it is delivered with the transition door in place, concealing all the coupling and brake components of the front plate.

There is no standard coupler's support assembled on model.

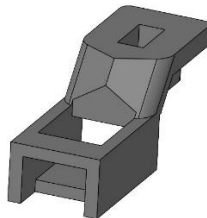
A. Accessories bag

Inside the delivered accessories bag, you will find a complete set of parts to put a NEM 360 coupler on one, or the other, or both front plates.

- Two NEM 360 coupler's supports, one for the engine, the other for the trailer,

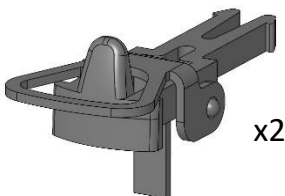


Engine



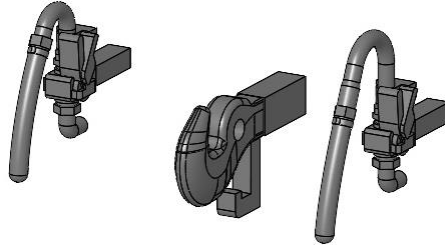
Trailer

- Two standard couplers,



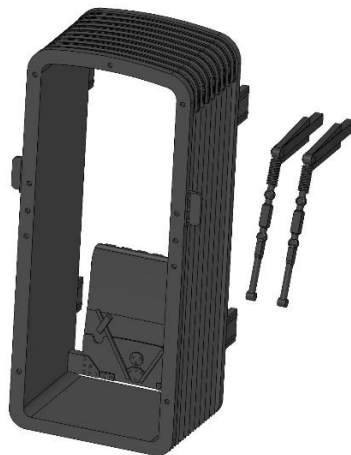
If you wish to install on your model another coupler type, you can use any coupler which follows NEM 360 standard.

- For the engine, a complete set of front plate accessories, shorten to make coupler movement possible,

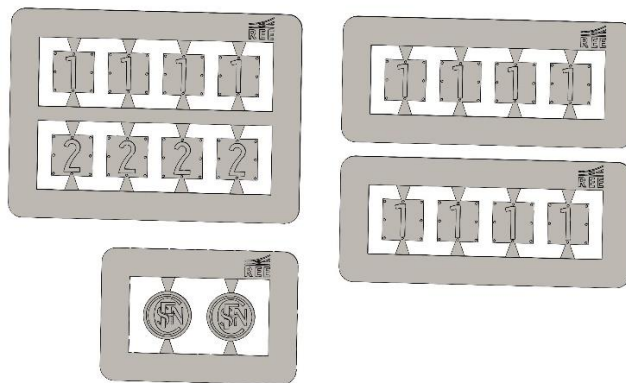


Rem: Depending on versions, detailing parts and quantity may vary a bit.

- For the trailer, a transition and its suspensions are provided to replace the transition door, just like in reality. This allows coupling two RGP in a realistic head-to-head configuration,



- A set of photo-etched plates is included. By adhering them to the painted markings on the model, they enhance the realism of your train even further.

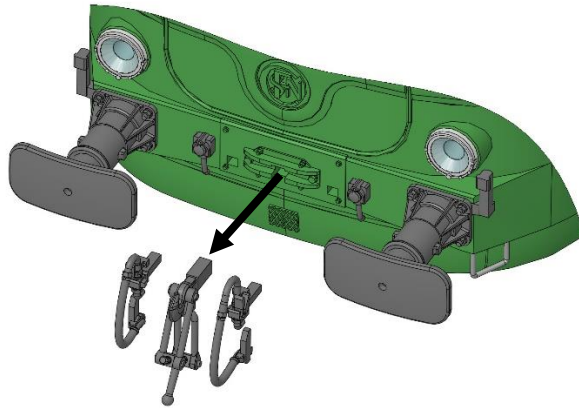


Rem: Depending on the version, the number and color of the plates may vary.

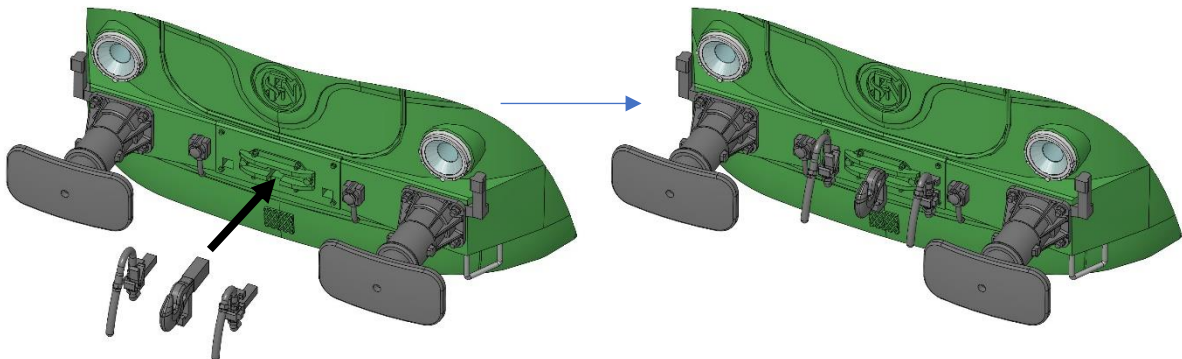
B. Coupler assembly

To fit a standard coupler's support on engine:

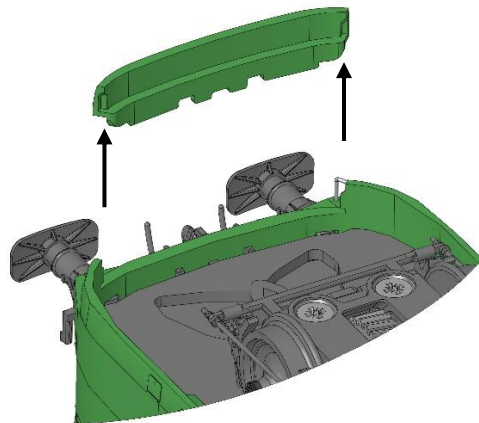
- First remove the complete front plate's details,



