

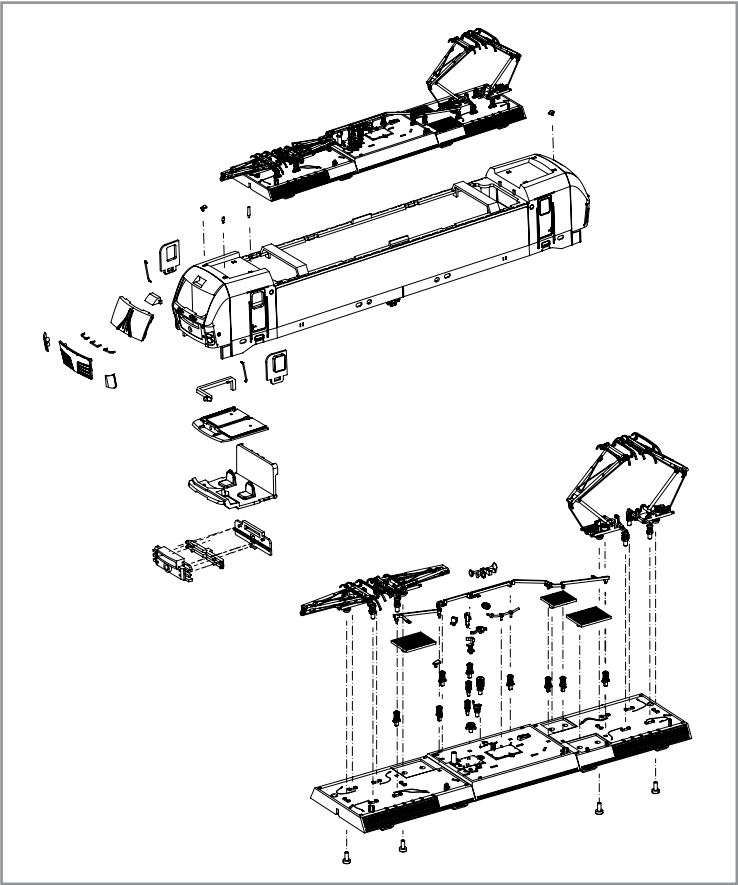
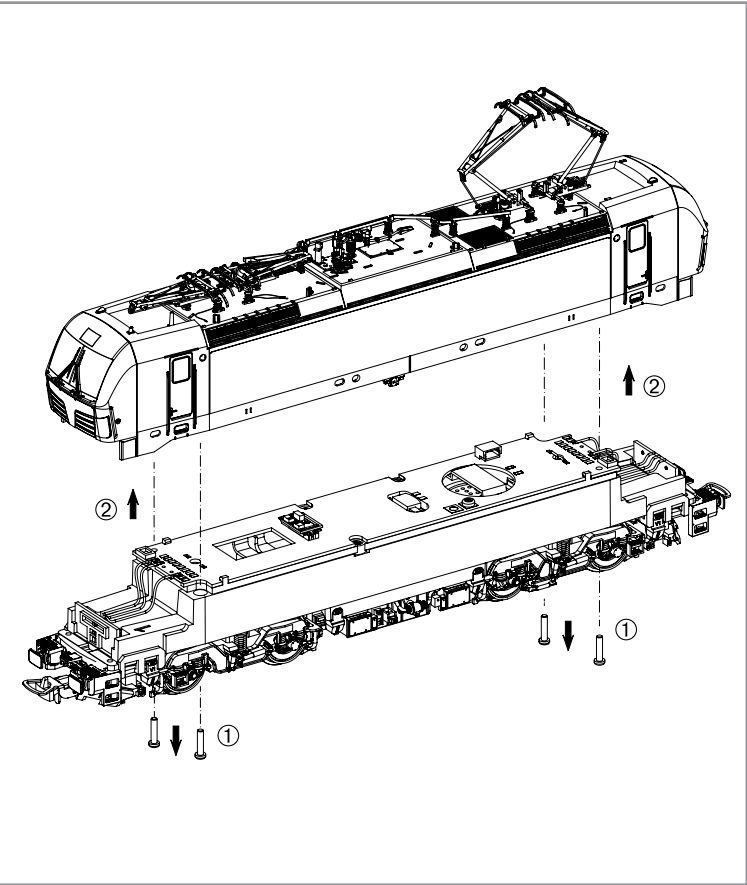
BEDIENUNGSANLEITUNG  
ELEKTROLOKOMOTIVE BR 193 VECTRON

Instruction sheet for Electric Locomotive BR 193 Vectron  
Manuale d'utilizzo per la locomotiva BR 193\_Vectron



# 59190 Gleichstrom DC  
# 59090 Wechselstrom AC

|        |
|--------|
| PluX22 |
| 0-12 V |
| 0-16 V |

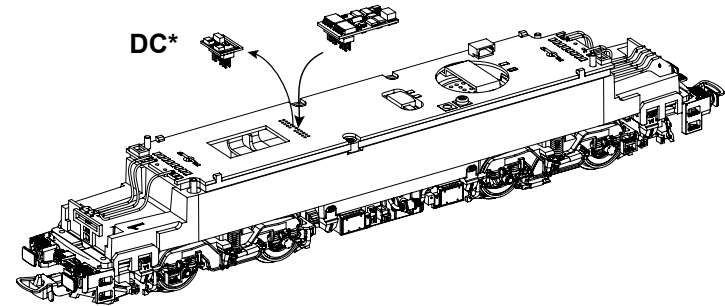


Decodereinbau:  
Installing Decoder /  
Installation du décodeur /  
Installazione decoder

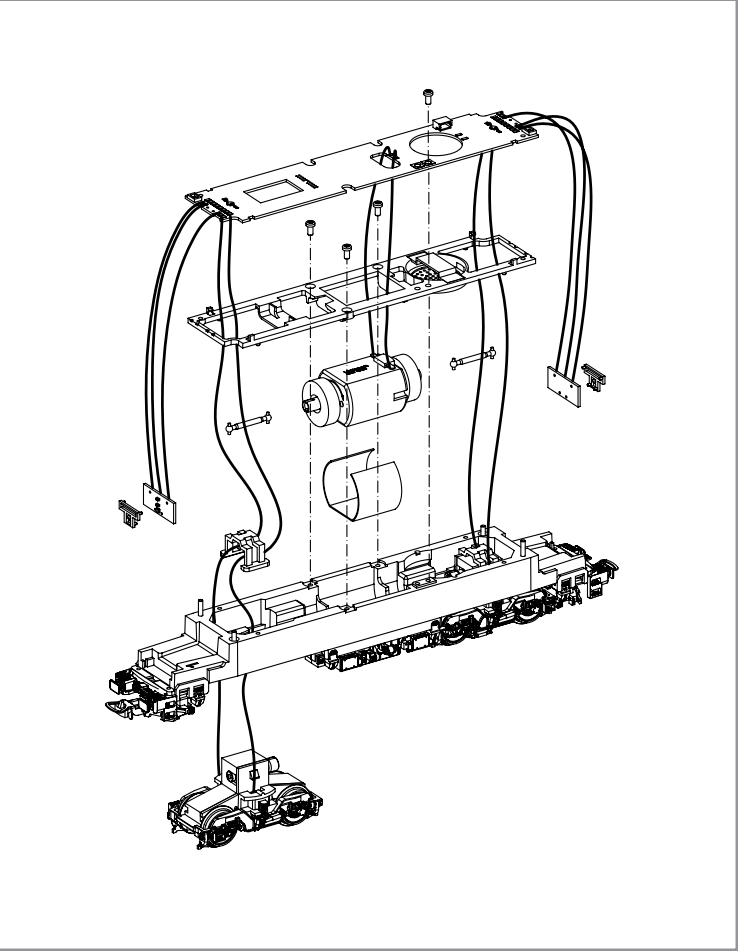
In DC Version nicht enthalten!  
Not included in DC version! /  
Non compris dans la version 2 rails DC! /  
Non presente nella versione DC!

PIKO # 56401 / # 56402

DC\*



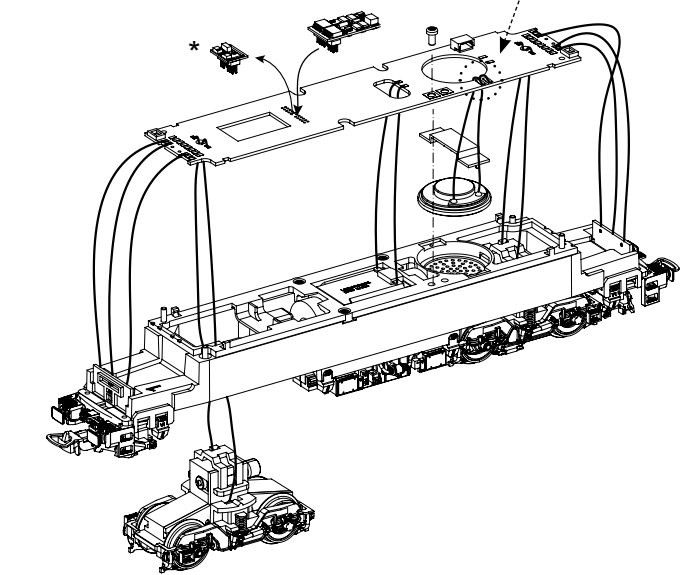
\* Bitte Brückenstecker aufbewahren!  
Please save the DC Bridge!  
Conservez l'interface digitale!  
Si prega di conservare il connettore  
a ponticello.



Zurüstbauteile in DC-Version:  
Extension in DC version /  
Pièces pour Version DC /  
Elementi accessori in versione DC

Kabel von Lautsprecher auf Leiterplatte anlöten! /  
Solder cables of speakers on mainboard on! /  
Souder les câbles du haut parleur au circuit imprimé /  
Saldare il cavo dell'altoparlante sul circuito stampato

56344 PIKO Sound-Decoder  
56344 PIKO Sound Decoder Kit  
56344 PIKO Sound Décodeur  
56344 PIKO Sounddecoder

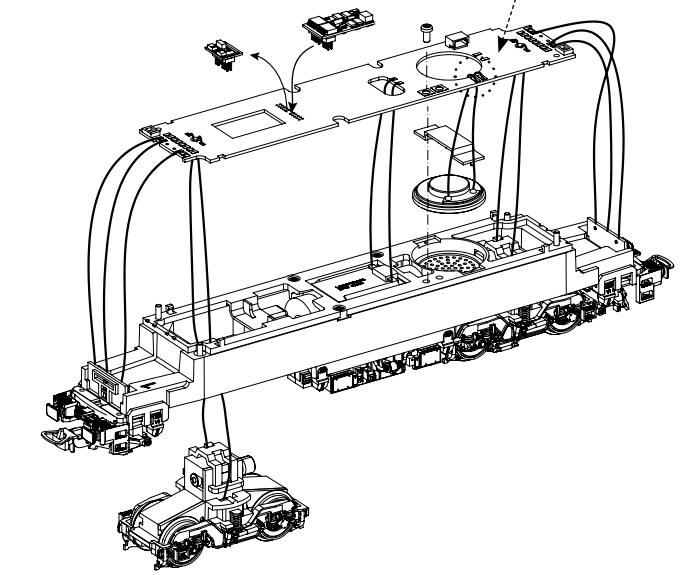


\* Bitte Brückenstecker aufbewahren!  
Please save the DC Bridge! /  
Conservez l'interface digitale! /  
Si prega di conservare il connettore a ponticello.

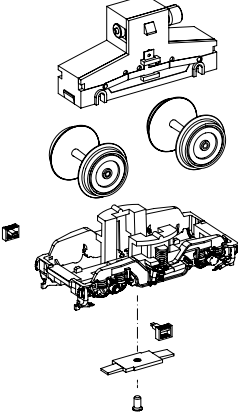
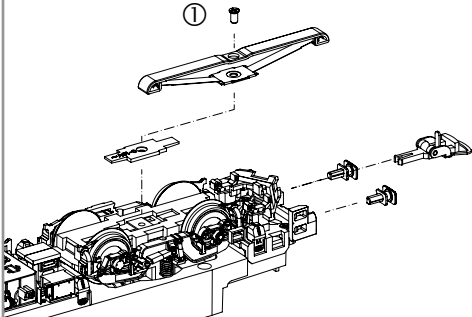
Zurüstbauteile in AC-Version:  
Extension in AC version /  
Pièces pour Version AC /  
Elementi accessori in versione AC:

Kabel von Lautsprecher auf Leiterplatte anlöten! /  
Solder cables of speakers on mainboard on! /  
Souder les câbles du haut parleur au circuit imprimé /  
Saldare il cavo dell'altoparlante sul circuito stampato

56344 PIKO Sound-Decoder  
56344 PIKO Sound Decoder Kit  
56344 PIKO Sound Décodeur  
56344 PIKO Sounddecoder



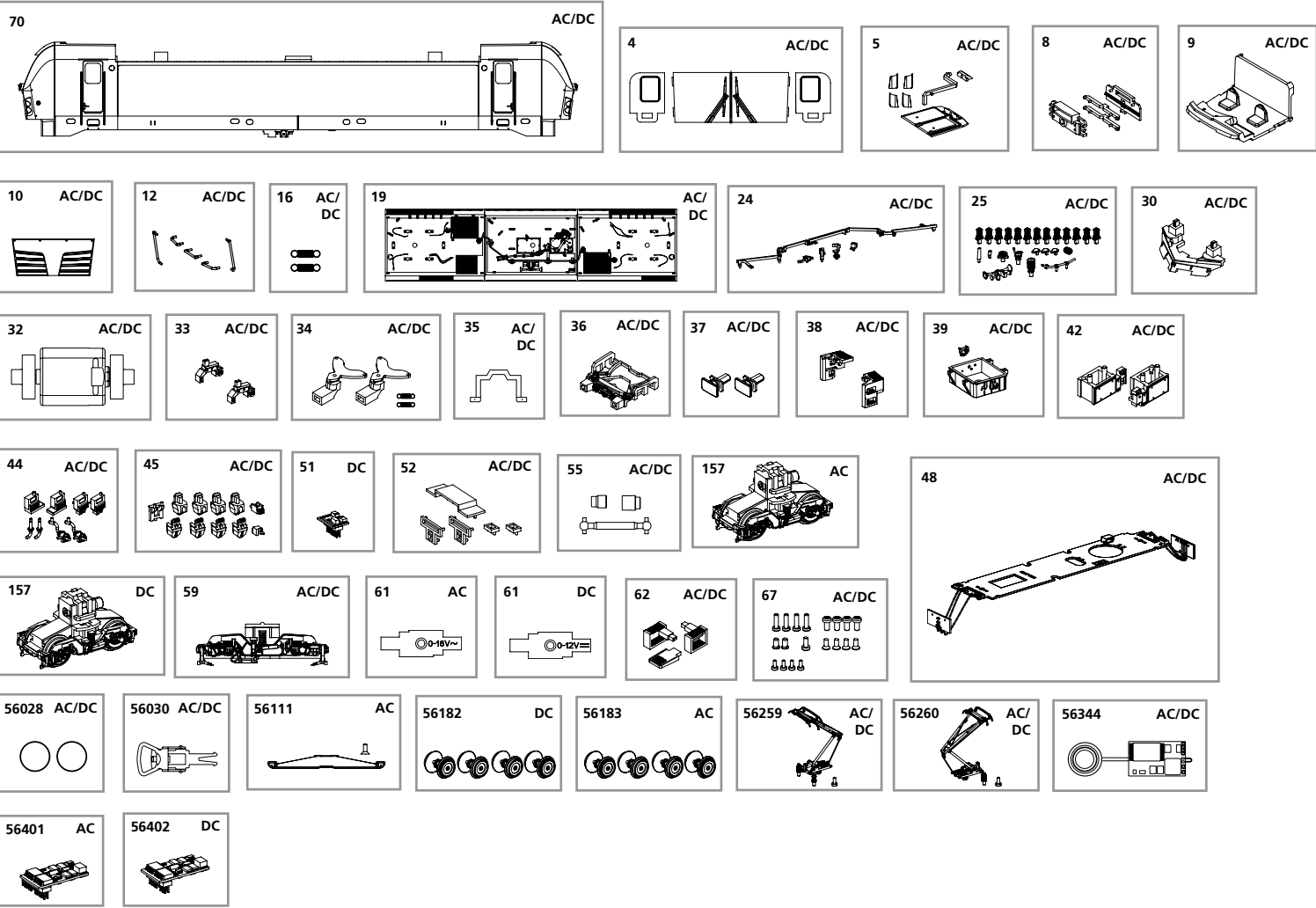
① Nur in AC Version!  
Only in AC version! /  
Seulement en AC version /  
Solo nella versione AC!



## ERSATZTEILE ELEKTROLOKOMOTIVE BR 193 VECTRON

Spare parts for Electric Locomotive BR 193 Vectron / Parti di ricambio BR 193\_Vectron

Bei Ersatzteilanforderung bitte immer die vollständige Ersatzteil-Nr. angeben • Please order the wanted spare part with the complete spare part item number.



| Bezeichnung / Description                                                                         | ET-Nr. / spare part N° | PG* |
|---------------------------------------------------------------------------------------------------|------------------------|-----|
| Gehäuse, dekoriert (mit Fenster + Lichteinsätzen) / Body, decorated (with window + light inserts) | 59190-70               | 13  |
| Fenster / Windows                                                                                 | 59970-04               | 8   |
| Leuchstab oben + Scheinwerfereinsätze / Transfer light bar roof + headlight inserts               | 59971-05               | 9   |
| Leuchstab unten mit Abdeckung / Light bar with cover                                              | 59970-08               | 7   |
| Führerstand / Driver cab                                                                          | 59970-09               | 7   |
| Frontklappe / Flap front                                                                          | 59190-10               | 7   |
| Handstangen (5-tlg.) / Handrails (set of 5)                                                       | 59971-12               | 9   |
| Feder für Deichsel (2 Stck.) / Spring for drawbar (set of 2)                                      | 59900-16               | 5   |
| Dach mit Lüftergitter / Roof with Ventilation plate                                               | 59183-19               | 12  |
| Hochspannungskabel / High-voltage cable                                                           | 59980-24               | 7   |
| Isolatoren, Hupe, Antennen / Insulators, Horn, Antenna                                            | 59183-25               | 8   |
| Schienenräumer / Cow catcher                                                                      | 59189-30               | 7   |
| Motor komplett / Motor complet                                                                    | 59900-32               | 12  |
| Ansteckteil Schienenräumer (2 Stck.) / Cow catcher part (set of 2)                                | 59971-33               | 7   |
| Kupplungsdeichsel (2 Stck.) mit Feder (2 Stck.) / Drawbar (set of 2) with spring (set of 2)       | 59970-34               | 7   |
| Getriebeklammer / Gear box clip                                                                   | 59900-35               | 6   |
| Pufferbohle / Buffer base                                                                         | 59970-36               | 7   |
| Puffer (2 Stck.) / Buffer (set of 2)                                                              | 59970-37               | 6   |
| Schürze rechts, links / Step right, left                                                          | 59971-38               | 7   |
| Transformator / Transformator box                                                                 | 59984-39               | 7   |
| Batteriefach Elektro (2-tlg.) / Battery electric (set of 2)                                       | 59183-42               | 8   |
| Anbauteile 1 / Attaching parts 1                                                                  | 59970-44               | 7   |
| Anbauteile 2 / Attaching parts 2                                                                  | 97736-45               | 8   |
| Hauptplatine mit Beleuchtungsplatine und Kabel / Main board with Light-boards and wires           | 59970-48               | 15  |
| Lichtmasken / LED cover                                                                           | 59970-52               | 7   |
| Kardanwelle + Buchsen / Ball shaft + bushes                                                       | 59970-55               | 7   |
| Drehgestell mit Treppen / Bogie with steps                                                        | 59970-59               | 9   |
| Treppen / Steps                                                                                   | 59970-62               | 6   |
| Schraubenset (19-tlg.) / Screws (set of 19)                                                       | 59970-67               | 7   |

| Bezeichnung / Description                                                                        | ET-Nr. / spare part N° | PG* |
|--------------------------------------------------------------------------------------------------|------------------------|-----|
| ET aus unserem Standard-Programm / Spare parts standard range                                    |                        |     |
| Haftreifen (10 Stck.) / Friction tyres (set of 10)                                               | 56028                  |     |
| Kupplung, vollst. (2 Stck.) / Coupling, complete (set of 2)                                      | 56030                  |     |
| Stromabnehmer DB / Pantograph                                                                    | 56259                  |     |
| Stromabnehmer SBB / Pantograph                                                                   | 56260                  |     |
| PIKO Sound-Decoder / PIKO Sound Decoder Kit                                                      | 56344                  |     |
| nur für DC-Version / only for DC version                                                         |                        |     |
| Brückenstecker / Strapping plug                                                                  | 59740-51               | 8   |
| Getriebe, komplett / Gearbox, complete                                                           | 59183-157              | 12  |
| Drehgestellabdeckung / Bogie bottom cover                                                        | 59970-61               | 7   |
| ET aus unserem Standard-Programm (nur DC-version) / Spare parts standard range (only DC version) |                        |     |
| Radsätze Set (4 Stck.) / Wheelset (set of 4)                                                     | 56182                  |     |
| PIKO SmartDecoder 4.1 PluX16 / PIKO SmartDecoder 4.1 PluX16                                      | 56402                  |     |
| nur für AC-Version / only for AC version                                                         |                        |     |
| Getriebe, komplett / Gearbox, complete                                                           | 59083-157              | 12  |
| Drehgestellabdeckung / Bogie bottom cover                                                        | 59870-61               | 7   |
| ET aus unserem Standard-Programm (nur AC-version) / Spare parts standard range (only AC version) |                        |     |
| Schleifer mit Schraube / Slider with screw                                                       | 56111                  |     |
| Radsätze Set (4 Stck.) / Wheelset (set of 4)                                                     | 56183                  |     |
| PIKO SmartDecoder 4.1 PluX22 mfx / PIKO SmartDecoder 4.1 PluX22 mfx                              | 56401                  |     |

\*Preisgruppe \*price category