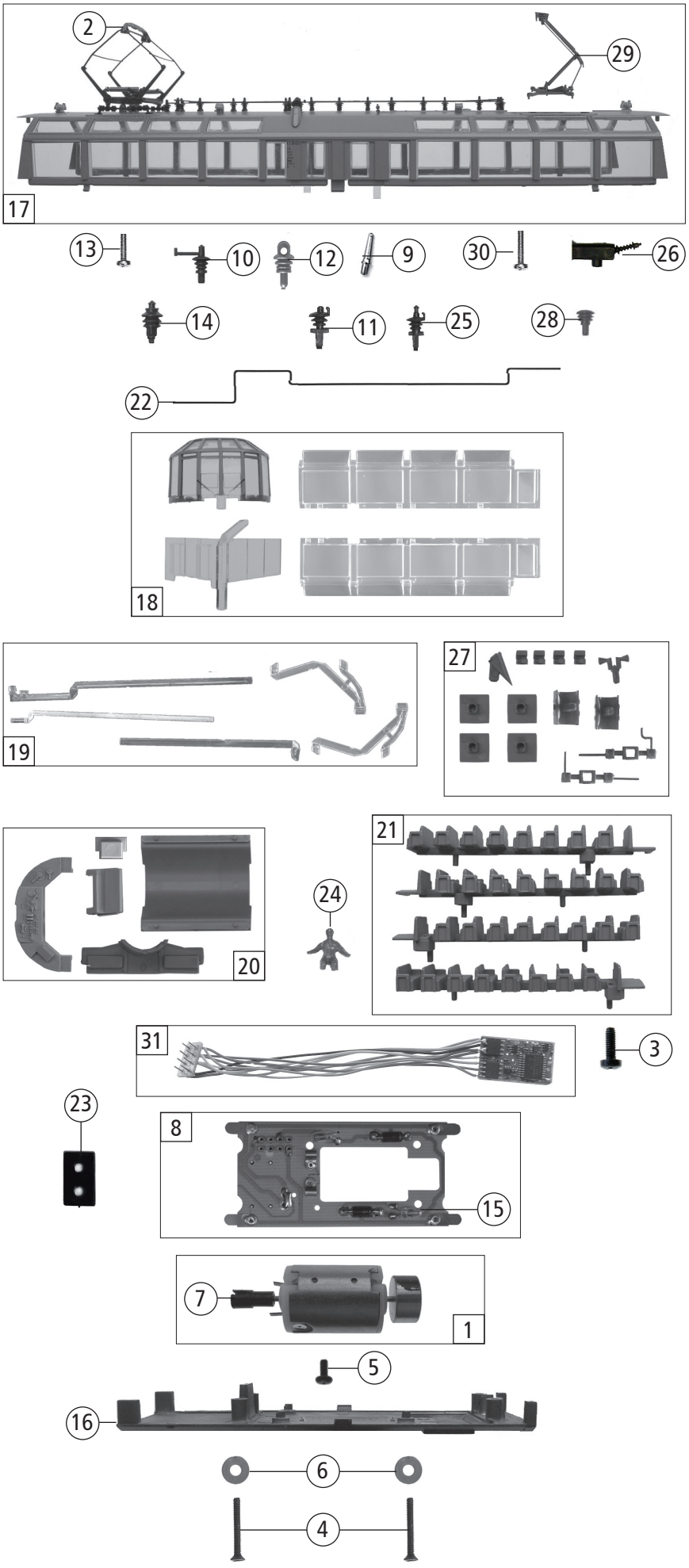
Symbolische Darstellung
Symbolic Illustration

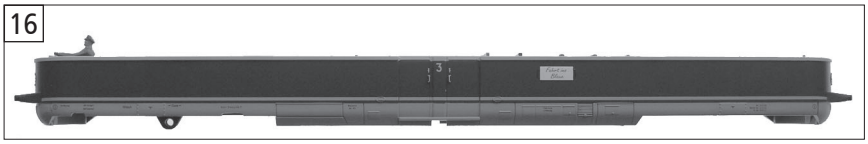
Roco **Ersatzteilliste**
Replacement Parts



63176	DB	ET491	=	
69176			~	

Pos. Nr. Pos.no.	Beschreibung Description	Art.-Nr. Art.no.	Preisgruppe Price bracket
1	Motor Motor	85126	57
2	Stromabnehmer Pantograph	85429	39
3	GF-Schraube M2x6 mm GF-Screw M2x6	114828	2
4	SK-Schraube M2x12 mm SK-Screw M2x12	129296	3
5	Schraube M1,6x3 mm Screw M1,6x3	85658	2
6	Isolierbeilagscheibe Insulating washer	86101	2
7	Motorkardanschale 1,5 Cardan bearing	87157	2
8	Platine kpl. Printed circuit ass.	129291	41
9	Antenne Antenna	88030	4
10	Trennschalter Disconnector	88005	2
11	Isolator kurz Insulator short	88008	2
12	Isolator m. Loch Insulator w. hole	88088	2
13	Schraube M2x5 mm Screw M2x5	85693	2
14	Stützisolator Insulator	88001	2
15	Drahtlampe T1 16V/30mA Light bulb	109321	10
16	Gehäuseboden Body bottom	129297	16
17	Gehäuse kpl.Betr.nr. ET 491 001-4 Body ass. no. ET 491 001-4	129309	68
18	TS - Fenster Part set window	95253	25
19	TS - Lichtleitstäbe Part set light transmission bar	95272	18
20	TS - Inneneinrichtung Part set interior	129299	40
21	TS - Sitzreihen Part set seat	129308	37
22	Leitung Line	95271	6
23	Brückenstecker Connector	100644	7
24	Lokführer Loco driver	89727	5
25	Isolator Insulator	88010	2
26	Senkantrieb Perpendicular drive	88007	3
27	TS - Dachteilesatz Part set roof...	95251	25
28	Isolator m. Loch Insulator w. hole	88150	3
29	Stromabnehmer Pantograph	85279	38
30	Schraube M1,6x6 mm Screw M1,6x6	113069	2
AC-Wechselstrom			
31	Multiprotokoll Lokdecoder Multiprotokoll Lokdecoder	10732	---