- Put in place the shorter details,

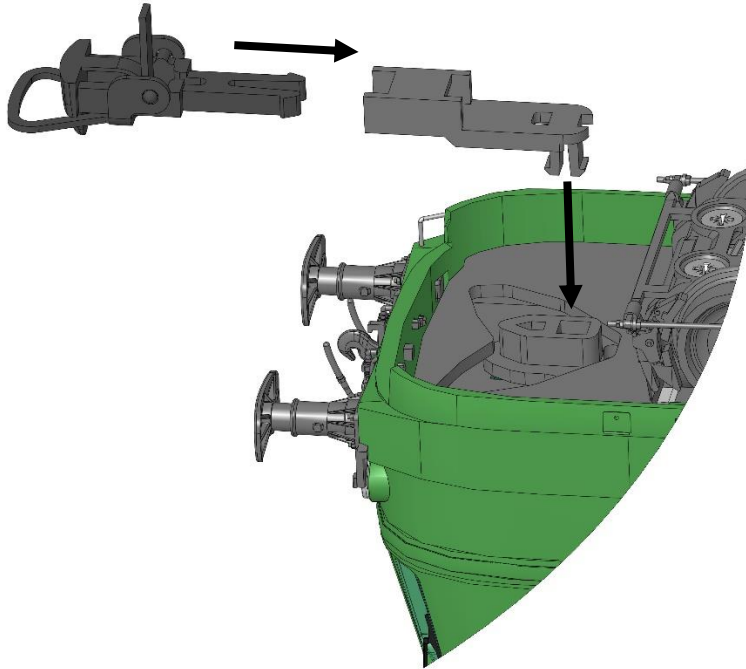


- Remove the skirt under the front plate,

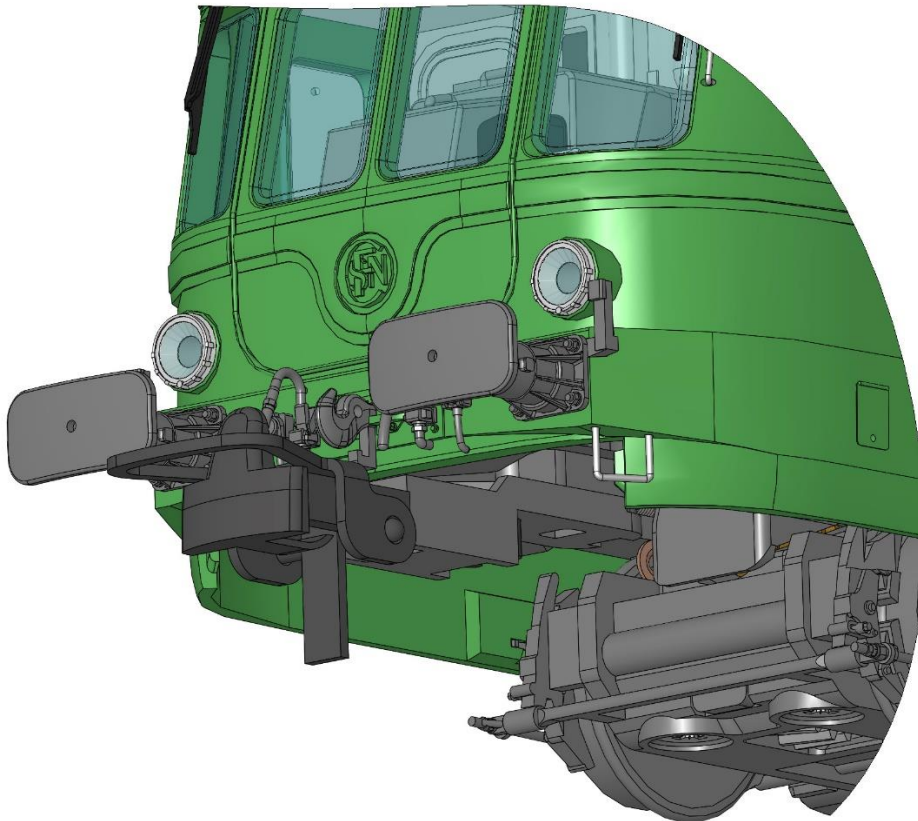


It is simply inserted vertically, slightly in force, inside the body.

- Insert NEM support and coupler,

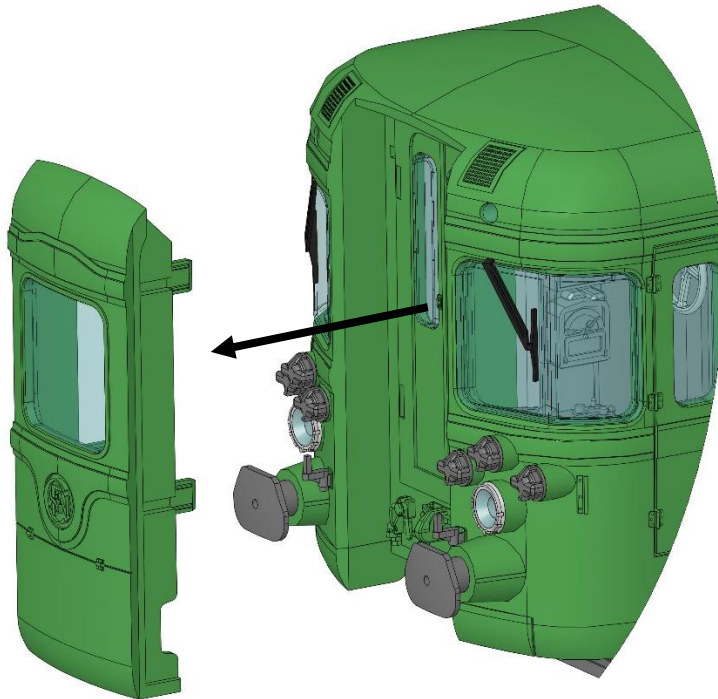


- Final look.



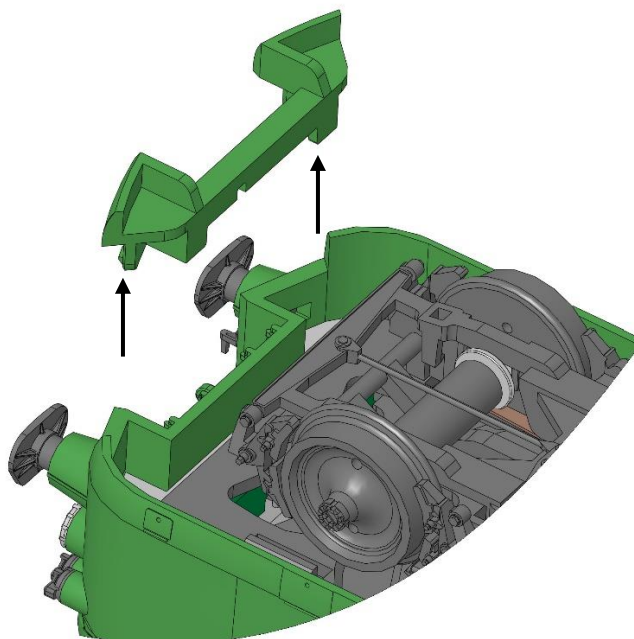
To fit a standard coupler's support on trailer:

- First remove transition door,



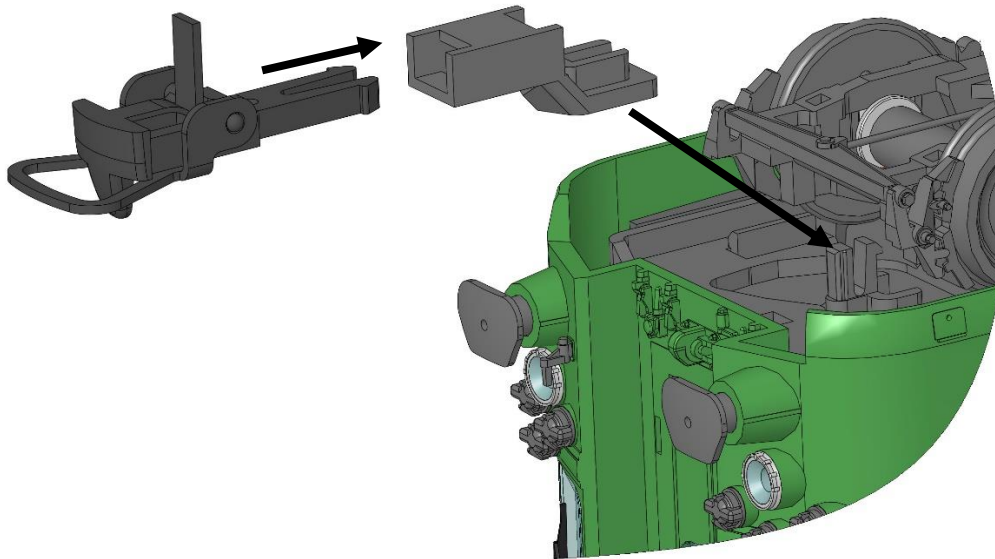
It is simply inserted horizontally, slightly in force, inside the body.

- Remove the skirt under the front plate,

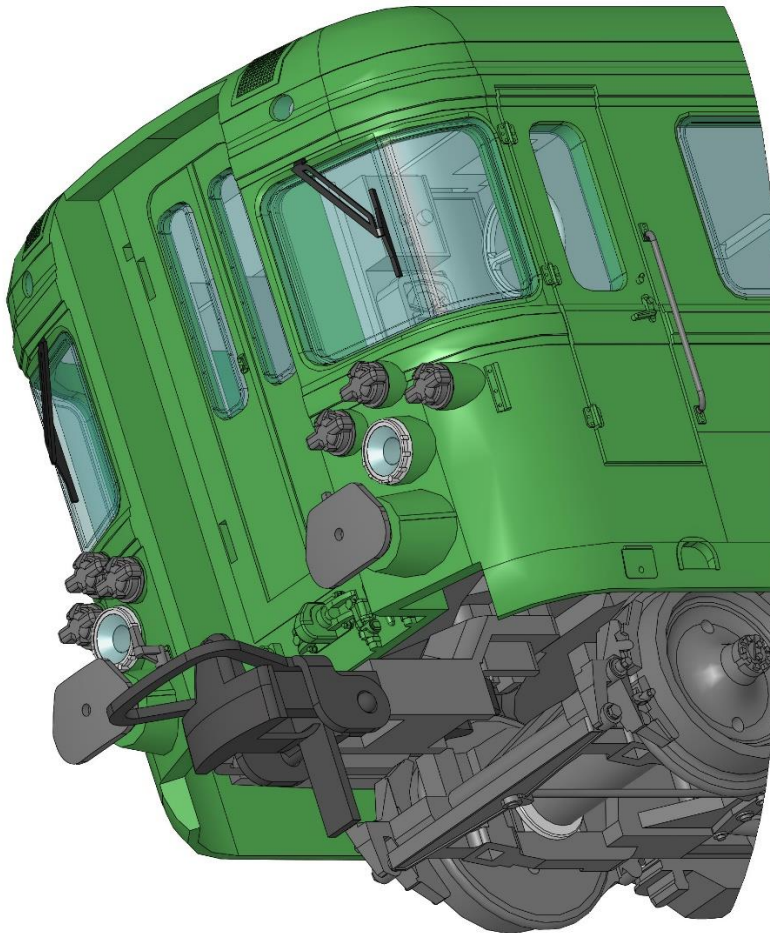


It is simply inserted vertically, slightly in force, inside the body.

- Insert NEM support and coupler,



- Final look.

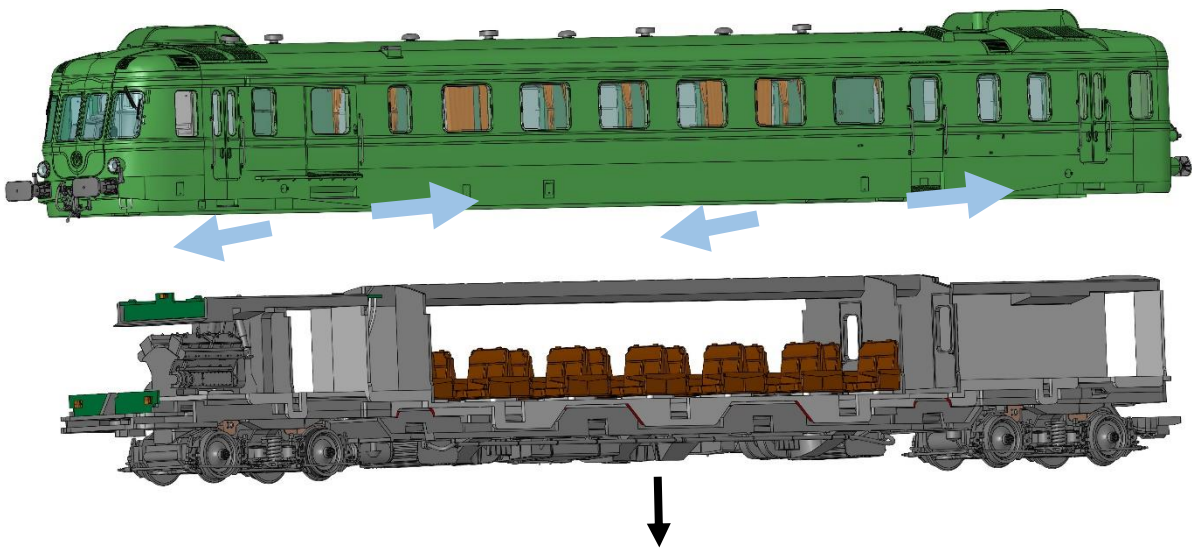


3. Body disassembly

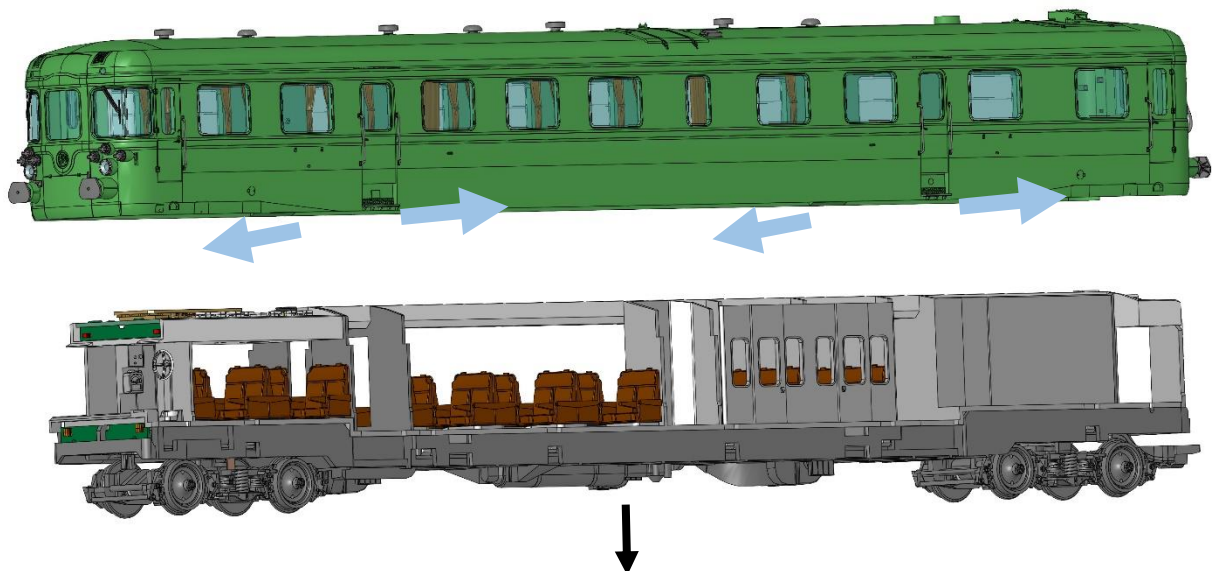
Bodies are held in place on frames by several clips located between passengers' doors.

Lift up body: move apart body's sides and let the frame slide down.

- Engine:



- Trailer:



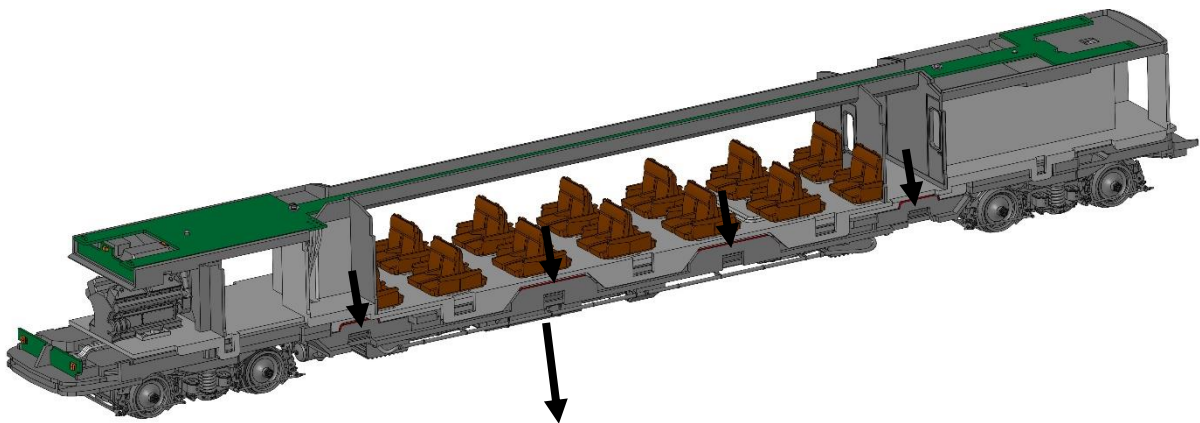
To make this operation easier, there is no electric connection between body and frame.

4. Decoder installation/Replacement

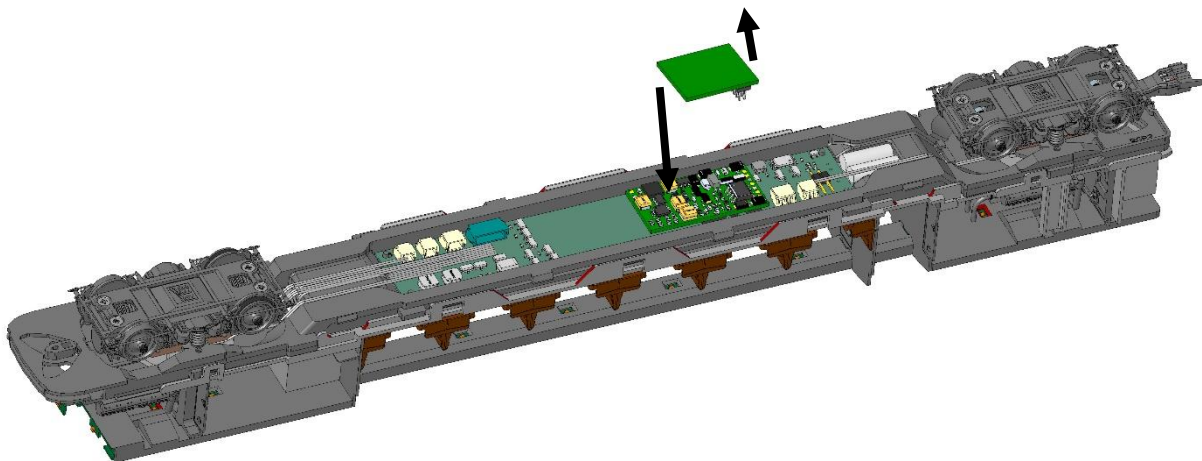
To convert the train set to DCC, it is necessary to install a decoder in both the locomotive and the trailer.

In the engine, main electronic board is hidden between metallic frame and underframe.

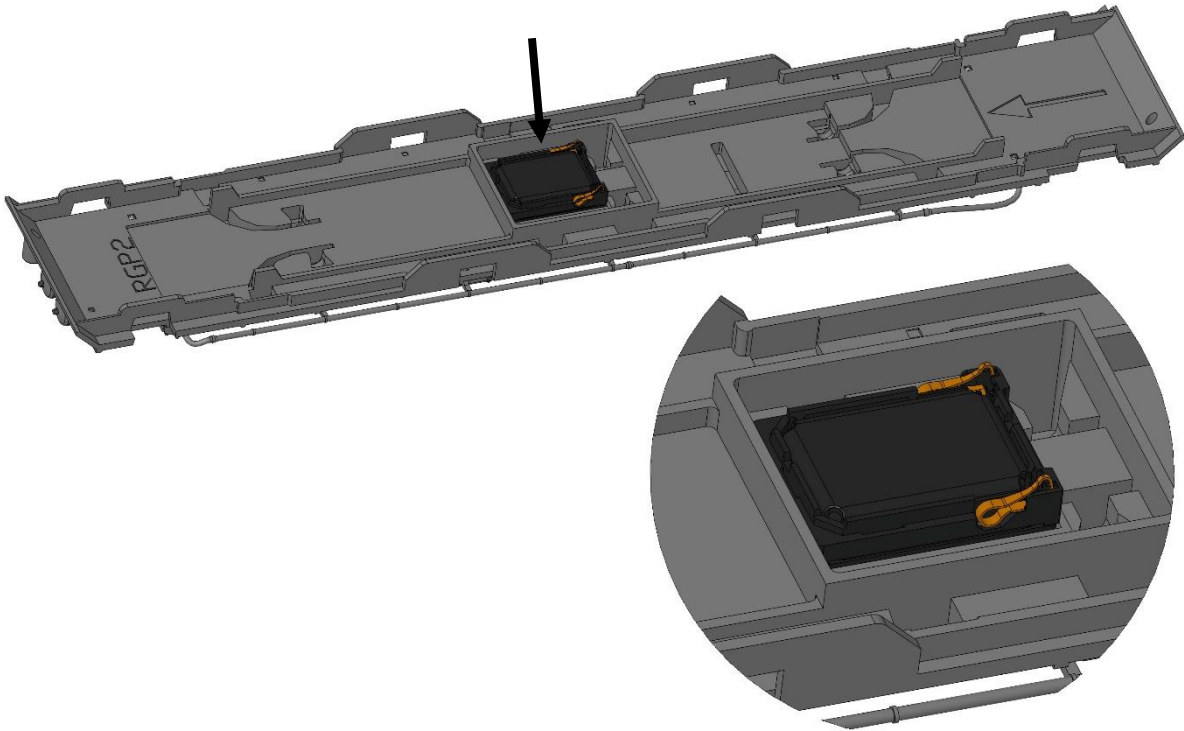
- Remove body from frame as indicated on previous chapter,
- Disassemble the underframe, it is held in place on frame by 4 clips on each side, lever out those clips one by one with a small screwdriver, then remove the underframe,



- Remove, gently, the analog plug. Then place a Plux22 decoder at the right location,



- To fit model with sound feature, remove the loudspeaker seal protection sheet. Stick the loudspeaker inside the sound box on the underframe. Be careful of how the loudspeaker is laid: the 2 loudspeaker's contacts must be on indicated direction.

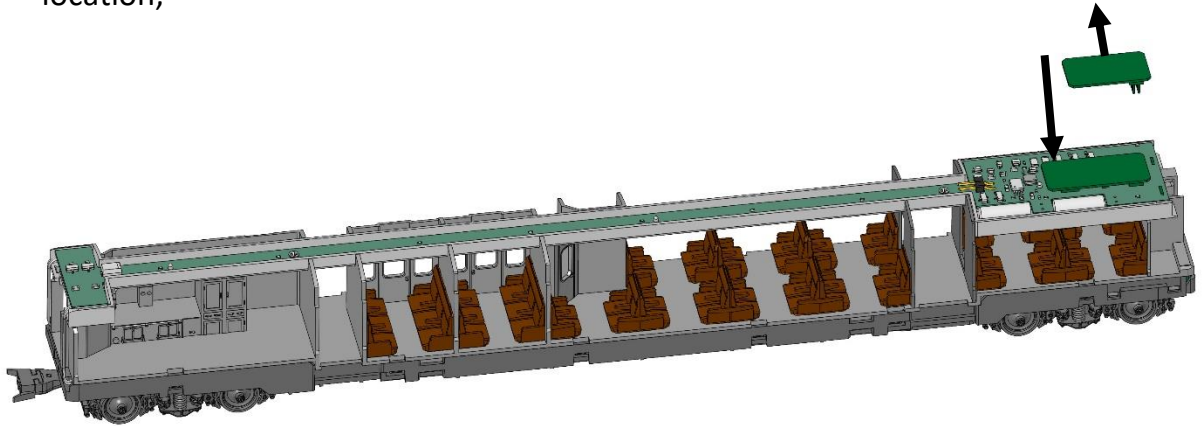


Loudspeaker's connection is automatic by putting in in place the underframe.

- Reassemble engine by following the reverse order:
 - o Clip the underside of the chassis,
 - o Insert the body on the frame.

In the trailer, main electronic board is located on the top of the interior.

- Remove body from frame as indicated on previous chapter,
- Remove, gently, the analog plug. Then place a Plux16 decoder at the right location,



- Reassemble trailer's body on frame.

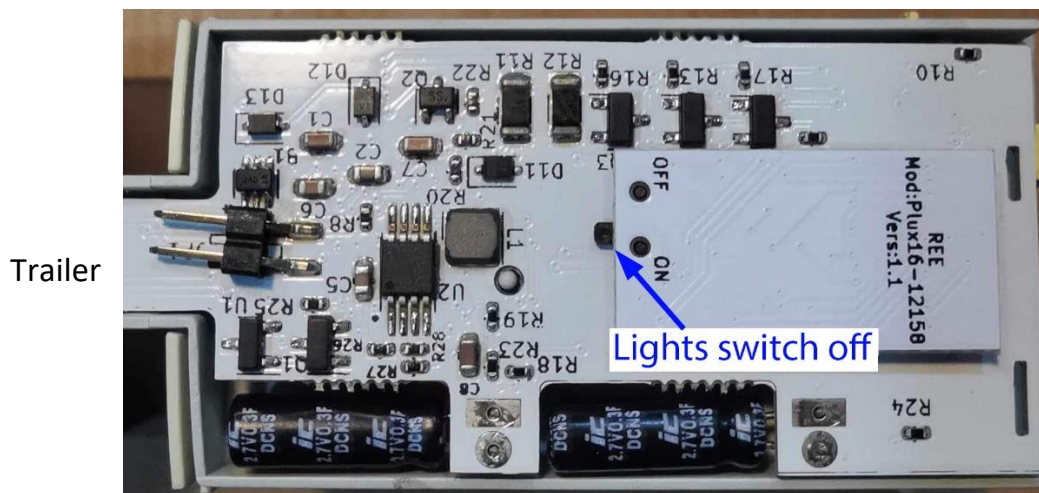
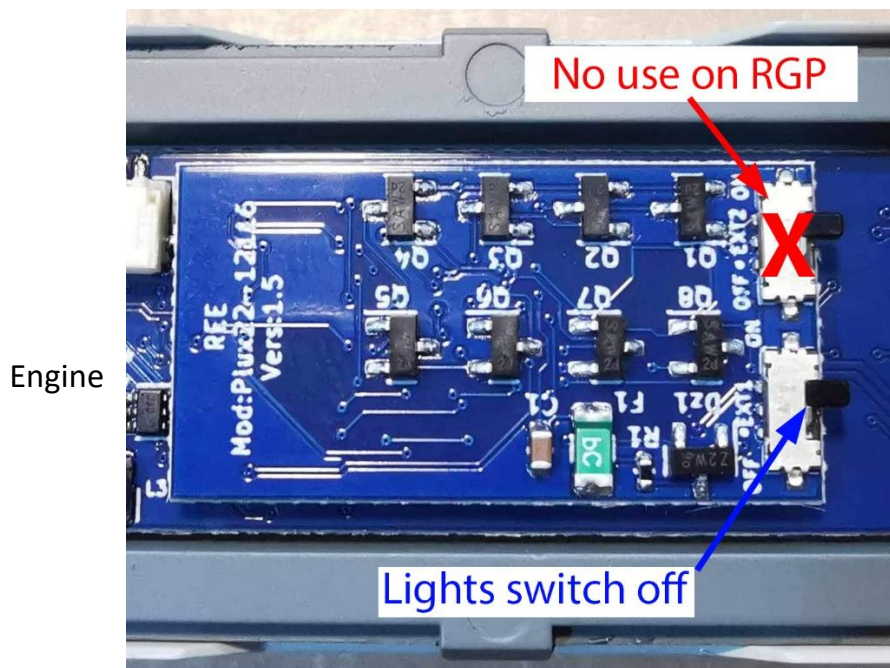
5. Electronics.

A. Analog mode.

By default, the following functions are activated:

- Inverted according running direction: white lights, red lights and cab lights,
- Constant: passengers' area.

By disassembling the model as previously indicated, you can access a switch on the analog plugs that allows you to turn off the lights and the cabin of the engine and of the trailer.



B. Digital DCC.

DCC sound models are delivered with a ESU sound decoder Plux22 in the engine and a REE decoder Plux16 in the trailer.

The complete train set, therefore, has two decoders.

For any changes to CVs, especially when changing the address of the train, the procedure must be done in two steps: program the engine first and then the trailer. Programming both elements at the same time will not work.

Important: the locomotive and the trailer must have the same address,

otherwise, not all functions will work.

Decoders reset to factory parameters:

Reset needs to be done in 2 times:

- Engine alone on programming track: CV8 = 8
- Trailer alone on programming track: CV8 = 10

Conversion to DCC:

To digitise DC analog models, we recommend using the specially programmed decoders from the REE line.

- Pack XB-RGP2-01:
 - Decoder RGP-2 ESU Plux22 SOUND + Loudspeaker (REE Sounds)
 - Decoder Remorque RGP-2 REE Plux16 Fonction (REE Program)
- Pack XB-RGP2-02:
 - Decoder RGP-2 ESU Plux22 Lokpilot (REE Program)
 - Decoder Remorque RGP-2 REE Plux16 Fonction (REE Program)

REE will not be responsible of dysfunction in case of customer programmed decoder.

To carry this work out, it is necessary to disassemble some parts of the model. If you are not familiar with this kind of work, we recommend you ask your dealer to perform this work or to direct you to a specialist.

6. Sound decoder functions

Only on DCC versions.

N°	Fonctions
0	Cab 1 front lights - According to running direction
1	F1 only: Motor sound On/Off – Normal start-up
	F8 + F1 : Cold start
2	Stopped: short whistle
	Running: long whistle
3	Trailer rear lights - According to running direction
4	Stopped: double whistle
	Running: triple whistle
5	Manual cab light - According to running direction
6	Half speed mode
7	Passenger's area lights
8	Stopped - F8 then accelerate: idle acceleration / train heating
	Running - F8 then accelerate: simulated uphill climb
9	Movement in the depot or at the station - Rail squeal
10	Emergency braking
11	Coupling / uncoupling
12	Station master whistle - Cabin departure indicator
13	Announcement
14	Announcement
15	Announcement
16	Announcement
17	Announcement
18	Announcement
19	Announcement
20	Automated arrival announcement at each station stop
21	Decrease sounds volume
22	Motors' compartments lights
23	Passenger and luggage compartment doors (only when stopped)
24	N/A
25	N/A
26	N/A
27	N/A
28	N/A
29	N/A
30	N/A
31	Random air release

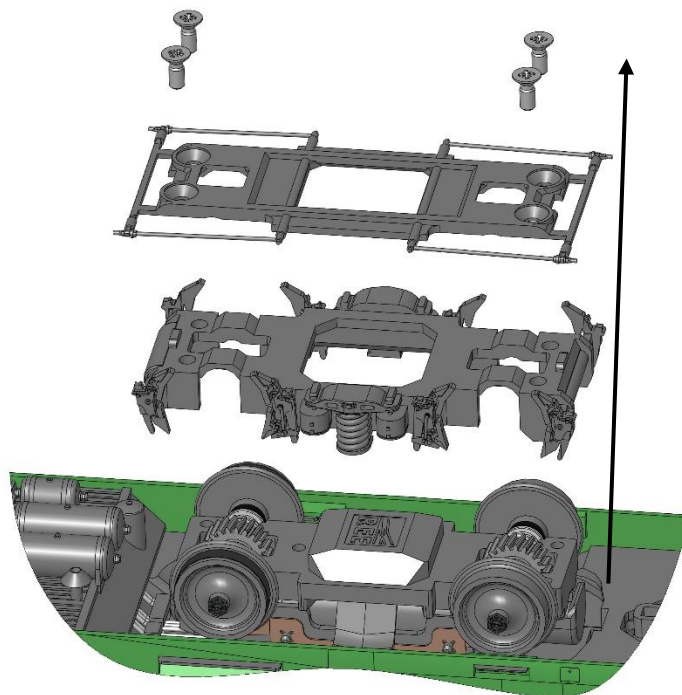
CAREFUL: in this case the train set does not move anymore.

7. Tyres replacement and lubrication.

To carry this work out, it is necessary to disassemble some parts of the model. If you are not familiar with this kind of work, we recommend you ask your dealer to perform this work or to direct you to a specialist. There are two traction tyres on one axle of motor bogie.

The following sketches illustrate the procedure.

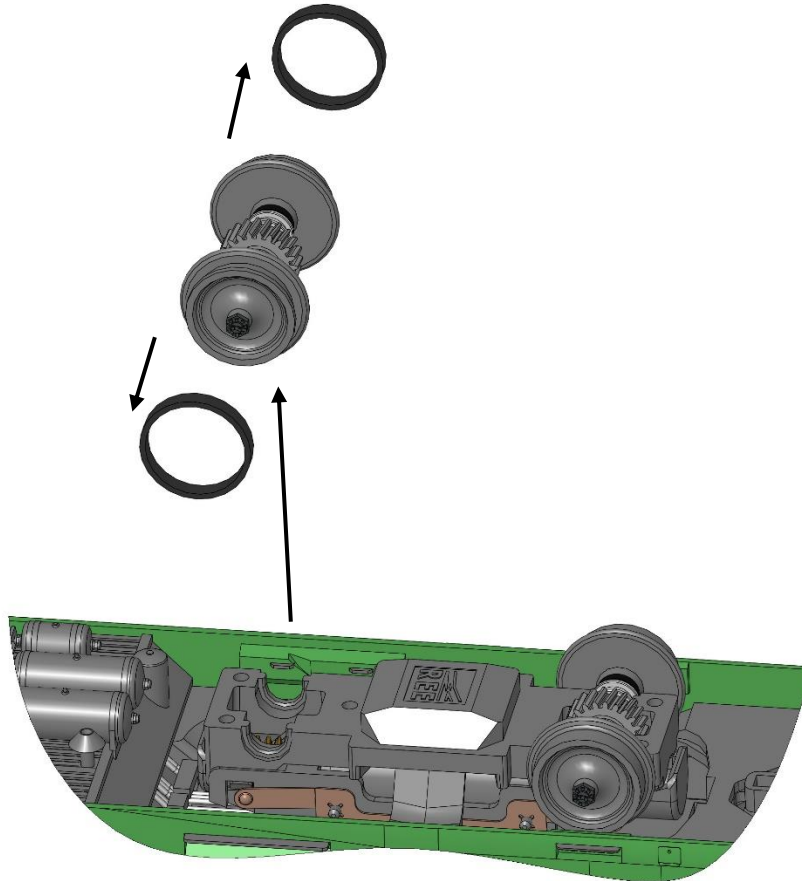
- Disassemble the bogie bottom and brake links. Those parts are screwed on bogie's frame. Unscrew the 4 screws and then remove gently the parts,



Lubrication: lubricate gears and bearings then reassemble the bogie.

BEWARE: only fine model grease in little quantity. Thick grease can damage the motor and possible harms would be out warranty.

- Tyre replacement: remove the axle showing wheels with tyres and change the rubber tyres,



- Reassemble every parts.

Be careful to correctly set the pickup!

Note: To make a model with no tyre, specific axles with no tyre are available from our After-Sales-Service.

Contact: sav@ree-modeles.com or +33(0)1.60.58.60.60

8. Spare parts

In case of breakage, wear or loss of a component, REE provides a spare parts service that you can contact directly or through your dealer.

In the following pages, you will find pictures, names and references of all the parts of this engine.

BEWARE!

For any spare part order, you have to precise:

1/ The part's reference given in the following charts

**2/ The reference of your model box
(on the sticker: "MB-055" for example)**



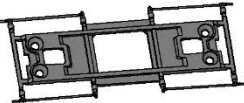


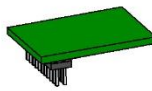
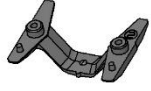

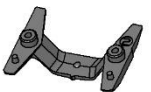

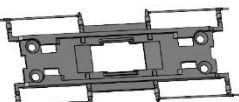



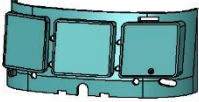









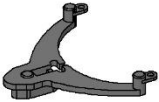





AND

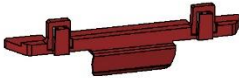



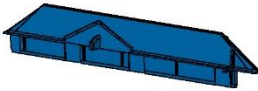

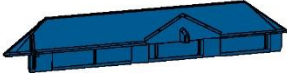


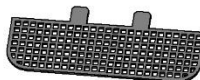

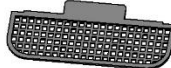


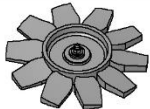
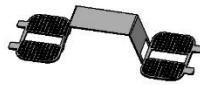

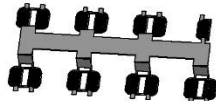







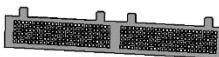



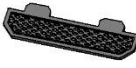
Your NAME, SURNAME and POSTAL ADDRESS












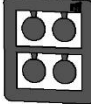















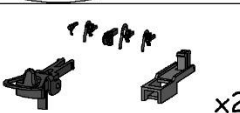
Note: In the following charts, the CAD parts colours can be different from your model. This is why it is important to specify the reference of your train set.

PARTS REFERENCES

	B-01673-00 SUPPORT TIMON RGP2 X2400 X2800		B-04491-01 BANQUETTE APPUI TETE SNCF 3PL DOUBLE
	B-01677-00 BRIDE TIMON RGP2 X2400 X2800		B-04492-01 BANQUETTE APPUI TETE SNCF 3PL SIMPLE DRT
	B-01685-01 RESERVOIR CARBURANT X2800		B-04493-01 BANQUETTE APPUI TETE SNCF 3PL SIMPLE GCH
	B-01688-00 RESERVOIR AIR X2800		B-04509-01 SIEGES SNCF 1ER
	B-01696-00 GRILLE CHASSIS X2800 1		B-04511-01 SIEGES SNCF MOD SIMPLE
	B-01697-00 GRILLE CHASSIS X2800 2		B-04512-01 SIEGES SNCF SKAI MOD DOUBLE
	B-01698-00 PROTECTION CHASSIS X2800		B-04513-00 SIEGES SNCF SKAI MOD SIMPLE
	B-01702-00 DESCENTE WC		B-04515-00 SIEGE CABINE MOD
	B-01703-00 COFFRE ACCUS X2800		B-04516-00 STRAPON TIN X2800
	B-04483-02 PLAFONNIER RGP1 X2800		B-04517-00 STRAPON TINS DOUBLES
	B-04488-01 BANQUETTE APPUI TETE SNCF 2PL DOUBLE		B-04539-00 VOLANT SERRE FREIN
	B-04489-01 BANQUETTE APPUI TETE SNCF 2PL SIMPLE DRT		B-04553-00 FLAMAN
	B-04490-01 BANQUETTE APPUI TETE SNCF 2PL SIMPLE GCH		B-04556-00 PARESOLEIL ANCIEN

	B-06148-03 FLANCS BOGIE RGP1 AV X2800		B-12110-00 PCB PRINCIPAL AUTORAILS
	B-06151-00 TRINGLERIE BOGIE RGP1 AV X2800		B-12111-00 PCB PLAFONNIER RGP1 X2800
	B-06153-00 ETRIER BOGIE E1		B-12116-00 DUMMY PLUG PLUXX22
	B-06154-00 ETRIER BOGIE E2		B-12119-00 PCB PHARES RGP2 X2400 X2800 ORI E1
	B-06163-00 ETRIER BOGIE E2 AC		B-12120-00 PCB PHARES X2800 ORI E2
	B-06165-00 TRINGLERIE BOGIE RGP1 AV X2800 AC		B-12121-00 PCB PHARES X2800 MOD E1
	B-07090-01 PIGNON 04 Z22 HELICOIDAL		B-12122-00 PCB PHARES X2800 MOD E2
	B-08242-01 PAREBRISSE X2800		B-12128-00 PCB CAB RGP1 X2800
	B-08243-01 VITRE X2800 DROIT		B-13053-00 CONDUIT PHARES ANCIEN
	B-08244-01 VITRE X2800 GAUCHE		B-13054-00 CONDUIT PHARES MOD
	B-08245-01 VITRE X2800 DROIT MOD		B-13056-00 CONDUIT PHARES ROUGES RGP1 MOD
	B-08246-01 VITRE X2800 GAUCHE MOD		B-13058-00 DIFFUSEUR ECLAIRAGE CABINE
	B-09123-01 TIMON		B-15118-00 BANDAGE ROUE 900
	B-09125-00 BOITIER NEM AUTORAILS		B-15119-00 ECROU ROUE ORI
	B-11080-00 PDC BOGIE MOTEUR		B-15120-00 ECROU ROUE MOD

	B-60210-01 DESSOUS TRAVERSE ANCIEN		B-60272-01 RIDEAUX CENTRAL DROIT X2800
	B-60212-01 DESSOUS TRAVERSE MOD		B-60273-01 RIDEAUX CENTRAL GAUCHE X2800
	B-60216-00 PARE-FUMEE MOD DROIT		B-60274-01 RIDEAUX E2 DROIT X2800
	B-60217-00 PARE-FUMEE MOD GAUCHE		B-60275-01 RIDEAUX E2 GAUCHE X2800
	B-60218-00 ECHAPPEMENT MOD		B-60291-00 PORTE BAGAGES 1ER 2 X2800
	B-60222-00 GRANDE GRILLE X2800		B-60293-00 PORTE BAGAGES 2E CLOISON DRT X2800
	B-60223-00 PETITE GRILLE X2800		B-60294-00 PORTE BAGAGES 2E CLOISON GCH X2800
	B-60224-00 GRAND VENTILATEUR		B-60295-00 PORTE BAGAGES 2E CLASSE ORI E2 X2800
	B-60225-00 PETIT VENTILATEUR		B-60296-00 PORTE BAGAGES 2E CLASSE ORI X2800
	B-60232-00 PLATEAU TAMPON		B-60298-00 PORTE BAGAGES CENTRAL DRT MOD X2800
	B-60233-00 CENTRE BOISSEAU TAMPON		B-60300-00 PORTE BAGAGES CENTRAL GCH MOD X2800
	B-60243-00 ARRIERE BOISSEAU X2800 AVANT		B-60302-00 PORTE BAGAGES E1 MOD X2800
	B-60244-00 ARRIERE BOISSEAU X2800 ARRIERE		B-60305-00 PORTE BAGAGES E2 MOD X2800
	B-60252-00 ENTOURAGE PHARE ANCIEN		B-60309-00 PORTE BAGAGES 1ER CLOISON X2800
	B-60253-00 ENTOURAGE PHARE MOD		B-62007-00 MARCHE VOYAGEUR X2800

	B-62011-00 MARCHEPIED AVANT MOD GAUCHE X2800		B-62059-00 RAMBARDE X2800 ARRIERE VERTI
	B-62012-00 MARCHEPIED AVANT MOD DROIT X2800		B-62060-00 RAMBARDE X2800 VERTI PAREBRISE
	B-62014-00 MARCHEPIED AVANT RC ANCIEN X2800		B-62061-00 RAMBARDE X2800 FOURGON
	B-62021-00 CONDUITE GENERALE		B-62062-00 RAMBARDE X2800 PORTE FOURGON
	B-62022-00 CONDUITE GENERALE COUPE		B-62064-00 PORTE LANterne ANCIEN X2400
	B-62023-00 CONDUITE PRINCIPALE		B-62066-00 PLAQUE CLASSE
	B-62024-00 CONDUITE PRINCIPALE COUPE		B-62071-00 AERATEUR DOME
	B-62026-00 CONDUITE PRINCIPALE HAUTE		B-62072-00 AERATEUR CYLINDRE
	B-62027-00 CONDUITE PRINCIPALE HAUTE COUPE		B-62073-00 AERATEUR CYLINDRE GPS
	B-62033-00 ESSUIE GLACE X2800		B-62074-00 AERATEUR HAUT X2800
	B-62036-00 PRISE AVANT FERMEE		B-62075-00 AERATEUR WC
	B-62037-01 PRISE AVANT OUVERTE		X-09069-00 Ressort D1.3 S16
	B-62039-00 PRISE KEOPS FERMEE		X-15060-00 PALIER BRONZE
	B-62057-00 RAMBARDE X2800 AVANT HORI		M020-SE27 Sac d'accessoires X2800 ancien
	B-62058-00 RAMBARDE X2800 AVANT VERTI		M020-SE28 Sac d'accessoires X2800 moderne

	M018-SE72AC ESSIEU D900 PORTEUR ORI		
	M018-SE73AC ESSIEU D900 PORTEUR MOD		
	M018-SE74AC SKI AUTORAIL		
	M018-SE47 ESSIEU D900 MOTEUR ORI		
	M018-SE48 ESSIEU D900 MOTEUR ORI BANDAGES		
	M018-SE49 ESSIEU D900 MOTEUR MOD		
	M018-SE50 ESSIEU D900 MOTEUR MOD BANDAGES		
	M018-SE15 BOGIE MOTEUR X2800 ORI AV		
	M018-SE16 BOGIE MOTEUR X2800 ORI AR		
	M018-SE17 BOGIE MOTEUR X2800 MOD AV		
	M018-SE18 BOGIE MOTEUR X2800 MOD AR		
	M020-SE24 TAMPONS X2800 AV		
	M020-SE25 TAMPONS X2800 AR		
	M018-SE65 Ensemble moteur avec fils et connecteur		
	X080-D1 Boîte X2800		



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