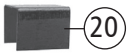
Änderungen in Konstruktion und Ausführung vorbehalten
We reserve the right to change the construction and specification
Auflage 05/2010 Blatt 2145
Edition 05/2010 Page 2145

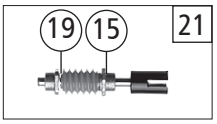




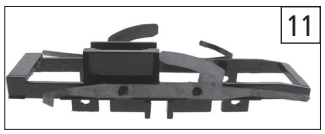


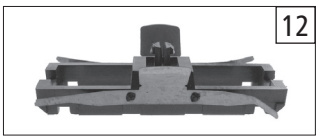


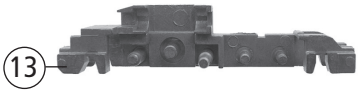




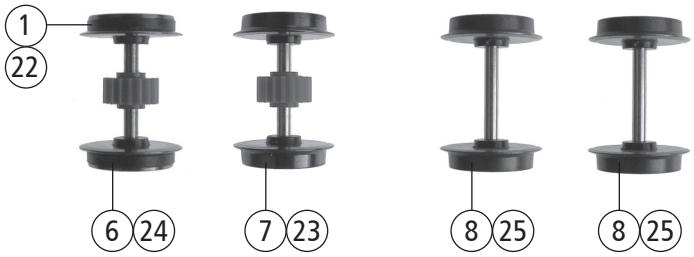


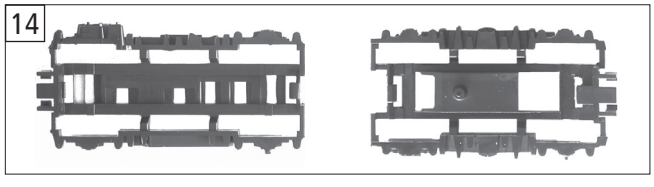


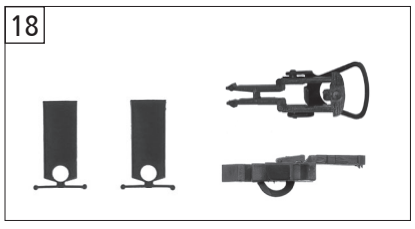


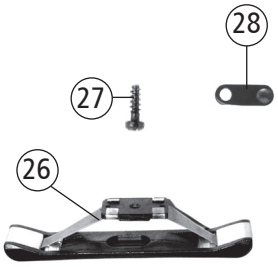












63176	DB	ET491	=	
69176			~	

Pos. Nr. Pos.no.	Beschreibung Description	Art.-Nr. Art.no.	Preisgruppe Price bracket
1	Haftrings.10Stk.10,3-12,8mm Set w. traction tieres 10 pieces	40069	---
2	Zahnrad Z=17 Gear Z=17	86409	4
3	Zahnrad Z=19/14 M-0.4 Gear Z= 19/14 M-0.4	86416	3
4	Zahnrad Z=19/14 M-0.4 Gear Z=19/14 M-0.4	86417	2
5	Puffer Buffer	88512	2
6	Radsatz m. 2Haftringen/Zahnrad Wheelset w. tractiontieres/gear	90945	20
7	Radsatz m. Zahnrad o. Haftring Wheelset w. gear without traction tieres	90946	18
8	Radsatz o. Haftring o. Zahnrad Wheelset without traction tieres/gear	90947	16
9	Schürze Pilot plow	129307	3
10	Drehgestellhalter Bogie holder	95261	3
11	Kontakthalter / Radkontakte Contact holder / wheelcontact	95262	12
12	Kontaktträger 2 mit Kontakten Contact carier with contacts	112330	12
13	Getriebe Gear	112329	12
14	Dreh- / Laufgestellblende Bogie frame set	112328	25
15	Lager für Schneckenachse Bearing for worm axle	89749	6
16	Gehäuseuntert. kpl. Body frame ass.	129298	40
17	Kardanwelle - Metall Cardan shaft metal	108008	2
18	Zursütbeutel Bag with accessories	108016	24
19	Beilagscheibe 2,1x4 / 0,2 mm Washer	86108	2
20	Getriebespange Gearbox brace	112350	2
21	Schneckensatz Worm set	112349	24
AC - Wechselstrom			
22	Haftrings.10Stk. 10,3-12,4mm Set w. traction tieres 10 pieces	40074	---
23	Radsatz m. Zahnr. o. Haftr. AC Wheelset w. gear without traction tieres	112356	18
24	Radsatz m.2Haftr. m. Zahnr. AC Wheelset w. tractiontieres/gear	112357	20
25	Radsatz o. Haftr. o. Zahnr. AC Wheelset without traction tieres/gear	112358	16
26	Schleifer 42mm Slider	86030	26
27	Schraube 1,5x5 mm Screw 1,5x5	108137	2
28	Lötfahne Solder tag	89962	2

Ersatzteile erhalten Sie bei Ihrem Fachhändler, oder Ihrer Landesvertretung:
You can order your Replacement Parts at your local dealer, your country representative: