



Search with **Ctrl-F** (PC) or **Command-F** (Mac) to quickly find what you're looking for.



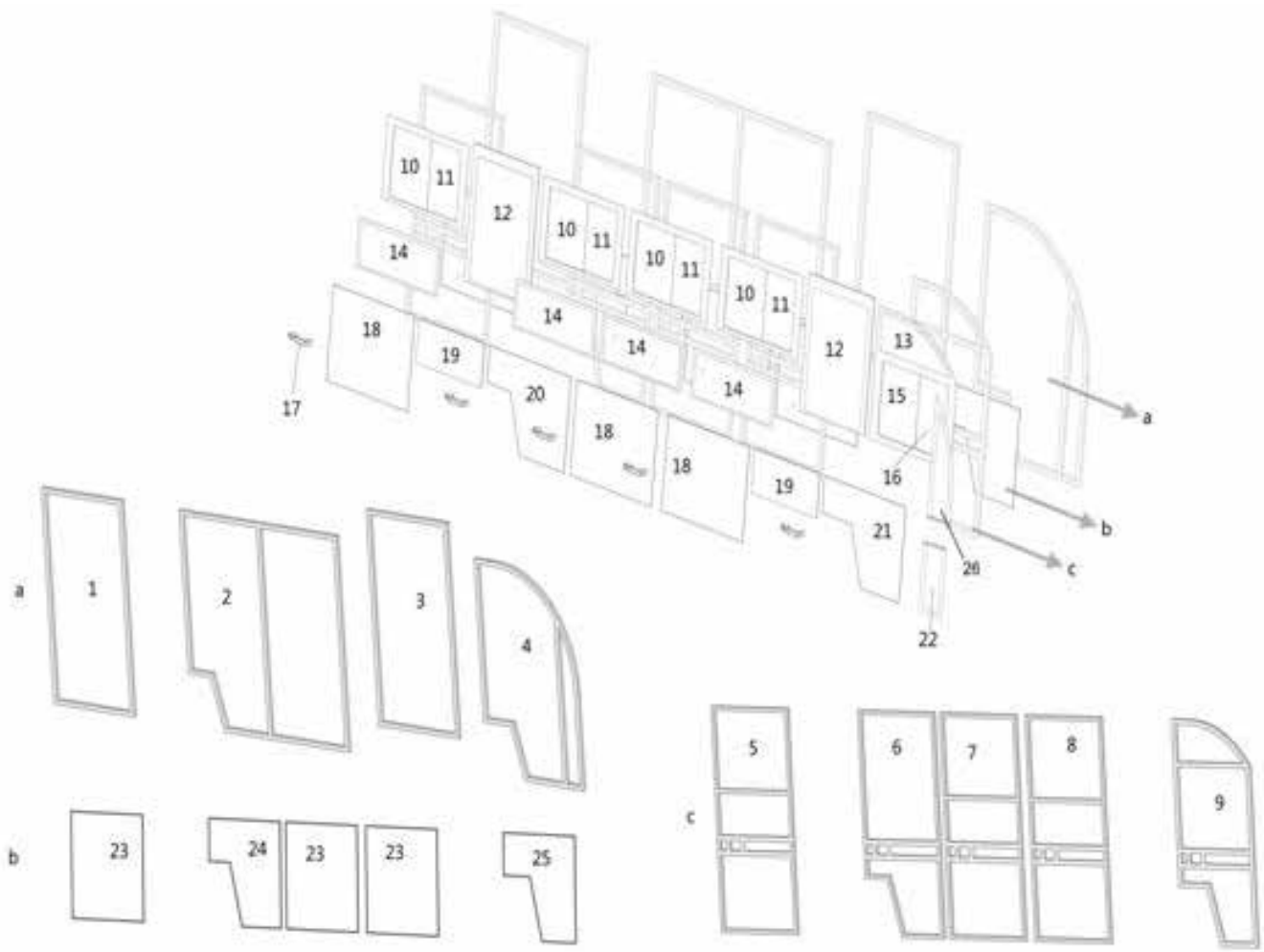
Enclosed Bus Parts Manual

BN72-14-AC-D and BN72-11-AC-D (Wheelchair Accessible)

Contents

1-1	Body	3
1-2	Door Lock	5
1-3	Body, Seats	6
1-4	Rear View Mirror	7
1-5	Body, Roof	8
2-1	72V AC System, 9.5 hp (7 kW) AC Motor	10
2-2	Wheel Assembly	12
2-3	Rear Axle	13
2-4	Half-axle (Left) of Direct Drive Axle	14
2-5	Half-axle (Right) of Direct Drive Axle	15
2-6	Automatic Drive Main Reducer Assembly	16
2-7	Differential Assembly of Direct Drive Axle	17
2-8	Parking Brake System	18
3-1	Turn Signal, Headlight	19
3-2	Rear Turn Signal Light, Taillight	20
3-3	Switch	21
3-4	Digital Meter	22
3-5	CD Player	23
3-6	Speaker	24
3-7	Steering System	25
3-8	Combination Switch	26
3-9	Steering Column Housing	27
3-10	Wiper Assembly	28
3-11	DC-DC Converter, Accelerator for AC System	29
3-12	DC-DC Converter, Accelerator for DC System	30
3-13	Harness	31
3-14	Electronic Controller Assembly, 1238	33
3-15	Battery and Cable Setup, 12 x 6V	35
3-16	Battery and Cable Setup, 16 x 6V	36
3-17	DPI Charger	38
4-1	Chassis System	39
4-2	Master Cylinder and Brake Pipe	40
4-3	Redirector Assembly	42
4-4	Steering Wheel Assembly	44
4-5	Steering Gear Assembly	45
4-6	Accelerator and Brake Pedals	47
4-7	Front Drum Brake Assembly	48
4-8	Rear Brake Assembly	50
4-9	Front Suspension Frame	52
4-10	Rear Suspension	54
4-11	Front Suspension	56

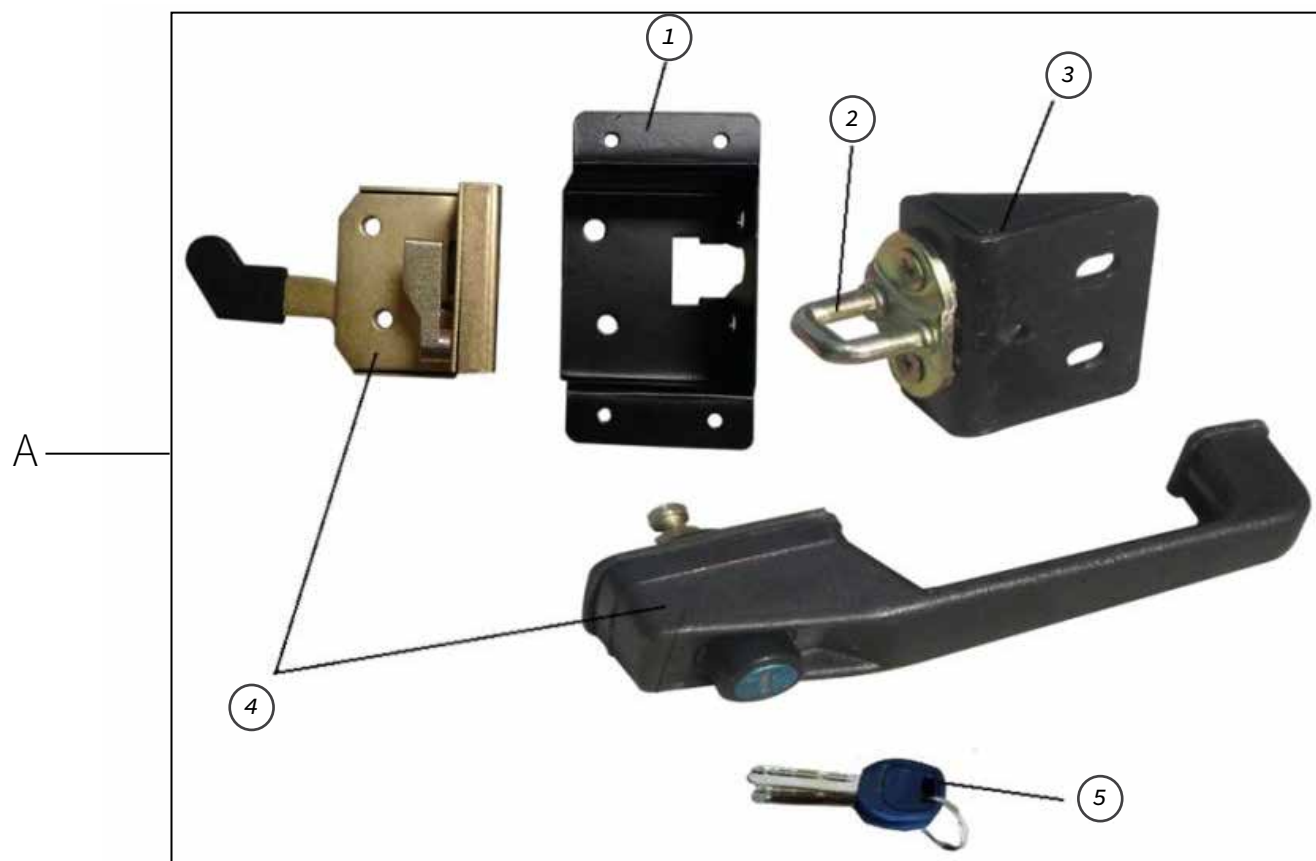
1-1 Body



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2DO450	Frame of rear door, LH	AW6142F-5505011	1
1-1	2DO451	Frame of rear door, RH	AW6142F-5505021	1
2	2DO452	Frame of Door 3 and 4, LH	AW6142F-5504011	1
2-1	2DO453	Frame of Door 3 and 4, RH	AW6142F-5504021	1
3	2DO454	Frame of Door 2, LH	AW6142F-5503011	1
3-1	2DO455	Frame of Door 2, RH	AW6142F-5503021	1
4	2DO456	Frame of front door, LH	AW6142F-5501011	1
4-1	2DO457	Frame of front door, RH	AW6142F-5501021	1
5	2DO458	Inner frame of rear door. LH	AW6142F-5505012	1
5-1	2DO459	Inner frame of rear door, RH	AW6142F-5505022	1
6	2DO460	Inner frame of Door 4, LH	AW6142F-5504012	1
6-1	2DO461	Inner frame of Door 4, RH	AW6142F-5504022	1
7	2DO462	Inner frame of Door 3, LH	AW6142F-5504013	1
7-1	2DO463	Inner frame of Door 3, RH	AW6142F-5504023	1
8	2DO464	Inner frame of Door 2, LH	AW6142F-5503012	1
8-1	2DO465	Inner frame of Door 2, RH	AW6142F-5503022	1
9	2DO466	Inner frame for Door 1, LH	AW6142F-5501012	1
9-1	2DO467	Inner frame of Door 1, RH	AW6142F-5501022	1

10	2WD700	Window glass A, LH	AW6142F-5503013	5
10-1	2WD701	Window glass A, RH	AW6142F-5503023	5
11	2WD702	Window glass B, LH	AW6142F-5503014	5
11-1	2WD703	Window glass B, RH	AW6142F-5503024	5
12	2WD704	Glass of rear support, LH	AW6142F-5502013	2
12-1	2WD705	Glass of rear support, RH	AW6142F-5502023	2
13	2WD706	Upper glass of Door 1, LH	AW6142F-5501013	1
13-1	2WD707	Upper glass of Door 1, RH	AW6142F-5501023	1
14	2WD708	Middle glass on all door	AW6142F-5503015	1
15	2WD709	Window glass A of Door 1, LH	AW6142F-5501014	1
15-1	2WD710	Window glass A of Door 1, RH	AW6142F-5501024	1
16	2WD711	Window glass B of Door 1, LH	AW6142F-5501015	1
16-1	2WD712	Window glass B of Door 1, RH	AW6142F-5501025	1
17		Door handle	AW6142F-5500001	20
18	2DO468	Lower panel of door, LH	AW6142F-5503016	3
18-1	2DO469	Lower panel of door, RH	AW6142F-5503026	3
19				
20	2DO470	Lower panel of Door 4, LH	AW6142-5504014	1
20-1	2DO471	Lower panel of Door 4, RH	AW6142F-5504024	1
21	2DO472	Lower panel of Door 1, LH	AW6142F-5501016	1
21-1	2DO473	Lower panel of Door 1, RH	AW6142F-5501026	1
22	2DO474	Lower panel of front triangle frame, LH	AW6142F-5501017	1
22-1	2DO475	Lower panel of front triangle frame, RH	AW6142F-5501027	1
23	2DO476	Lower panel of Door 2, 3 and 5, LH	AW6142F-5503017	3
23-1	2DO477	Lower panel of Door 2, 3 and 5, RH	AW6142F-5503027	3
24	2DO478	Lower panel of Door 4, LH	AW6142F-5504015	1
24-1	2DO479	Lower panel of Door 4, RH	AW6142F-5504025	1
25				1
25-1				1
26	2WD713	Upper glass of front triangle frame, LH		1
26-1	2WD714	Upper glass of front triangle frame, RH	AW6142F-5501028	1

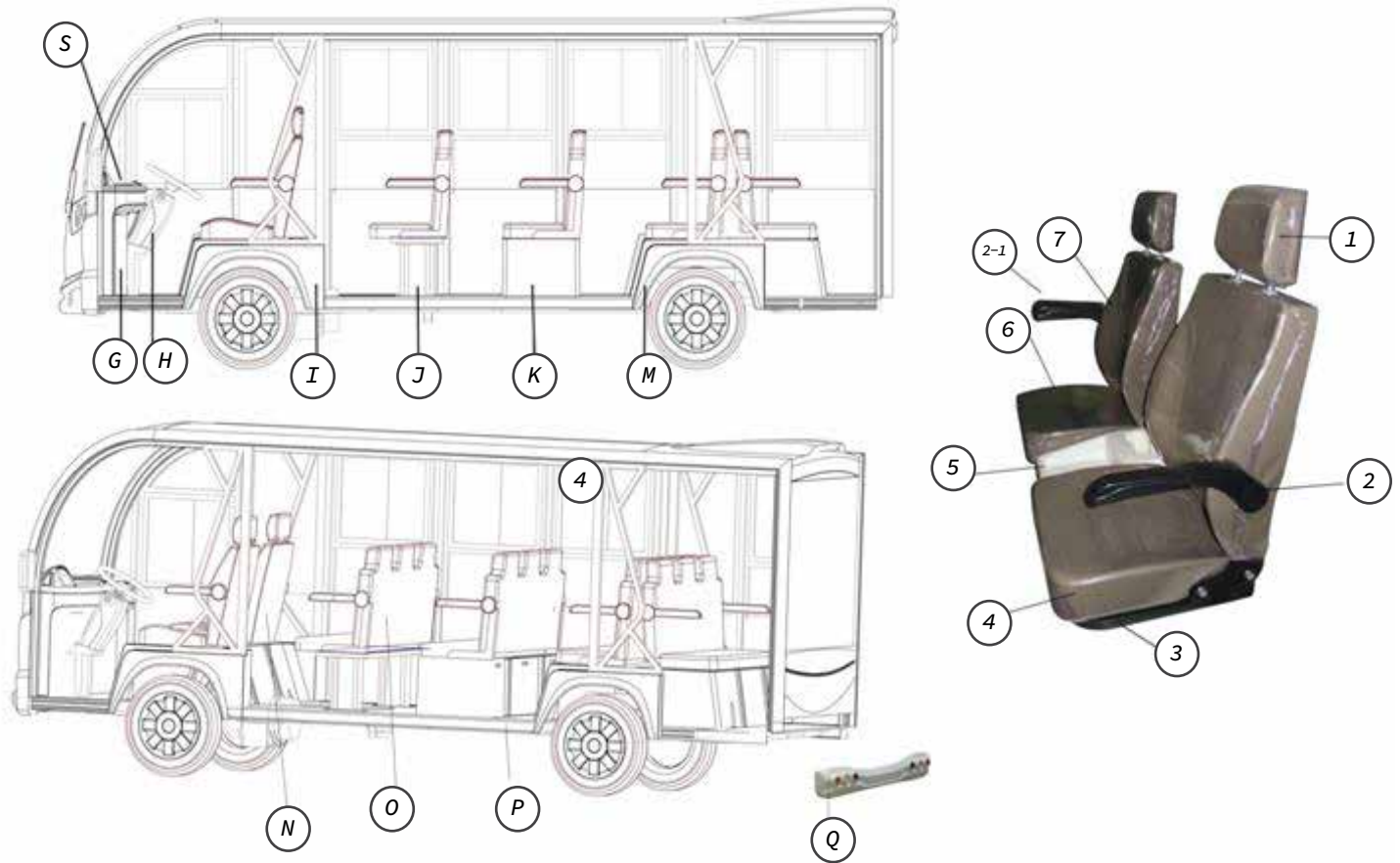
1-2 Door Lock



Assembly	STAR EV Part No.	Description	Qty
A	2DO025	Items 1-5	1

Item No.	STAR EV Part No.	Description	MPN	Qty
1	2DO090	Lock housing (Driver side)	AW6042F-5500114	1-3
	2DO100	Lock housing (Passenger side)	AW6042F-5500115	1-3
2	2DO030	Lock bolt	AW6042F-5500116	2-6
3	2DO020	Lock bracket	AW6042F-5500117	2-6
4	2DO060	Inside and outside door handle (Driver side)	AW6042F-5500118	1-3
	2DO061	Inside and outside door handle (Passengers side)	AW6042F-5500118	1-3
4.1	2DO022	Outside door handle (Driver side)	AW6042F-5500121	1-3
	2DO023	Outside door handle (Passenger side)	AW6042F-5500121	1-3
5	2KY011	Key	AW6042F-5500120	1

1-3 Body, Seats



Item No.	STAR EV Part No.	Description	MPN	Qty
F		Rear view mirror	AW6142K-8101010	1
G	2DB201	Dashboard (lower)	AW6142K-5101010	1
I		Front seat barrel FRP	AW6142K-5101015	1
J		Seat frame (steel)	AW6142K-5101020	1
K		Middle seat barrel FRP	AW6142K-5101025	1
M		Rear seat barrel FRP	AW6142K-5101030	1
N		Front seat assembly	AW6142K-6101000	1
O		Bench seat assembly (for Seat 2)	AW6142K-6102000	4
P		Bench seat assembly (for Seat 3)	AW6142K-6102001	1
		Bench seat assembly (for Seat 4, 5)	AW6142K-6102002	2
Q	2BR562	Rear bumper	AW6142K-5101050	1
S	2DB200	Dashboard (upper)	AW6142K-5101011	1
1		Headset	AW6142K-6101010	2
2		Armrest, LH	AW6142K-6101020	5
2-1		Armrest, RH	AW6142K-6101030	5
3		Seat frame (steel)	AW6142K-6101040	1
4		Seat bottom	AW6142K-6101045	2
5		Cup holder	AW6142K-6101050	1
6		Seat bottom	AW6142K-6101060	2

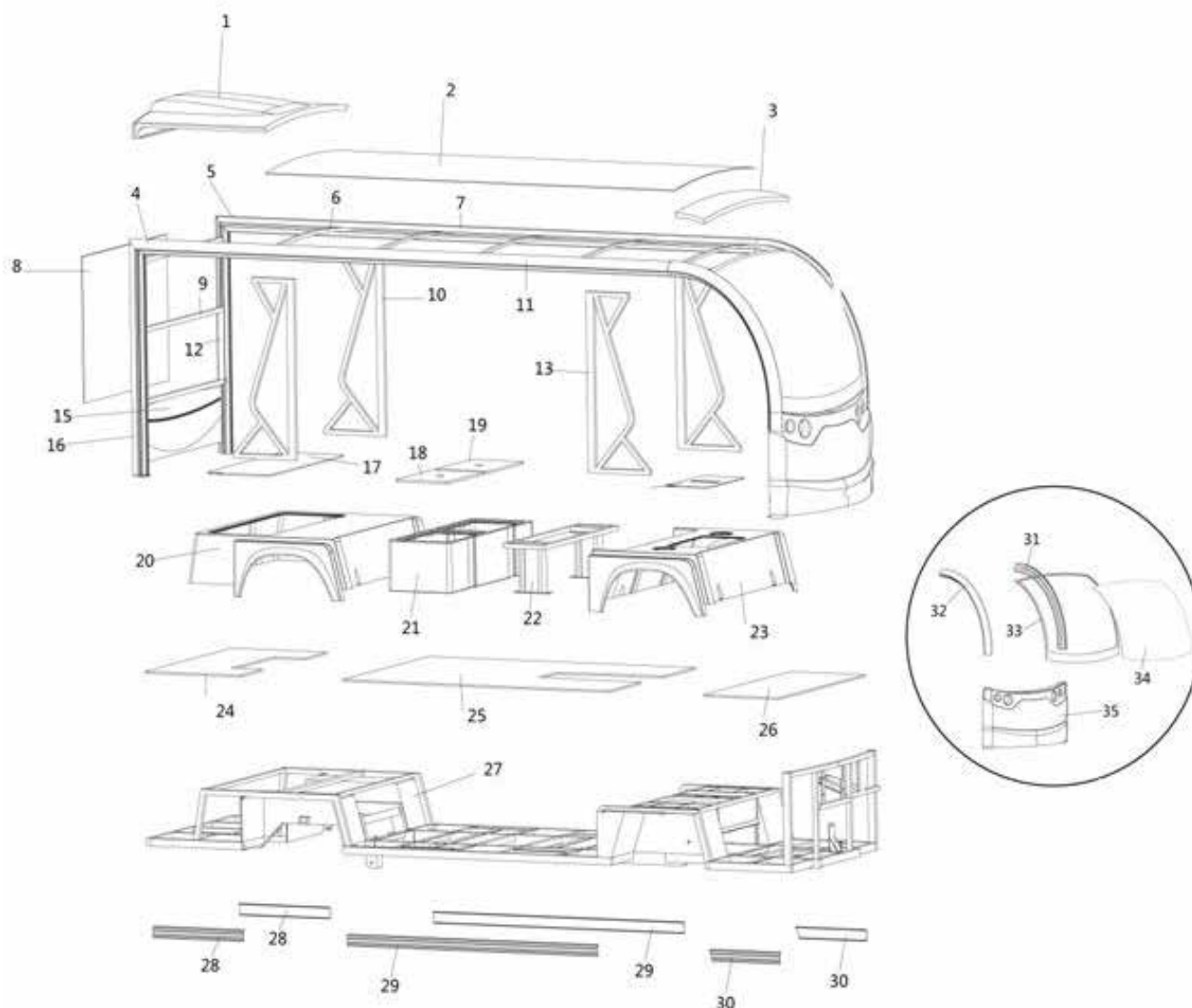
7		Seat back	AW6142K-6101065	2
---	--	-----------	-----------------	---

1-4 Rear View Mirror



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Glass (driver)	AW6142-8202011	1
		Glass (passenger)	AW6142-8202012	1
2		Plastic housing	AW6142-8202013	2
3				
4		Mount of rear view mirror (driver)	AW6142-8202015	1
		Mount of rear view mirror (passenger)	AW6142-8202016	1
5	2MR325	Rear view mirror assembly (driver)	AW6142-8202010	1
	2MR326	Rear view mirror assembly (passenger)	AW6142-8202020	1
		Mount of rear view mirror (passenger)	AW6142-8101010A	1
		Mount of rear view mirror (driver)	AW6142-8101011A	1

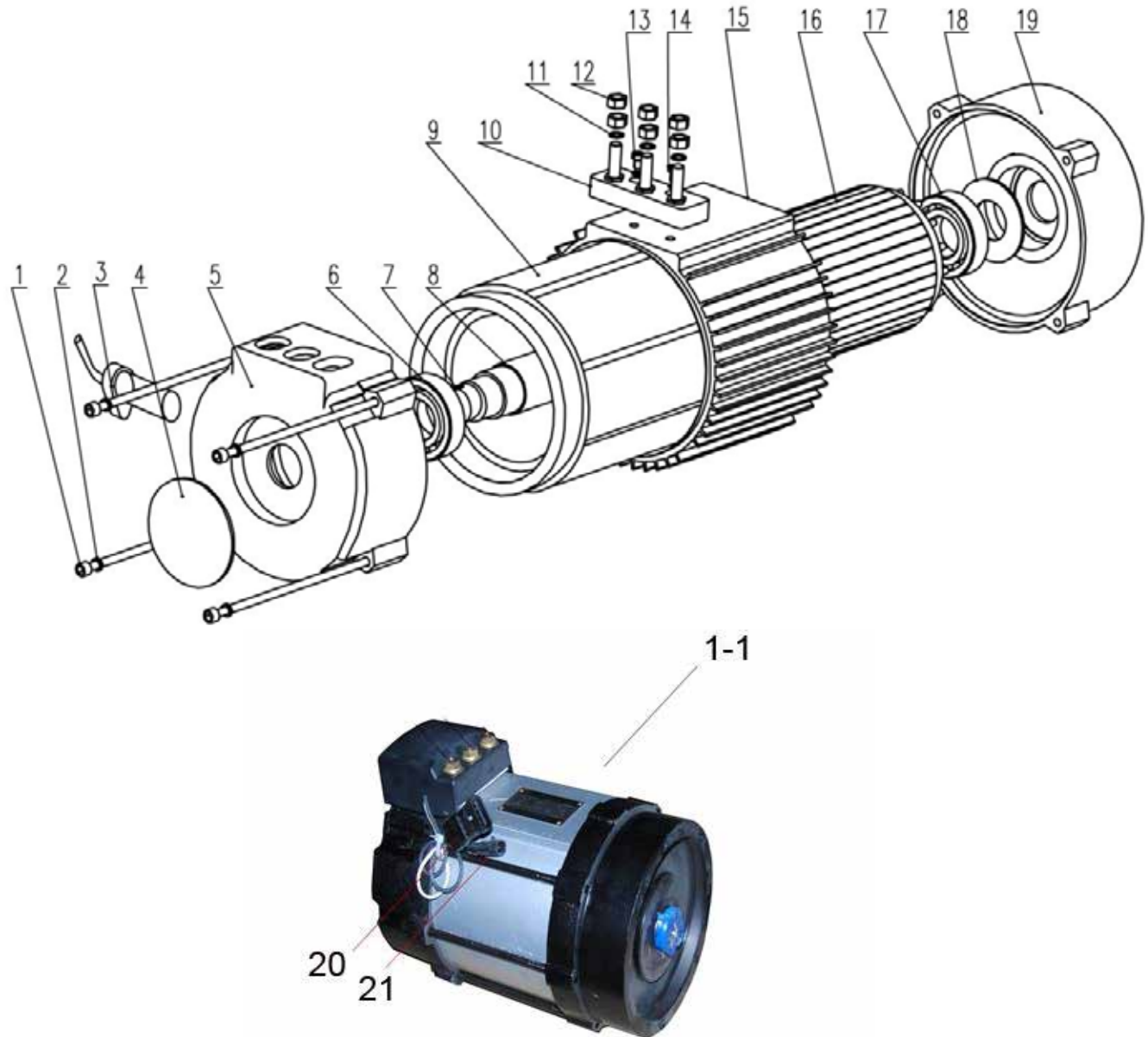
1-5 Body, Roof



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Rear roof, FRP	AW6142K-5201010	1
2		Roof panel, FRP	AW6142K-5201015	1
3		Front roof panel FRP	AW6142K-5201020	1
4		Plastic joint cap, RH	AW6142K-5201025	1
5		Plastic joint cap, LH	AW6142K-5201026	1
6		Roof cross beam	AW6142K-5201030	5
7		Roof side beam, LH	AW6142K-5201035	1
8	2WS236	Rear windshield	AW6142K-5201040	1
9		Rear cross beam	AW6142K-5201041	4
10		Side upright	AW6142K-5201045	4
11		Roof side beam, RH	AW6142K-5201036	1
12				
13		Side upright	AW6142K-5201045	4
14				

15		Rear panel, FRP	AW6142K-5201050	1
16		Rear upright, RH	AW6142K-5201055	1
16-1		Rear upright, LH	AW6142K-5201056	1
17		Cover of rear seat barrel	AW6142K-5101031	1
18		Cover of middle seat barrel	AW6142K-5101026	1
19		Cover of middle seat barrel	AW6142K-5101027	1
20		Rear seat barrel	AW6142K-5101030	1
21		Middle seat barrel	AW6142K-5101025	2
22		Middle seat steel support	AW6142K-5101020	1
23		Front seat barrel	AW6142K-5101015	1
24		Rear bamboo floor	AW6142K-5102010	1
25		Middle bamboo floor	AW6142K-5102015	1
26		Front bamboo floor	AW6142K-5102020	1
27		Chassis	AW6142K-5102030	1
28		Rear side foot step (inner), LH		1
28-1		Rear side foot step (inner), RH	AW6142K-5102035	1
29		Middle side foot step (outer), LH	AW6142K-5102040	1
29-1		Middle side foot step (outer), RH	AW6142K-5102045	1
30		Rear side foot step (inner), LH	AW6142K-5102050	1
30-1		Rear side foot step (outer), RH	AW6142K-5102055	1
31				
32				
33				
34		Front windshield	AW6142K-5103010	1
35		Front body, FRP	AW6142K-5101000	1

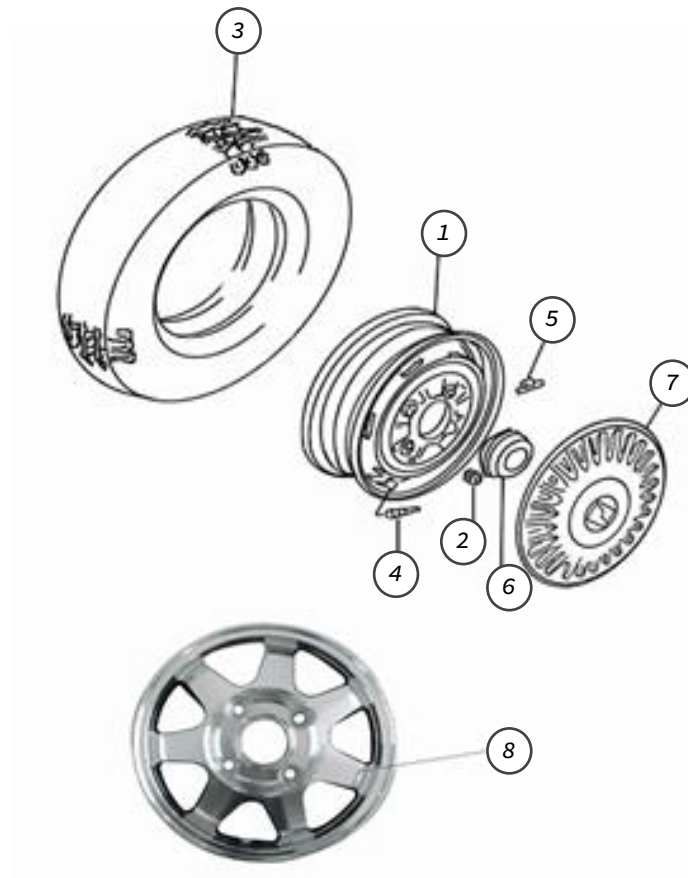
2-1 72V AC System, 9.5 hp (7 kW) AC Motor



Item No.	STAR EV Part No.	Description	MPN	Qty
1-1	2MO340	Motor, 7 kW	AW6142K-3706100	1
1		Bolt		4
2		Washer		1
3	2MO310	Encoder	AW6142K-3706110	1
4		End cover	AW6142K-3706121	1
5		End housing	AW6142K-3706122	1
6		Bearing		1
7		Flat key		1
8		Shaft	AW6142K-3706131	1
9		Rotor	AW6142K-3706132	1
10		Terminal	AW6142K-3706133	1
11		Washer		1

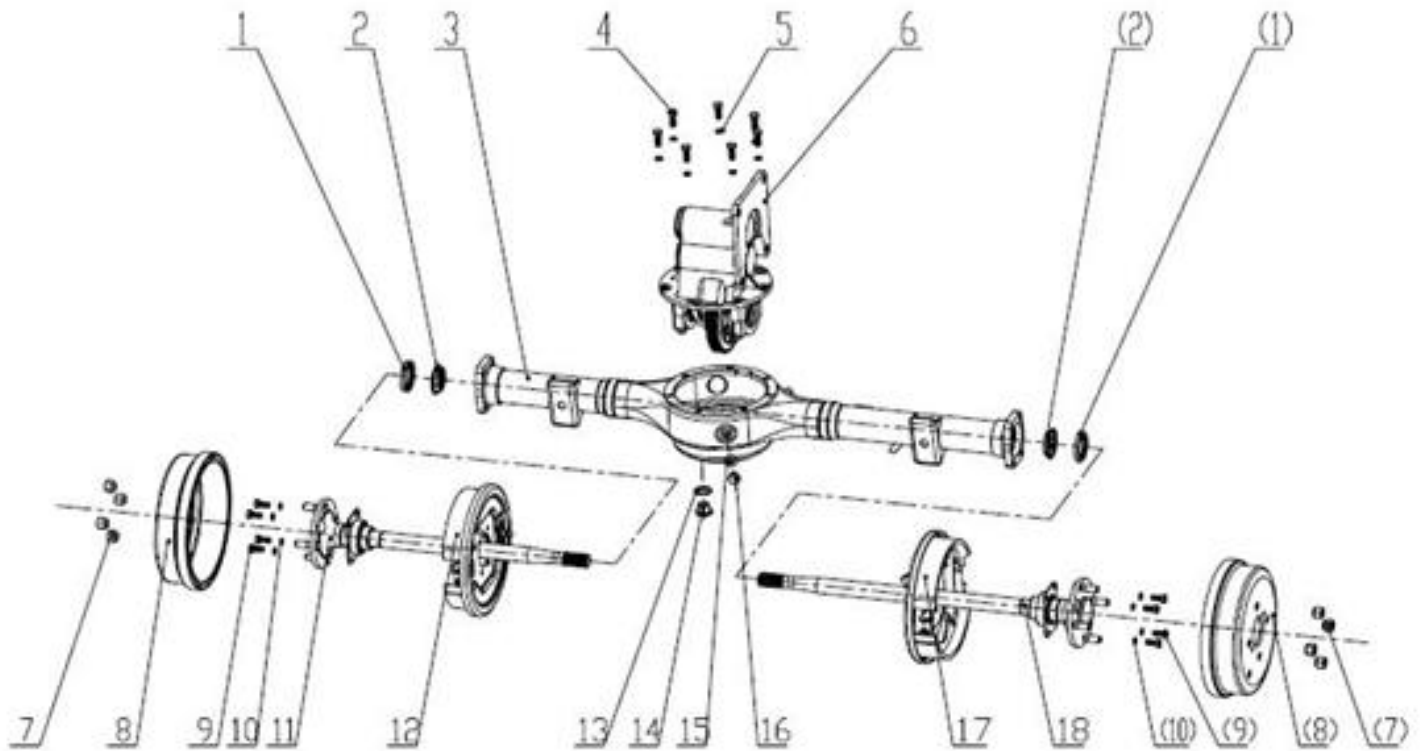
12		Nut		1
13		Washer		1
14		Bolt		1
15		Aluminum housing	AW6142K-3706120	1
16		Aluminum rotor	AW6142K-3706134	1
17		Bearing		1
18		Spring washer	AW6142K-3706123	1
19		Front housing	AW6142K-3706124	1
20		Speed encoder port	AW6142K-3706111	1
21		Temperature sensor port	AW6142K-3706111	1

2-2 Wheel Assembly



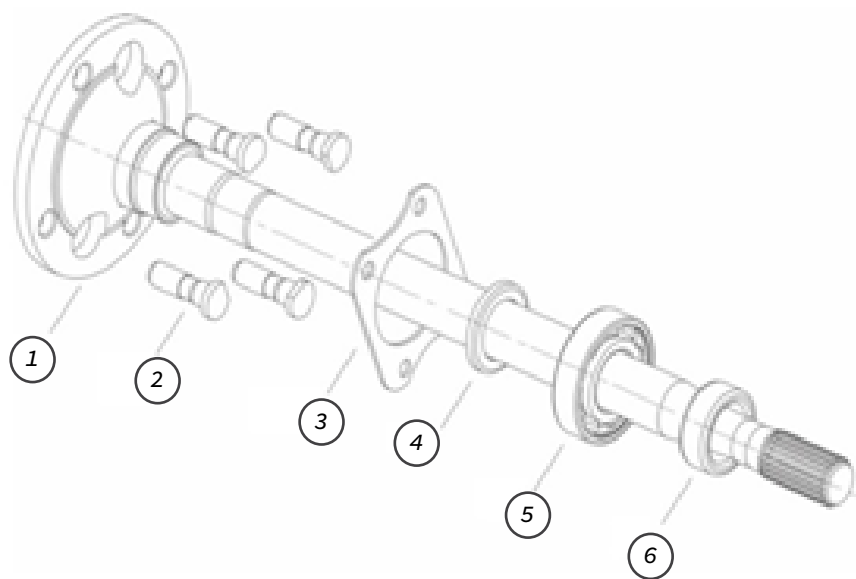
Item No.	STAR EV Part No.	Description	MPN	Qty
1		Steel Rim	AW6142K-3104010	4
2		Wheel nut	AW6142K-3104011	16
3-A	2TR252	23 x 8 x 12 Tire, May 2015 – Nov 2016	AW6142K-3106101	4
3-B	2TR250	155R12 Tire, before May 2015	AW6142K-3106100	4
3-C	2TR254	23x8.5-12 Tire, Nov 2016 and later	AW6042K-3106111	4
4		Tire valve	AW6142K-3106110	4
5		Balance patch		
6		Center cap	AW6142K-3001010	4
7		Hubcap (for steel rim only)	AW6142K-3102100	4
8-A	2RM905	12" Aluminum rim assembly, May 2015 and later	AW6142K-3104051	4
8-B	2RM915	12" Aluminum rim assembly, before May 2015	AW6142K-3104050	4

2-3 Rear Axle



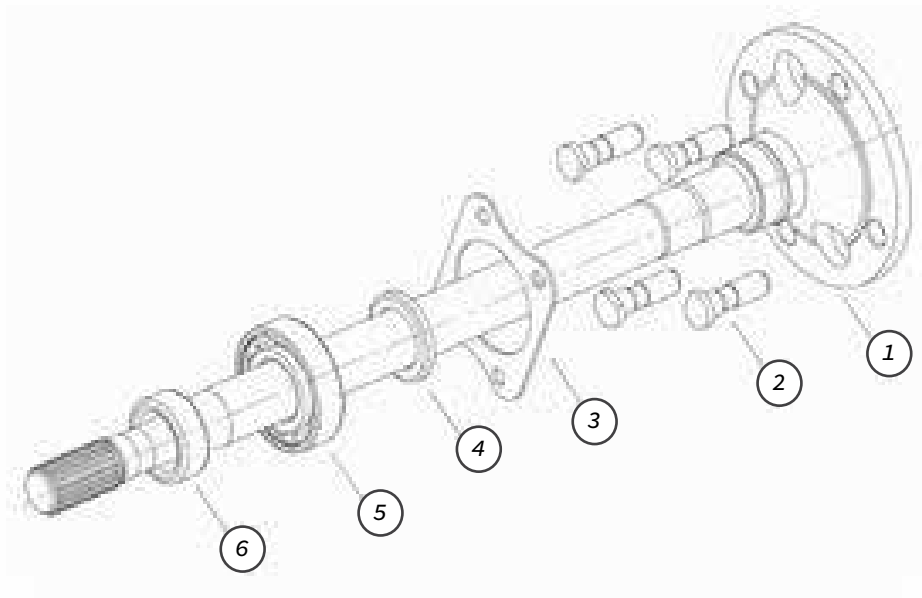
Item No.	STAR EV Part No.	Description	MPN	Qty
A	2RE200	Rear axle assembly (Parts 1-18)	AW6142K-2401000	1
1	2OL040	Rear axle oil seal assembly	9010007-06201-001	1
2	2OL041	Protective sleeve seals		1
3		Axle housing	AW6142K-2401003	1
4		Bolt		5
5		Nut		5
6	2RR245	Reduction gear housing	AW6142K-2403000	1
7	2LN001	4 pack of lugnuts, metric - 12mm x 1.25"		8
8		Brake drum (both driver/pass)	AW6142K-3503101	2
9	2LN310	Wheel Bolt stud	AW6142K-2402012	8
10		Washer		8
11	2AX600	Half-axle assembly (driver)	AW6142K-2402010	1
12	2BP028	Brake shoe assembly (driver)	HX8020-3502300	1
13		Washer		1
14		Rear axle housing oil collimator plug	AW6142K-2401004	1
15		Grease outlet gasket	AW6142K-2401005	1
16		Rear axle housing oil drain plug	AW6142K-2401006	1
17	2BP028	Brake shoe assembly (passenger)	HX8020-3502300	1
18	2AX601	Right half-axle (passenger)	AW6142K-2402020	1

2-4 Half-axle (Left) of Direct Drive Axle



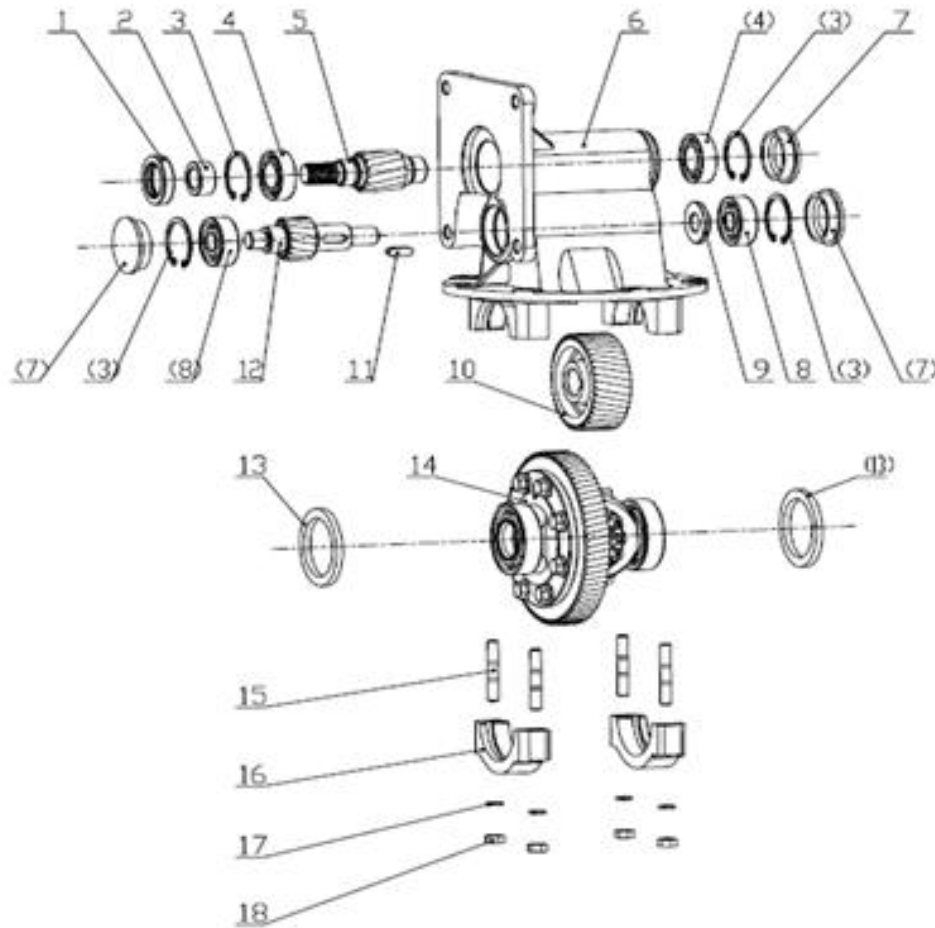
Item No.	STAR EV Part No.	Description	MPN	Qty
A	2AX600	Half-axle assembly (Parts 1-6)	AW6142K-2402010	1
1		Axle	AW6142K-2402011	1
2		Wheel Bolt	AW6142K-2402012	4
3		Bearing gland	AW6142K-2402013	1
4		Within the retaining ring	AW6142K-2402014	1
5		Bearing	AW6142K-2402015	1
6	2OL030	Outer retaining ring	9010007-06206-000	1

2-5 Half-axle (Right) of Direct Drive Axle



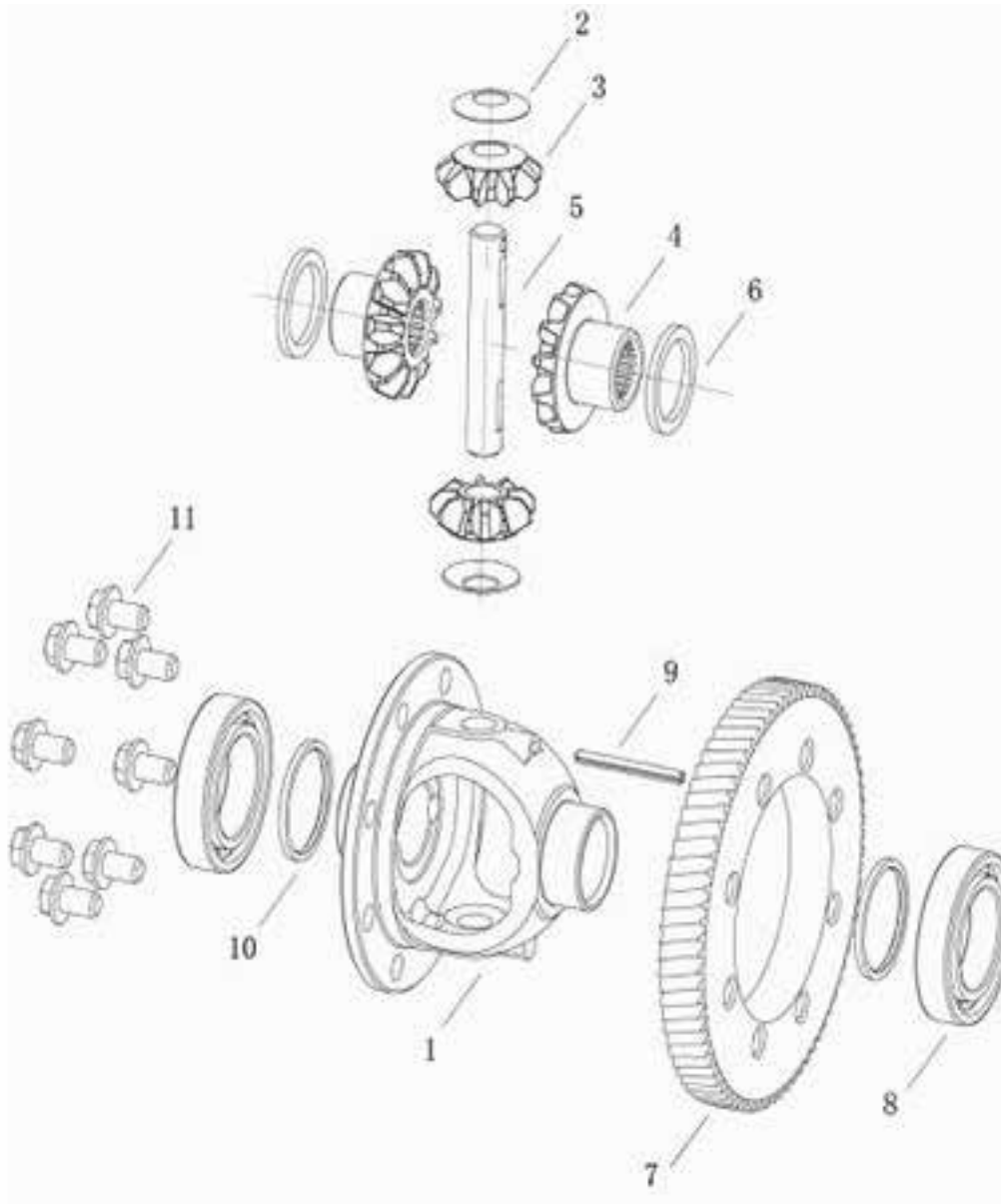
Item No.	STAR EV Part No.	Description	MPN	Qty
A	2AX601	Half axle assembly (Parts 1-6)	AW6142K-2402020	1
1		Axle	AW6142K-2402021	1
2		Wheel Bolt	AW6142K-2402012	4
3		Bearing gland	AW6142K-2402013	1
4		Within the retaining ring	AW6142K-2402014	1
5		Bearing	AW6142K-2402015	1
6		Outer retaining ring	AW6142K-2402016	1

2-6 Automatic Drive Main Reducer Assembly



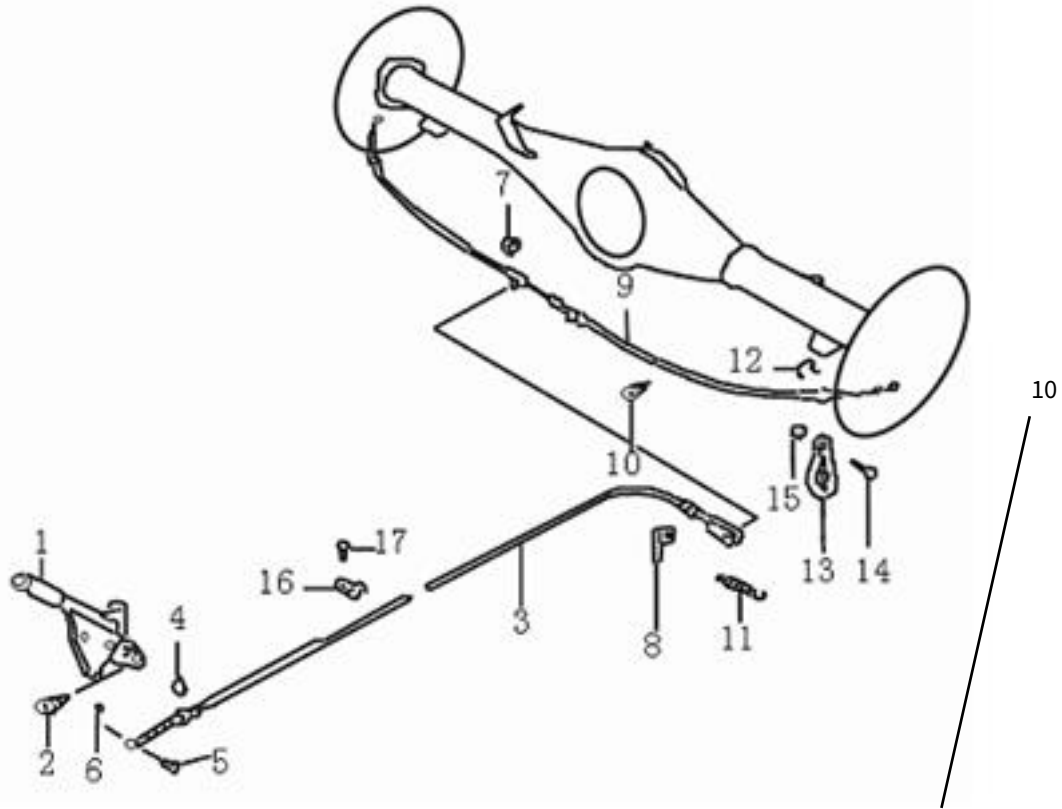
Item No.	STAR EV Part No.	Description	MPN	Qty
A	2RR245	Main reducer assembly (Parts 1-18)	AW6142K-2403000	1
1	2OL160	Oil seal	AW6142K-2403011	1
2		Bush	AW6142K-2403012	1
3		Retaining ring	AW6142K-2403013	4
4		Bearing	AW6142K-2403014	2
5		Gear shaft I	AW6142K-2403015	1
6		Reducer shell	AW6142K-2403016	1
7	2RR158	Plug	AW6142K-2403017	3
8		Bearing	AW6142K-2403018	2
9		Spacer	AW6142K-2403019	1
10	2RR246	II gear	AW6142K-2403020	1
11		Key	AW6142K-2403021	1
12		Gear shaft II	AW6142K-2403022	1
13		Retaining ring	AW6142K-2403023	2
14		Differential assembly	AW6142K-2403024	1
15		Stud	AW6142K-2403025	4
16		Differential carrier bearing cap	AW6142K-2403026	2
17		Washer		4
18		Screw nut		4

2-7 Differential Assembly of Direct Drive Axle



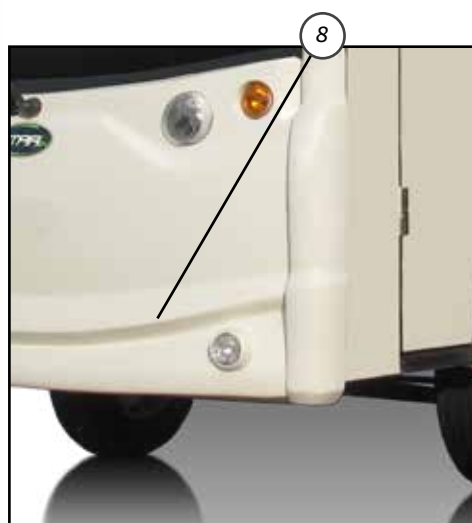
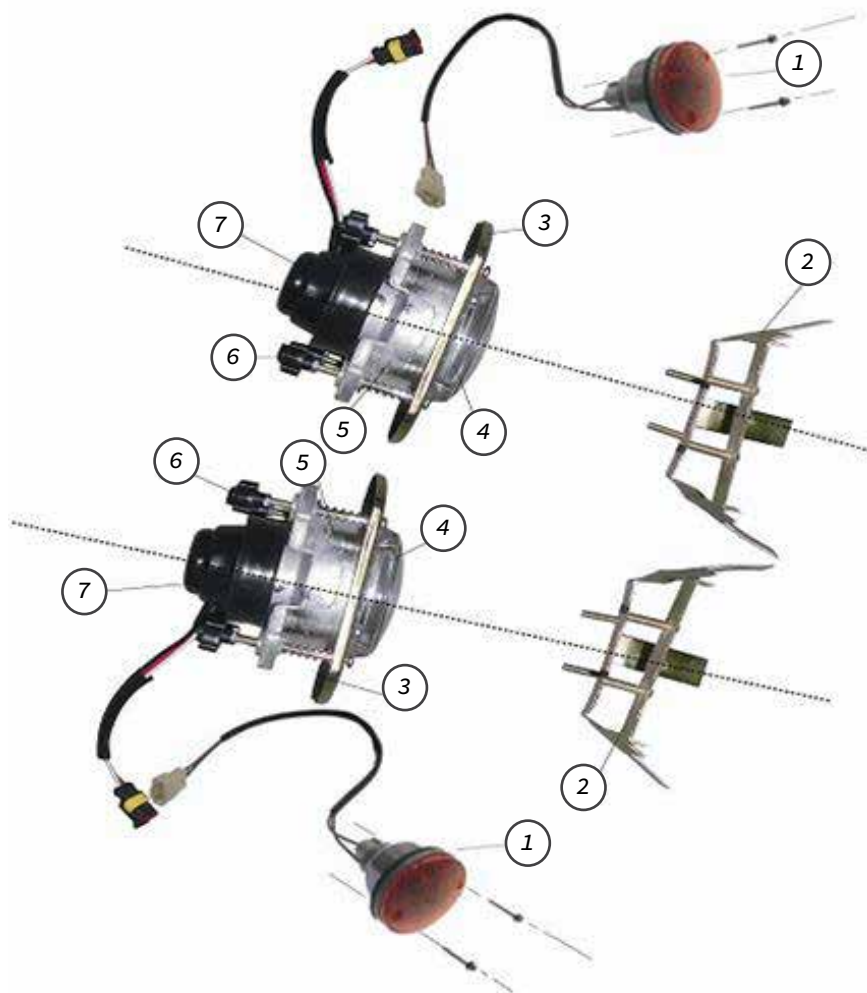
Item No.	STAR EV Part No.	Description	MPN	Qty
1		Differential housing	AW6142K-2403011	1
2		Spheroidal thrust washer	AW6142K-2403012	1
3		Planetary gear	AW6142K-2403013	2
4		Axle shaft gear	AW6142K-2403014	2
5		Planetary gear shaft	AW6142K-2403015	1
6		Adjusting gasket	AW6142K-2403016	2
7		Large gear	AW6142K-2403017	1
8		Bearing 6008	AW6142K-2403018	2
9		Pin 5x45	AW6142K-2403019	1
10		Washer	AW6142K-2403020	2
11		Driving bevel gear screw	AW6142K-2403021	8
12		Differential Assembly (Parts 1-11)	AW6142K-2403010	1

2-8 Parking Brake System



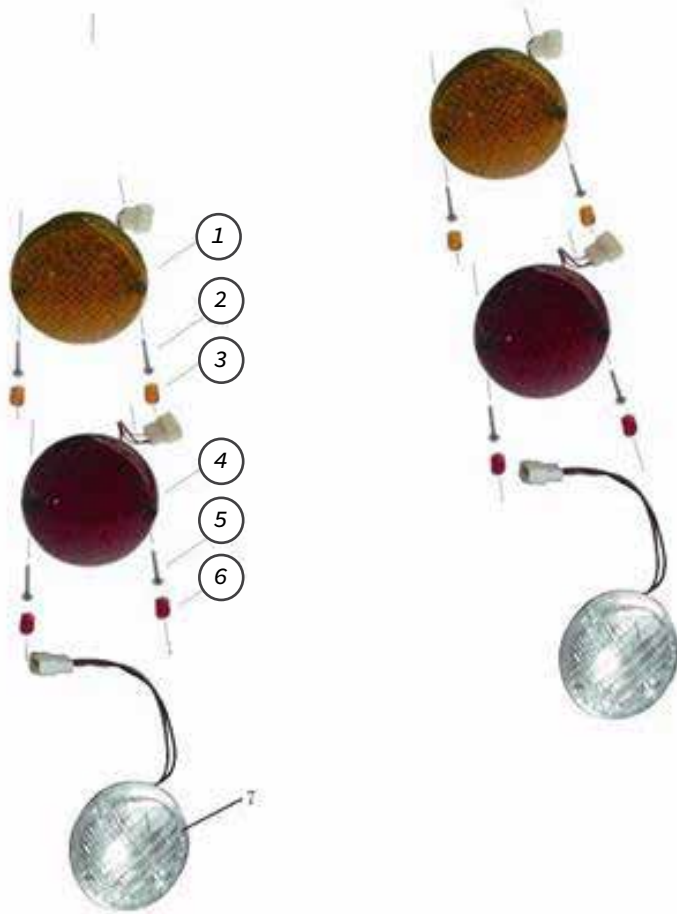
Item No.	STAR EV Part No.	Description	MPN	Qty
1		Parking brake control handle	AW6142K-3507010	1
2		Parking brake lever bolt		2
3	2CB202	Parking brake cable assembly 1 (old version: June 2016 and earlier), 112.2" cable housing rim to rim	AW6142K-3507020-A	
	2CB201	Parking brake cable assembly 1 (current version: June 2016 and later), 112.2" cable housing rim to rim	AW6142K-3507020	1
4		Cable split retaining ring 1		1
5		Cable clutch pin 1		1
6		Cable clutch pin 1		1
7		Cable grommet 1	AW6142K-3507011	1
8		Cable stopper	AW6142K-3507012	1
9	2CB205	Parking brake cable assembly 2, 61.42" cable housing rim to rim	AW6142K-3507050	1
10		Cable bracket bolt		2
11		Cable return spring	AW6142K-3507035	1
12		Parking brake cable clip 2	AW6142K-3507013	2
13		Cable flying rings	AW6142K-3507014	2
14		Cable flying rings bolt		2
15		Cable flying rings nut		2
16			AW6142K-3507015	1
17				1

3-1 Turn Signal, Headlight



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Front Turn signal assembly	AW6142K-3701010	2
2		Headlight bracket	AW6142K-3701022	2
3		Headlight	AW6142K-3701021	2
4		Light lens	AW6142K-3701023	1
5		Light body	AW6142K-3701024	1
6		Adjusting handle	AW6142K-3701025	4
7		Rear protection cover	AW6142K-3701026	1
8	2LT216	Headlight assembly (Parts 1-7)	AW6142K-3701020	2
9	2LB210	Headlight bulb	AW6142K-3701022A	2
10	2LT218	Fog light (decorative only, no wiring: DISCONTINUED, must replace with 2LT218)		2
	2LT219	Fog light (functional)	AW6142K-3701010A	

3-2 Rear Turn Signal Light, Taillight



Item No.	STAR EV Part No.	Description	MPN	Qty
1-A	2LT222	Rear turn signal bulb, LED (orange)*	AW6142K-3701031	2
1-B	2LT221	Rear turn signal bulb, normal (orange)**	AW6142K-3701030A	2
2		Bolt		2
3				2
4-A	2LT204	Rear brake light bulb, LED (red)*	AW6142K-3701041	2
4-B	22LT205	Rear brake light bulb, normal (red)**	AW6142K-3701040A	2
5		Bolt		2
6	2LT209	Back-up light LED (red)*		2
7-A	2LT210	Rear reverse light bulb, LED (clear)*	AW6142K-3701051	2
7-B		Rear reverse light bulb, normal (clear)**	AW6142K-3701050A	2
8	2LT212	Rear roof-mounted tail light	AW6042K-3701021	1

* All models after mid-2014.

** All models before mid-2014.

3-3 Switch



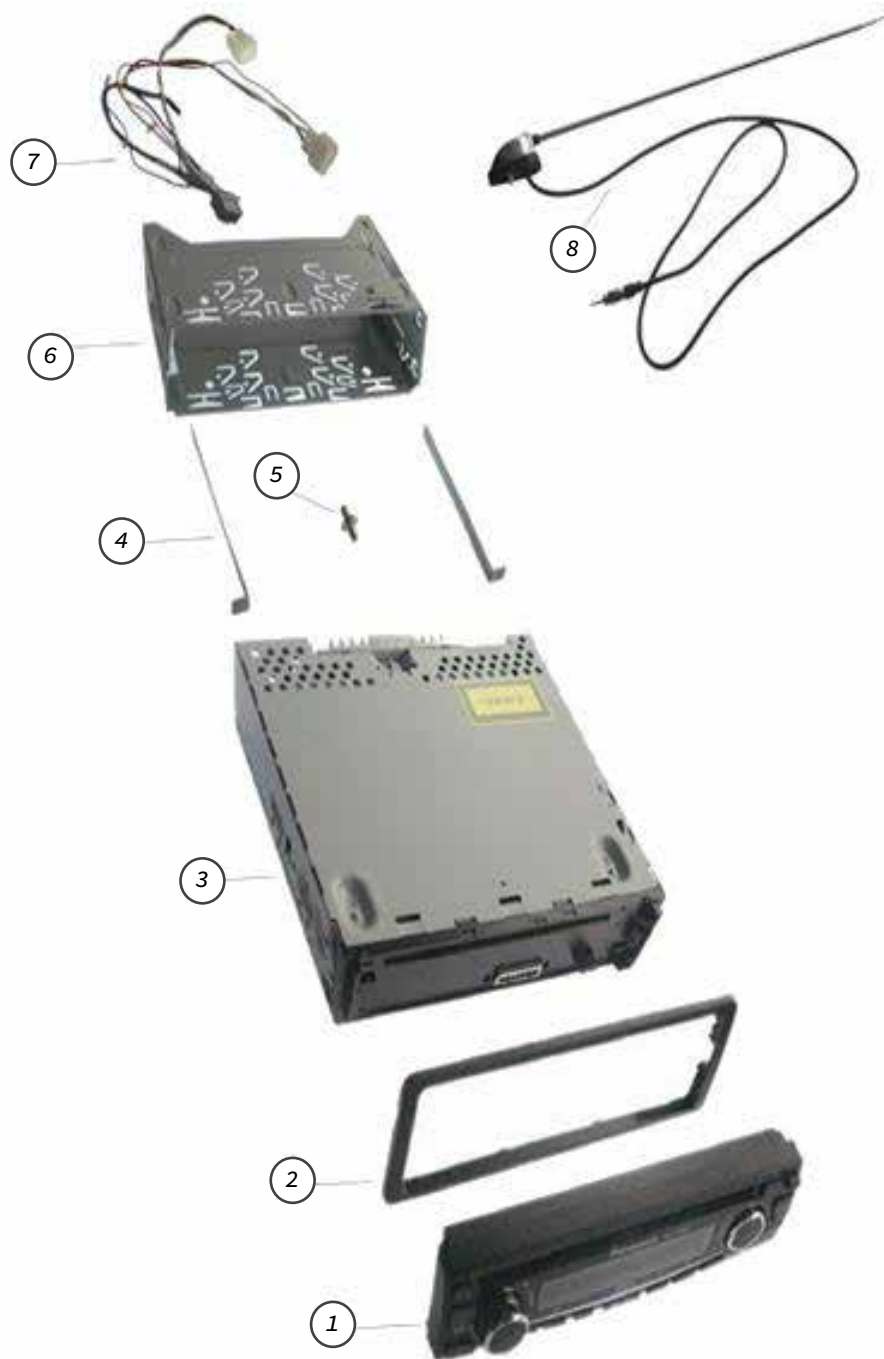
Item No.	STAR EV Part No.	Description	MPN	Qty
1		Switch panel	AW6142K-3702010	1
2		Self-tapping screw		4
3		12V accessory plug	AW6142K-3702015	1
4	2SW440	Forwards/Reverse switch	AW6142K-3702020	1
5	2SW180	Emergency switch	AW6142K-3702025	1
6		Spare place for more switches	AW6142K-3702030	1

3-4 Digital Meter



Item No.	STAR EV Part No.	Description	MPN	Qty
1-A	2MT270	Digital meter (72 V), mph (Obsolete: replacement 2MT271 compatible)	AW6142K-3702040	1
1-B	2MT271	Digital meter (72 V), km/h	AW6142K-37-2140	1

3-5 CD Player



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Control panel	AW6142K-3702051	1
2		Decoration trim	AW6142K-3702052	1
3		Body of CD	AW6142K-3702053	1
4		Strip	AW6142K-3702054	2
5		Threaded rod	AW6142K-3702055	1
6		Installation frame	AW6142K-3702056	1
7		Import /export wire	AW6142K-3702057	1
8		Wire antenna	AW6142K-3702058	1
9	2RD010	CD assembly	AW6142K-3702050	1

3-6 Speaker



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2RD050	Loud speaker	AW6142K-3702060	2
2	2SW220	Electric horn	AW6142K-3702070	1

3-7 Steering System



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Adjustment handle	AW6142K-3404011	1
2		Sleeve of steering column	AW6142K-3404012	1
3		Bolt		1
4		Adjustment link	AW6142K-3404014	1
5		Upper cam shaft	AW6142K-3404015	1
6		Washer	AW6142K-3404016	1
7		Fixing bracket	AW6142K-3404017	1
8		Lower cam shaft	AW6142K-3404018	1
9		Washer		1
10		Nut		1
11		Spring washer		1
12		Flat washer		1
13	2ST254	Steering column	AW6142K-3404023	1
14		Sleeve of Steering column	AW6142K-3404024	1
16		Fixation bracket	AW6142K-3404026	1
17		Connecting body	AW6142K-3404027	1
18				
19				
20		Lower steering shaft	AW6142K-3403029	1
21	2SW270	Power key	AW6142K-3404031	1
22		Plastic sleeve	AW6142K-3404032	1

3-8 Combination Switch



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Switch handle for wiper and electric horn	AW6142K-3703101	1
2		Switch handle for light	AW6142K-2703105	1
3		Switch assembly	AW6142K-3703100	1

3-9 Steering Column Housing



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2DB514	UPPER steering column COVER for AK & AP or Enclosed Bus	AW6142K-3404011	1
2	2DB515	LOWER steering column COVER for AK & AP or Enclosed Bus	AW6142K-3404012	1

3-10 Wiper Assembly



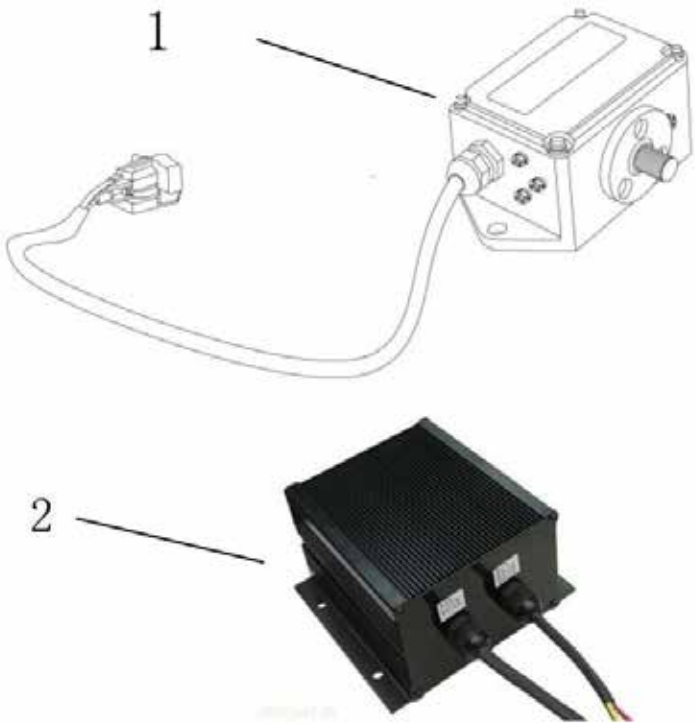
Item No.	STAR EV Part No.	Description	MPN	Qty
1				1
2	2WP042	Wiper motor	AW6142K-3703301	1
3		Swing arm	AW6142K-3703302	1
4		Washer	AW6142K-3703303	1
5		Sleeve	AW6142K-3703304	1
6		Protection sleeve	AW6142K-3703305	1
7		Nut		1
8		linkage	AW6142K-3703306	1
9		Bracket of wiper motor	AW6142K-3703307	1
10		Swing arm of motor	AW6142K-3703308	1
11		Cover	AW6142K-3703309	1
12		Outer cover	AW6142K-3703310	1
13	2WP043	Wiper arm	AW6142K-3703311	1
14	2WP041	Wiper brush	AW6142K-3703312	1
15	2WP040	Wiper Assembly (Parts 1-14)	AW6142K-3703300	1

3-11 DC-DC Converter, Accelerator for AC System



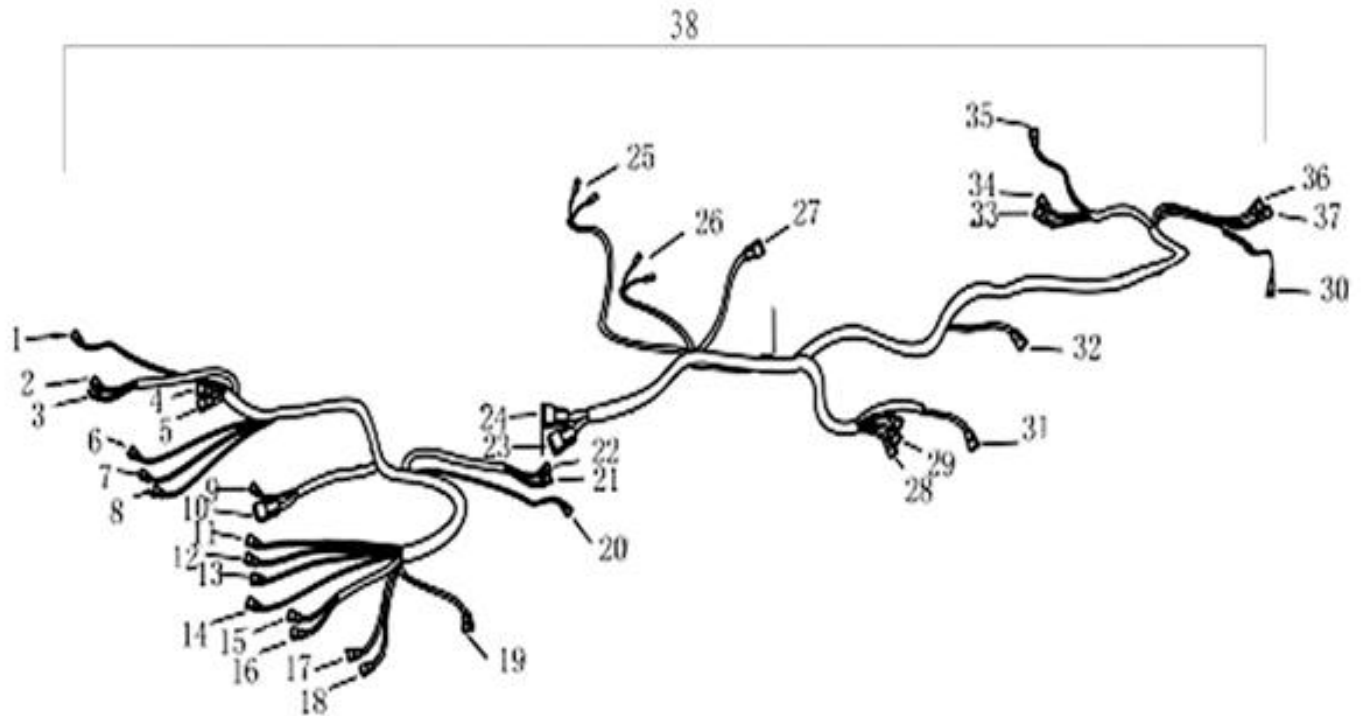
Item No.	STAR EV Part No.	Description	MPN	Qty
1	2AC100	Accelerator, AC	AW6142K-3704100AC	1
2		DC-DC convertor, 72V-12V	TDC-7212EA	1
3		To 72V out	AW6142K-3704103	1
4		To 12V in	AW6142K-3704102	1

3-12 DC-DC Converter, Accelerator for DC System



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Accelerator, DC	AW6142K-3704100	1
2		DC-DC convertor, 72V-12V	TDC-7212EA	1
3		To 72V out	AW6142K-3704103	1
4		To 12V in	AW6142K-3704102	1

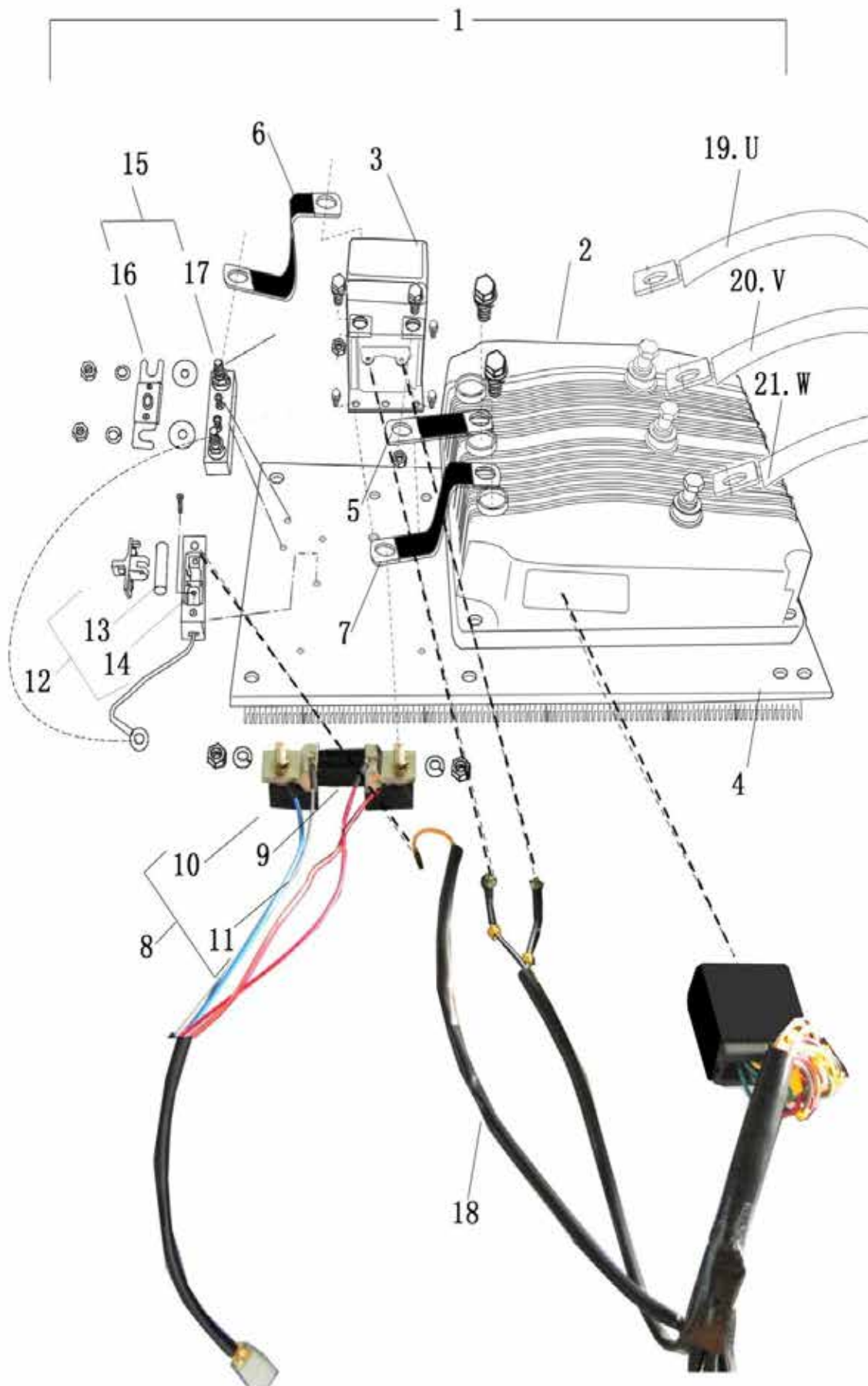
3-13 Harness



Item No.	STAR EV Part No.	Description	MPN	Qty
1		To front fog light, RH	AW6142K-3705001	1
2		To front headlight, RH	AW6142K-3705002	1
3		To front turn signal lamp, RH	AW6142K-3705003	1
4		To frame harness (1)	AW6142K-3705004	1
5		To frame harness (2)	AW6142K-3705005	1
6		To radio	AW6142K-3705006	1
7		To loud speaker, RH	AW6142K-3705007	1
8		To wiper	AW6142K-3705008	1
9		To flashing ware	AW6142K-3705009	1
10		To fuse box	AW6142K-3705010	1
11		To switch assembled (1)	AW6142K-3705011	1
12		To switch assembled (2)	AW6142K-3705012	1
13		To turn switch	AW6142K-3705013	1
14		To current voltage watch	AW6142K-3705014	1
15		To instrument indicator light	AW6142K-3705015	1
16		To warning light switch (1)	AW6142K-3705016	1
17		To warning light switch (2)	AW6142K-3705017	1
18		To loud speaker, LH	AW6142K-3705018	1
19		To ignition ware	AW6142K-3705019	1
20		To front head lamp, LH	AW6142K-3705020	1
21		To front turn signal lamp, LH	AW6142K-3705021	1
22		To front fog light, LH	AW6142K-3705022	1
23		To cab harness (1)	AW6142K-3705023	1

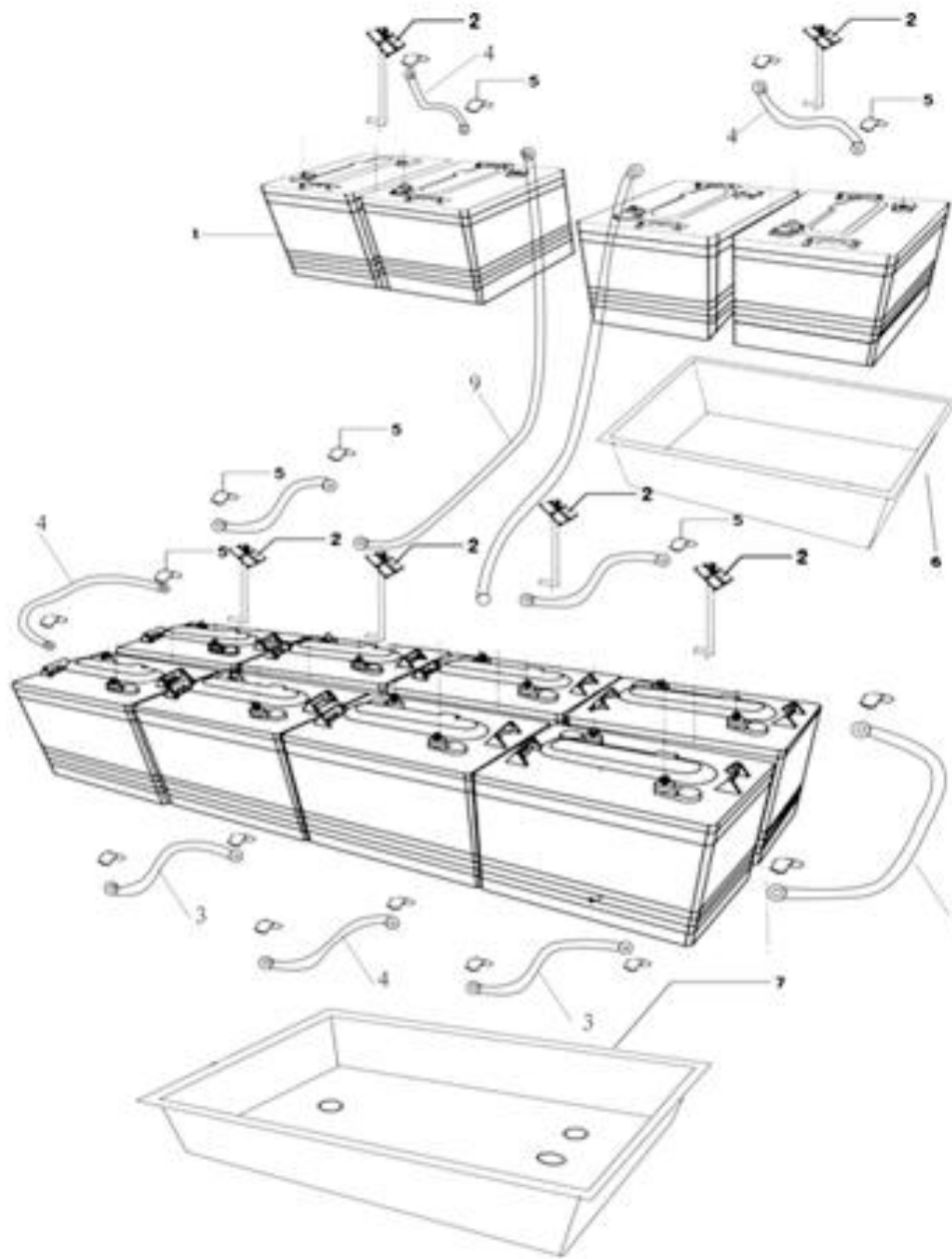
24		To cab harness (2)	AW6142K-3705024	1
25		To brake light switch	AW6142K-3705025	1
26		To electric horn	AW6142K-3705026	1
27		To accelerator	AW6142K-3705027	1
28		To shunt	AW6142K-3705028	1
29		To electric control	AW6142K-3705029	1
30		To reverse light	AW6142K-3705030	1
31		To reverse switch	AW6142K-3705031	1
32		To backup buzzer	AW6142K-3705032	1
33		To rear turn signal lamp, RH	AW6142K-3705033	1
34		To rear assembled lamp, RH	AW6142K-3705034	1
35		To rear fog lamp	AW6142K-3705035	1
36		To rear assembled lamp, LH	AW6142K-3705036	1
37		To rear turn signal lamp, LH	AW6142K-3705037	1
38		Wiring harness	AW6142K-3705000	1

3-14 Electronic Controller Assembly, 1238



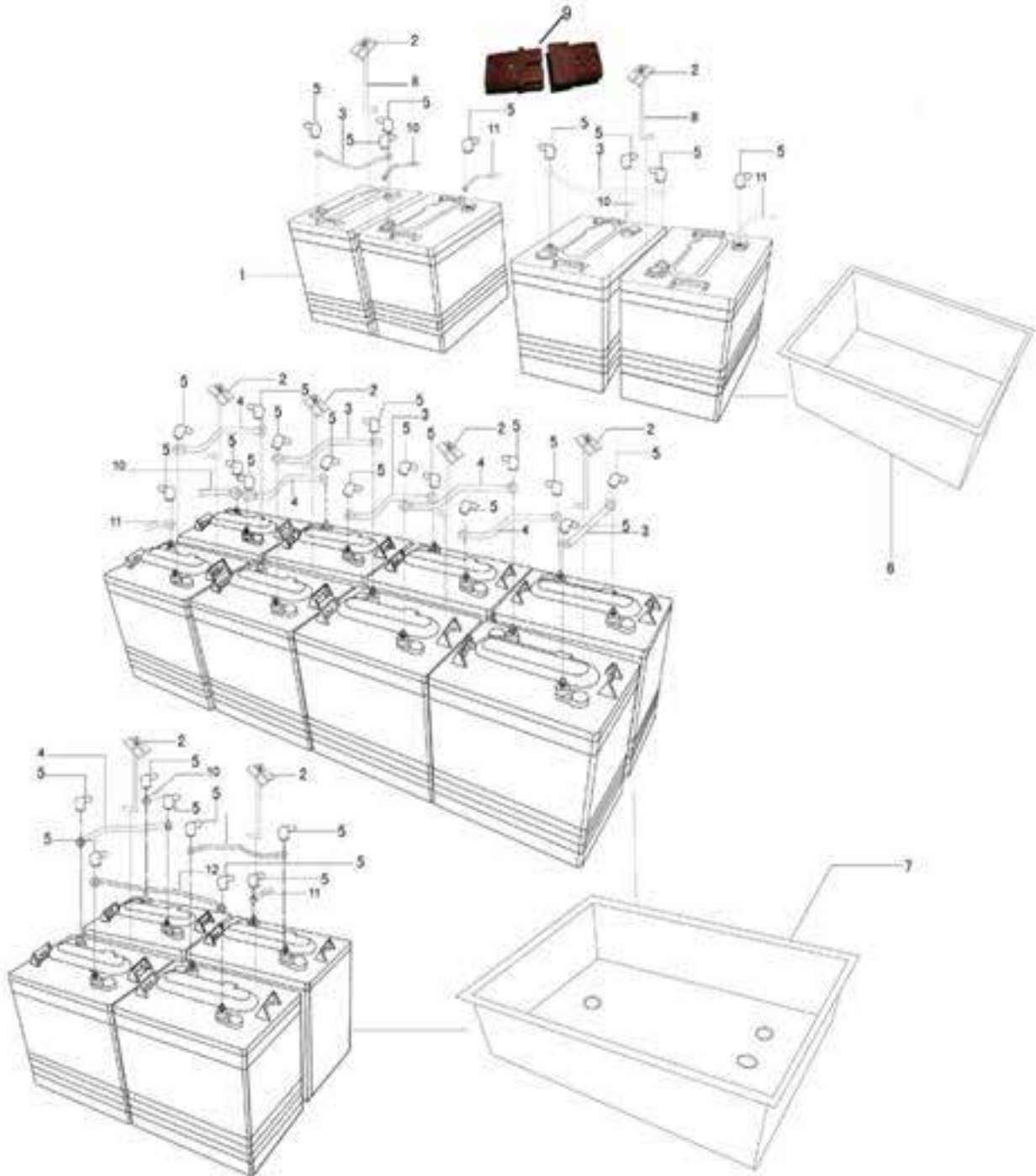
Item No.	STAR EV Part No.	Description	MPN	Qty
1		Controller Assembly	AW6142K-3707200	1
2	2CN170	Controller	AW6142K-3707201	1
3		Main Contactor	AW6142K-3707209	1
4	2CN951	Aluminum Panel	AW6142K-3707202	1
5		Converging Line1	AW6142K-3707211	1
6		Converging Line2	AW6142K-3707211	1
7		Converging Line3	AW6142K-3707211	1
8		Shunt Assembly	AW6142K-3707220	1
9		Shunt	AW6142K-3707221	1
10		Shunt Base	AW6142K-3707222	1
11		Shunt Harness	AW6142K-3707223	1
12	2FU400	Fuse Assembly	AW6042K-3707330	1
13	2FU150	Fuse	1005410-001	1
14		Fuse Base	AW6142K-3707232	1
15		Main Fuse Assembly	AW6142K-3707233	1
16	2FU150	Main Fuse	1005410-001	1
17		Main Fuse Base	AW6142K-3707235	1
18		Controller Transfer Wire Harness	AW6142K-3707215	1
19		Motor Cable-U		1
20		Motor Cable-V		1
21		Motor Cable-W		1
n/a	2RL070	Flasher relay SG152C -12V-130W	AW6042K-3701302	1
n/a	2RL072	Relay RTT7101- 12C JD1912 12V 40A	AW6042K-3701301	1

3-15 Battery and Cable Setup, 12 x 6V



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Battery	AW6142K-3704300	12
2		Battery pressure block	AW6142K-3704057	6
3		Battery cable 180mm/35 ²	AW6042K-3704054	4
4		Battery cable 260mm/35 ²	AW6142K-3704055	5
5		Battery cable jacket	AW6142K-3704056	24
6		2P battery box	AW6142K-3704060	2
7		4P battery box	AW6142K-3704059	2
8		Dead lever	AW6142K-3704058	6
9		Battery cable 2400mm/35 ²	AW6142K-3704061	2
10	2RC060	Charger receptacle	AW6142K-3701100	1

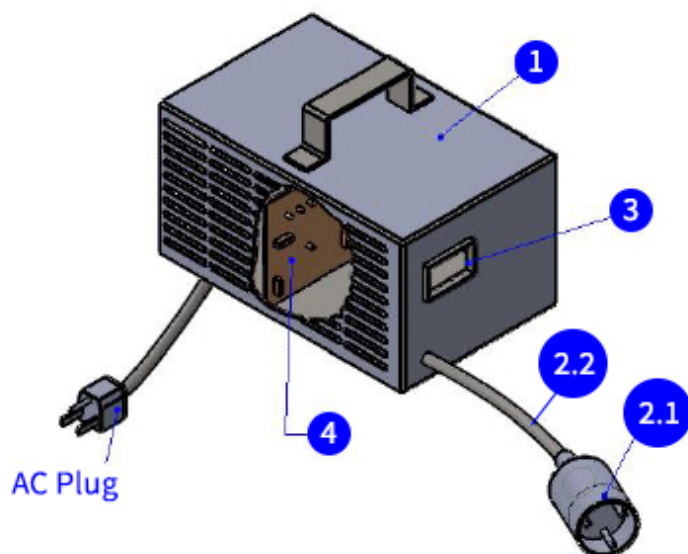
3-16 Battery and Cable Setup, 16 x 6V



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Battery T105	AW6142K-3704400	16
2		Battery pressure block	AW6142K-3704057	8
3		Battery cable 180mm/35 ²	AW6142K-3704402	6
4		Battery cable 260mm/35 ²	AW6142K-3704403	5
5		Battery jacket	AW6142K-3704056	32
6		2P battery box	AW6142K-3704060	2
7		4P battery box	AW6142K-3704059	3
8		Battery fixation pole	AW6142K-3704058	8

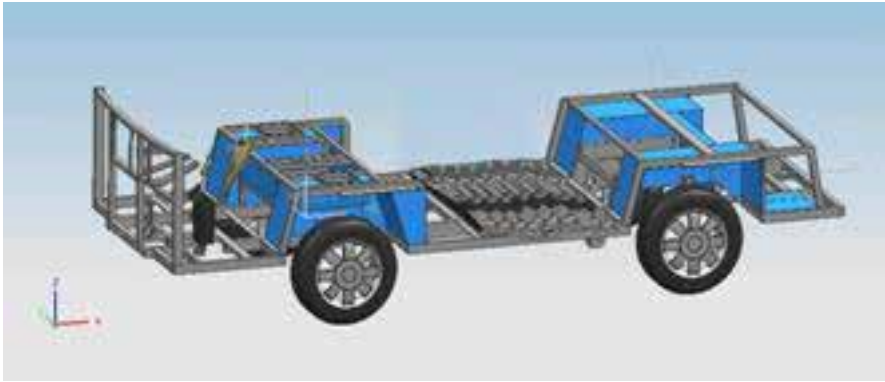
9		Receptacle	AW6142K-3701200	2
10		Power cable (+)	AW6142K-3701201	1
11		Power cable (-)	AW6142K-3701202	1
12		Battery cable 300mm/35 ²	AW6142K-3701203	1

3-17 DPI Charger



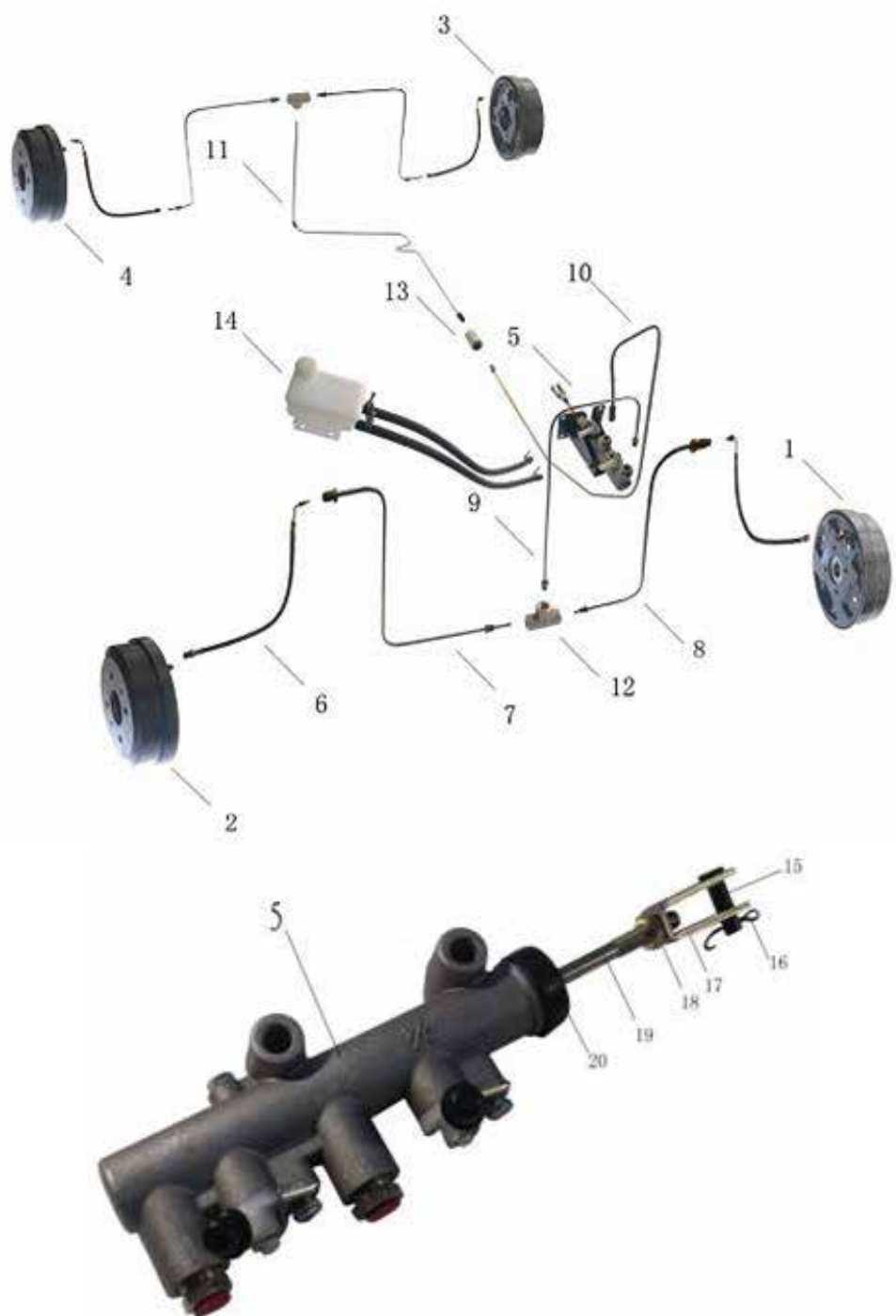
Item No.	STAR EV Part No.	Description	Remark	Qty
1	2CH072	DPI 72 V charger, 120 V		1
	2CH722	DPI 72 V charger, 220 V	220 V, 50 Hz	
2.1	2PG172	DPI male plug ONLY, green, Gen. IV		1
2.1 + 2.2	2CR072	9 ft DC 72 V output cord, green plug, Gen. IV		1
	2CR720	9 ft DC 72 V output cord, green plug, Gen. III and earlier		
3	2MT240	DPI charger AMP meter		1
4	2BI720	DPI control board, 72 V, 110 V	110 V, 60 Hz	1
	2BI721	DPI control board, 72 V, 220 V	220 V, 50 Hz	
	2BI172	DPI board kit for 72 V charger, no relay, Gen. IV		
AC Plug	2CR120	120 V AC input cord for Gen. IV charger	IPCJ0038-L001830	1
	2CR230	230 V AC input cord for Gen. IV charger	IPCJ0039-L001830	

4-1 Chassis System



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Frame assembly	AW6142K-2800000	1

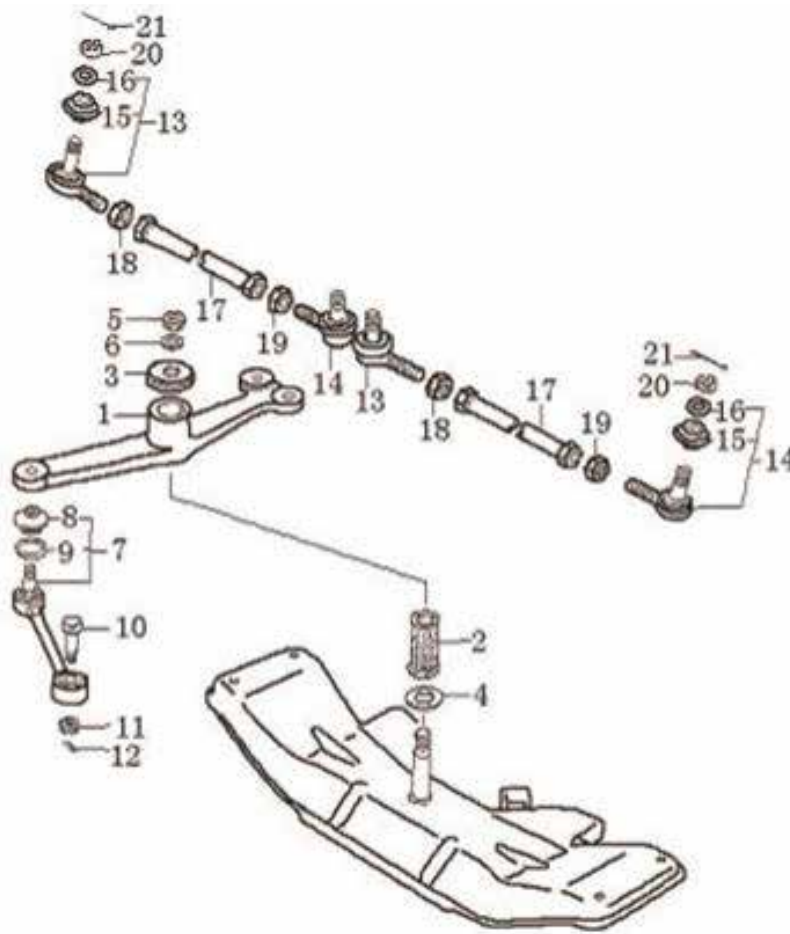
4-2 Master Cylinder and Brake Pipe



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Front brake assembly, LH	AW6042K-3502100	1
2		Front brake assembly, RH	AW6042K-3502200	1
3		Rear brake assembly, LH	AW6142K-3503100	1
4		Rear brake assembly, RH	AW6142K-3503200	1
5		Master cylinder with piston	AW6142K-3501010	1
6		Brake pipe	AW6142K-3506035	2
7		Brake pipe	AW6142K-3506036	2
8		Brake pipe	AW6142K-3506037	2

9		Brake pipe	AW6142K-3506038	1
10		Brake pipe	AW6142K-3506039	1
11		Brake pipe	AW6142K-3506040	1
12		Three-way valve	AW6142K-3506070	2
13		2-way valve	AW6142K-3506080	1
14		Tank for brake liquid Assembly	AW6142K-3506010	1
15		Pin	AW6142K-3506011	1
16		Steel wire	AW6142K-3506012	1
17		U-shaped fork	AW6142K-3506013	1
18		Piston	AW6142K-3506014	1
19		Plastic cover	AW6142K-3506015	1

4-3 Redirector Assembly



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Pitman arm	AW6142K-3401010	1
2		Pitman arm bush	AW6142K-3401011	1
3		Pitman arm dust cap	AW6142K-3401012	
4		Pitman arm washer	AW6142K-3401013	
5		Pitman arm nut		1
6		Pitman arm lock washer		1
7		Steering drag link Assembly (Items 8-12)	AW6142K-3401020	1
8		Dust cap	AW6142K-3401021	2
9		Lock spring	AW6142K-3401022	2
10		Steering drag link bolt		1
11		Nut		2
12		Split pin		2
13		Steering tie rod end Assembly, RH	AW6142K-3401031	2
14		Steering tie rod end Assembly, LH	AW6142K-3401032	2
15		Dust cap	AW6142K-3401033	4
16		Lock spring		4
17		Tie rod	AW6142K-3401034	2
18		Nut (right)	AW6142K-3401035	2
19		Nut (left)	AW6142K-3401036	2

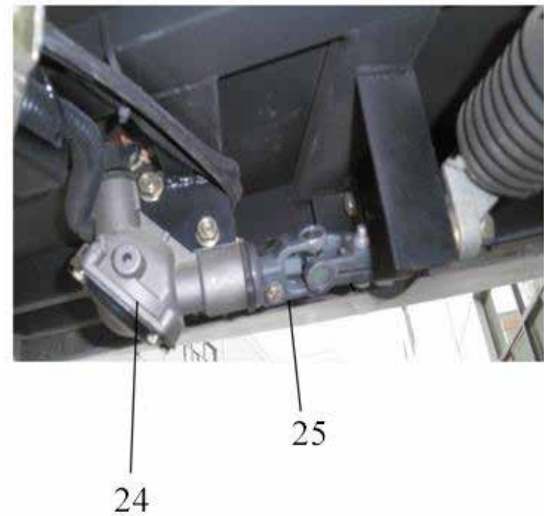
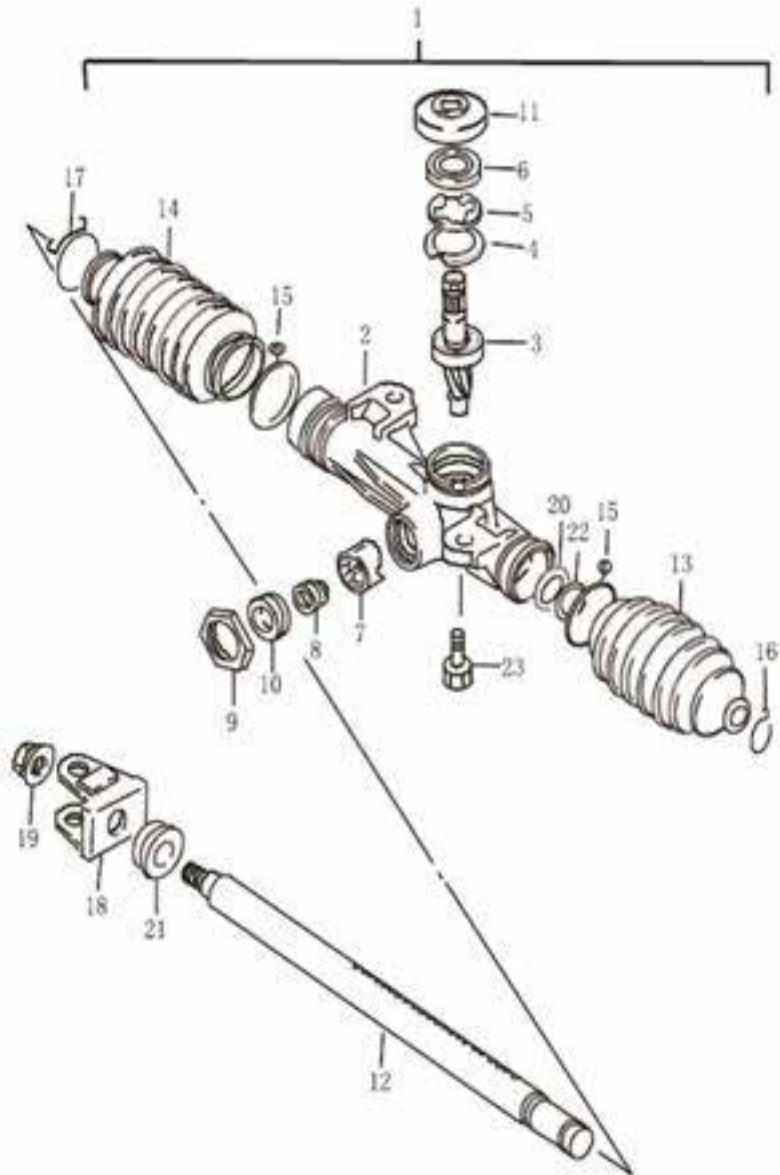
20		Nut		4
21		Split pin		4
22		Pitman arm assembly (Items 1-2)	AW6142K-3401050	1
23		Steering tie rod assembly (Items 13-21)	AW6142K-3401030	2

4-4 Steering Wheel Assembly



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Steering wheel Assembly	AW6142K-3404010	1
n/a		Steering horn cap	AW6142K-3404012	1

4-5 Steering Gear Assembly



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2ST595	Steering gear assembly	AW6142K-3402100	1
2		Steering gear housing	AW6142K-3402101	1
3	2ST596	Pinion	AW6142K-3402102	1
4		Gear bearing spring washer	AW6142K-3402103	1
5		Gear bearing washer	AW6142K-3402104	1
6		Steering gear oil seal	AW6142K-3402105	1
7		Steering rack plug	AW6142K-3402106	1
8		Rack plug spring	AW6142K-3402107	1
9		Rack damp nut	AW6142K-3402108	1
10		Rack damp bolt	AW6142K-3402109	1
11		Cap of pinion	AW6142K-3402110	1
12		Steering rack	AW6142K-3402111	1
13		Dust boot 1 of rack	AW6142K-3402112	1

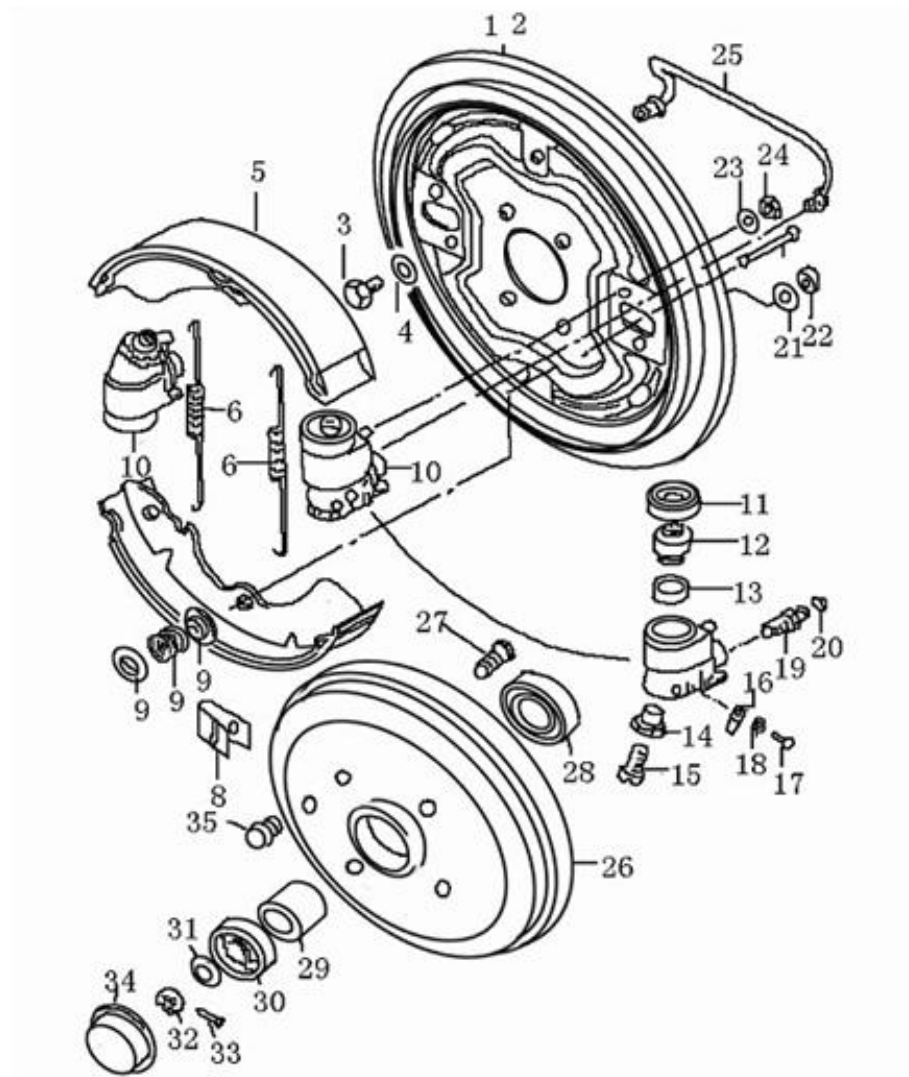
14		Dust boot 2 of rack	AW6142K-3402113	1
15		Dust boot of rack, lock	AW6142K-3402114	2
16		Dust boot of rack, lock 1	AW6142K-3402115	1
17		Dust boot of rack, lock 2	AW6142K-3402116	1
18		York, rack	AW6142K-3402117	1
19		York nut, rack	AW6142K-3402118	1
20		Limit ring of rack, no. 1	AW6142K-3402119	1
21		Limit ring of rack, no. 2	AW6142K-3402120	1
22		Limit ring of rack, spring	AW6142K-3402121	1
23		Bolt of steering gear		2
24	2ST321	Steering speed reduction box	AW6142K-3402200	1
25	2ST320	Universal joint – steering shaft assembly	AW6142K-3402201	1

4-6 Accelerator and Brake Pedals



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Brake pedal assembly	AW6042K-3508030	1
2		Accelerate assembly (for DC system)	AW6042K-2151105	1
3		Pedal mat	AW6042K-3504025	2

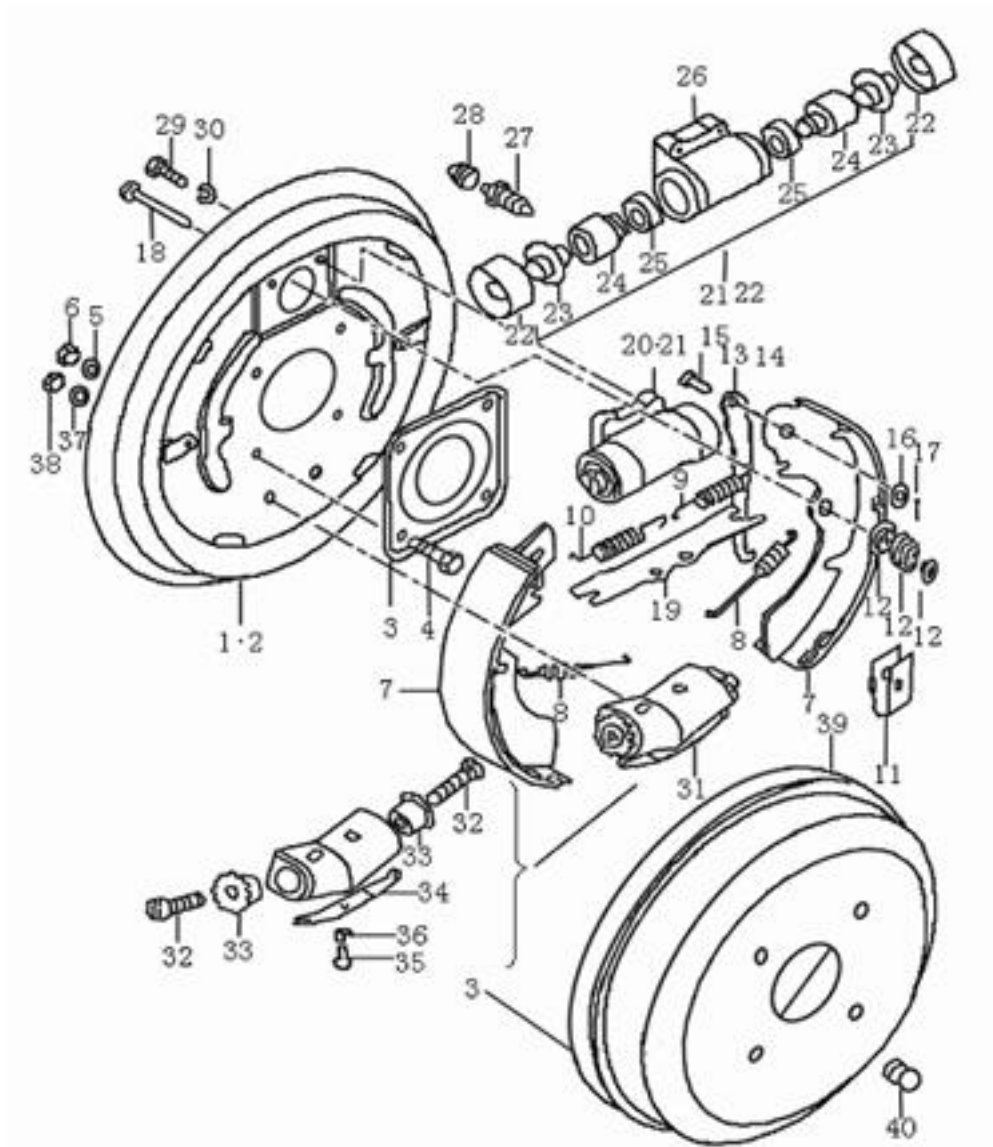
4-7 Front Drum Brake Assembly



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2BP026	Brake assembly front (passenger)	2801100-005	1
2	2BP027	Brake assembly front (driver)	2801200-005	1
3		Bolt washer assembled		8
4		Spring washer		8
5	2SH020	Brake shoe	6082-2801080	4
6		Spring		4
7		Flat head screw		4
8		Flat spring	AW6142K-3502013	4
9		Spring washer		4 (8)
10	2CY203	Upper wheel cylinder (passenger) with bleeder	2801120-005	1
	2CY202	Lower wheel cylinder (passenger) without bleeder	2801130-005	1
	2CY201	Upper wheel cylinder (driver) with bleeder	2801220-005	1
	2CY200	Lower wheel cylinder (driver) without bleeder	2801230-005	1
11		Dust boot	AW6142K-3502018	4
12		Piston	AW6142K-3502019	4
13		Bowl plug	AW6142K-3502020	4

14		Adjusting key	AW6142K-3502021	4
15		Adjusting screw	AW6142K-3502022	4
16		Flat spring	AW6142K-3502023	4
17		Screw		4
18		Spring washer		4
19		Bleed plug	AW6142K-3502024	2
20		Rubber cap	AW6142K-3502025	2
21		Spring washer		2
22		Small Hex-head nut		2
23		Spring washer		2
24		Hex-head nut		2
25		Brake pipe	AW6142K-3502026	2
26		Front drum brake	AW6142K-3502027	2
27		Blot		8
28		Inner bearing		2
29	2BS105	Bush	AW6042K-3502028	2
30		Outer bearing		2
31		Washer		2
32		Nut		2
33		Split pin		2
34		Shaft dust boot	AW6142K-3502029	2
35		Rubber plug	AW6142K-3502031	2

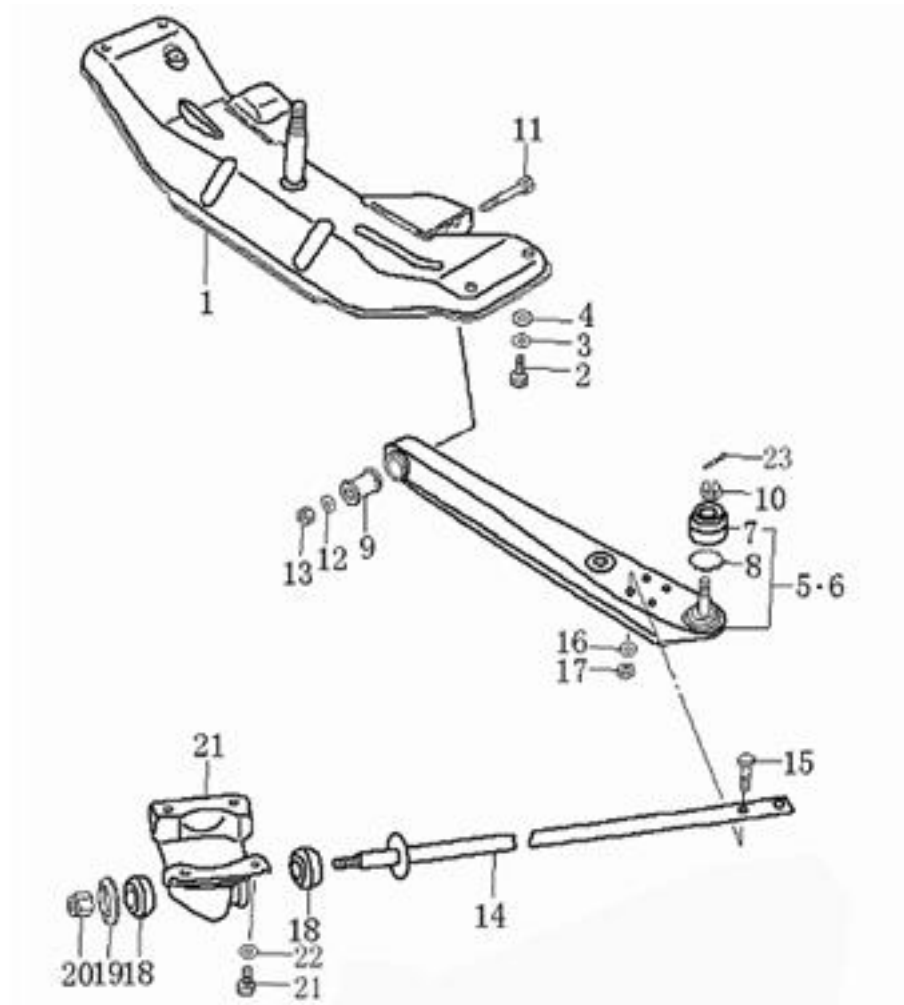
4-8 Rear Brake Assembly



Item No.	STAR EV Part No.	Description	MPN	Qty
1		Brake assembly rear, LH	AW6142K-3503100	1
2		Brake assembly rear, RH	AW6142K-3503200	1
3		Retainer strut	AW6142K-3503101	2
4		Retainer strut blot		8
5		Spring washer		8
6		Retainer strut nut		8
7	2SH030	Rear brake shoe (short pad)	1030-02802011	4
	2SH031	Rear brake shoe (long pad)	1030-02801011	
8		Rear brake shoe return spring	AW6142K-3503104	4
9		Rear brake shoe return spring (LH)	AW6142K-3503105	2
10		Rear brake shoe return spring (RH)	AW6142K-3503106	2
11		Brake shoe stationary spring	AW6142K-3503107	4
12		Spring, washer	AW6142K-3503108	4 (8)
13		RH parking brake lever	AW6142K-3503109	1

14		LH parking brake lever	AW6142K-3503110	1
15		Parking brake shoe pin	AW6142K-3503111	2
16		Brake shoe pin shim		2
17		Split pin		2
18		Hold-down pin		4
19		Parking brake strut	AW6142K-3503112	2
20	2CY204	Rear wheel cylinder (driver or passenger side)	EG8180-3502510	2
21				
22		Rear wheel cylinder boot	AW6142K-3503115	4
23		Rear wheel cylinder strut	AW6142K-3503116	4
24		Rear wheel cylinder piston	AW6142K-3503117	4
25		Rear wheel cylinder cup	AW6142K-3503118	4
26		Rear wheel cylinder housing	AW6142K-3503119	2
27		Bleed plug	AW6142K-3503120	1
28		Rubber cap	AW6142K-3503121	1
29		Bolt Hex –head castle		4
30		Spring washer		4
31		Fixed strut assembly	AW6142K-3503122	2
32		Adjusting screw	AW6142K-3503123	4
33		Adjusting piece	AW6142K-3503124	4
34		Lock flat spring	AW6142K-3503125	2
35		Cross slot screw		2
36		Spring washer		2
37		Spring washer		4
38		Small nut hex –head castle		4
39		Rear brake hub assembly	AW6142K-3503034	2
40		Rubber plug	AW6142K-3503035	2

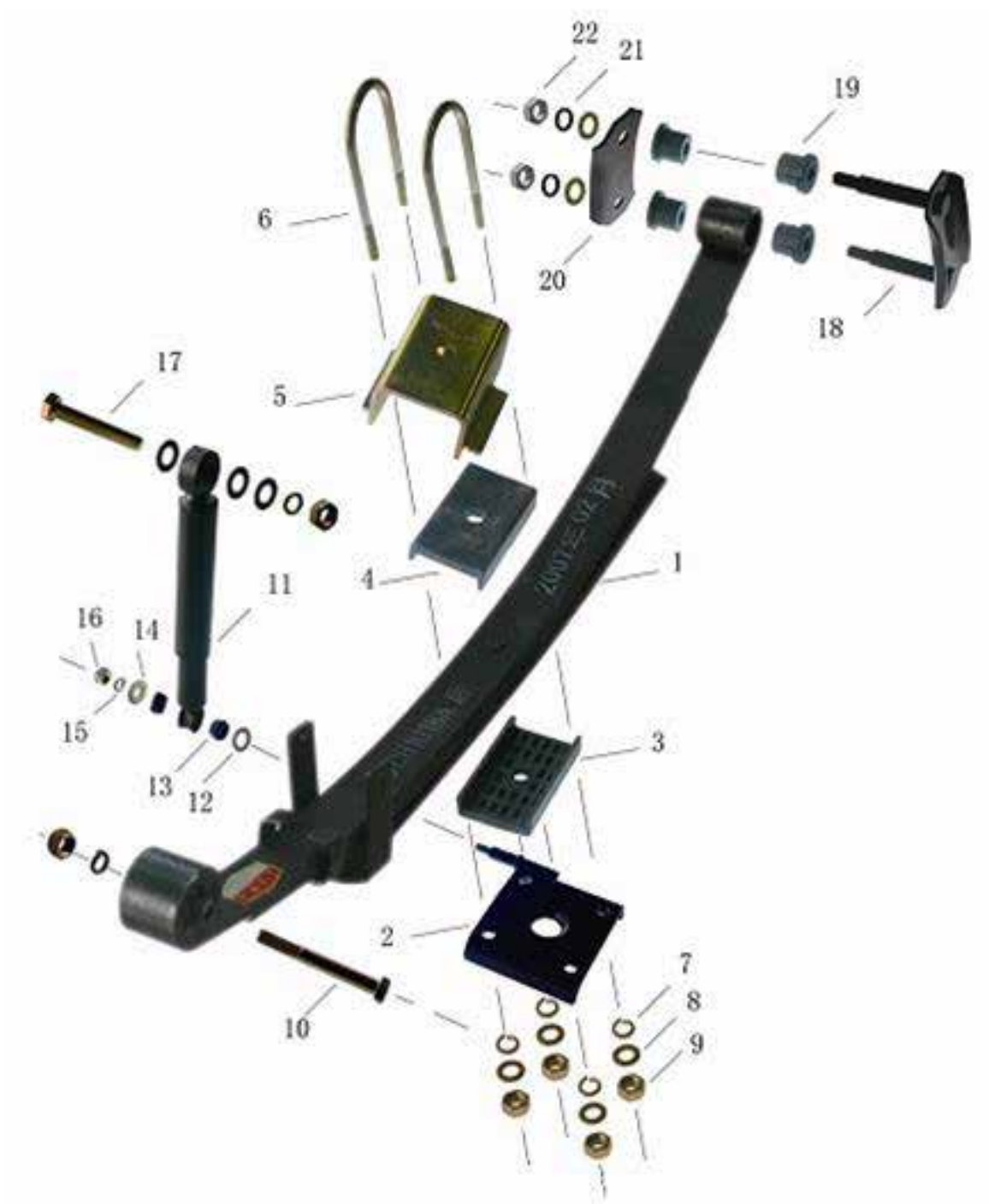
4-9 Front Suspension Frame



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2SC160	Front suspension frame	AW6142K-2901100	1
2		Bolt		4
3		Spring washer		4
4		Washer		4
5		Front suspension arm assembly, RH	AW6142K-2901010	1
		Front suspension arm assembly, LH	AW6142K-2901011	1
6		Boot assembly	AW6142K-2901012	2
7		Clip	AW6142K-2901013	2
8		Bush	AW6142K-2901014	2
9		Nut	AW6142K-2901015	2
10		Bolt		2
11		Spring washer		2
12		Nut		2
13	2SC030	Tension rod assembly		2
14		Bolt	AW6142K-2901020	2
15		Spring washer		4
16		Nut		4
17		Tension rod bush		4

18		Tension rod washer	AW6142K-2906021	4
19		Tension rod nut		2
20		Tension rod plank		2
21		Tension rod plank Bolt		8
22		Tension rod plank spring washer		8
23		Tension rod bush		2

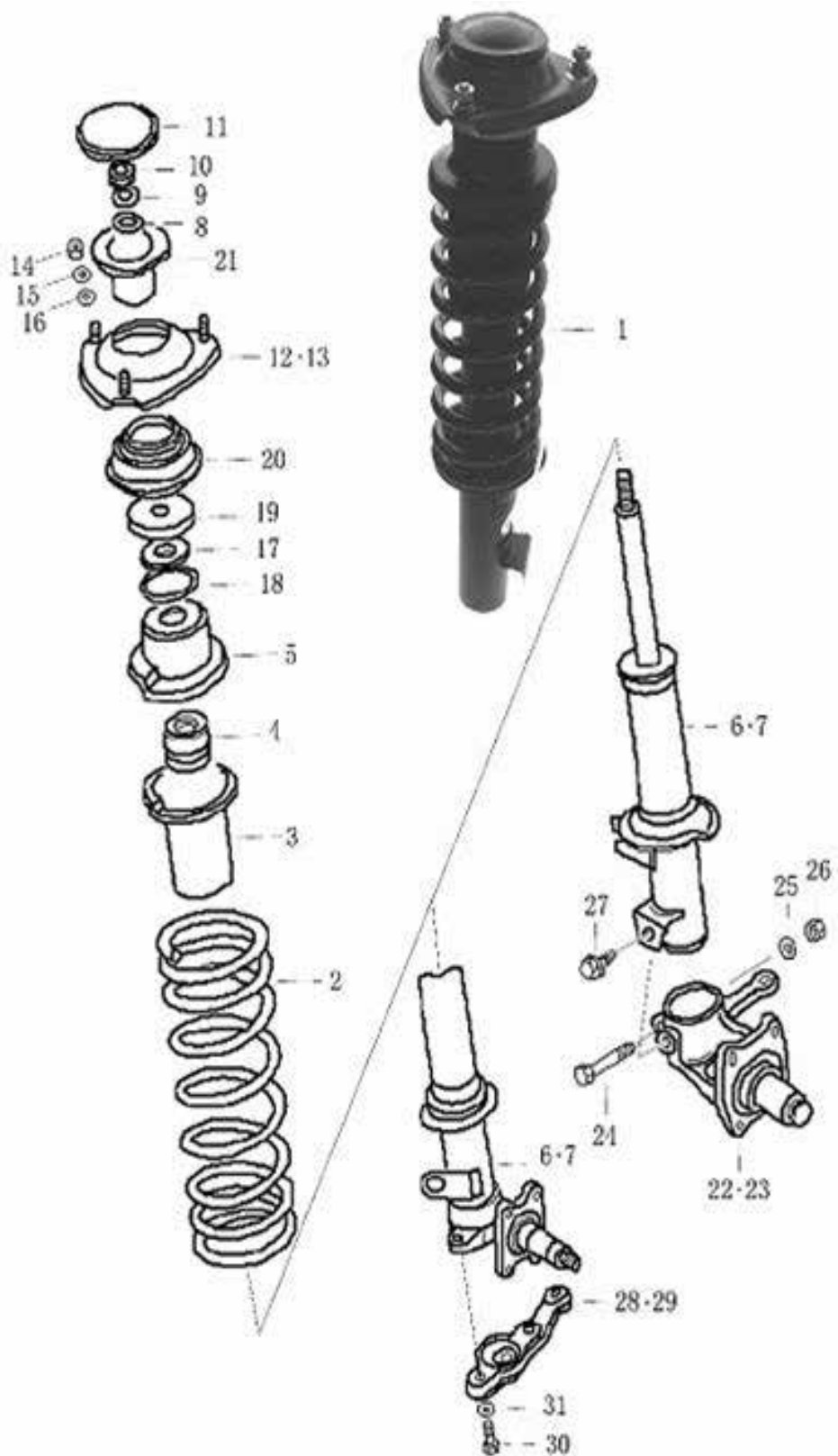
4-10 Rear Suspension



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2LF040	Rear leaf spring assembly	AW6142K-2912010	2
2		Leaf spring lower press plate (passenger)	AW6142K-2912030	1
		Leaf spring lower press plate (driver)	AW6142K-2912031	1
3		Lower pad	AW6142K-2912036	2
4		Upper pad	AW6142K-2912035	2
5				
6		Leaf spring U bolt	AW6142K-2912012	4
7		Gasket Spring M12		10

8		Gasket M12		18
9		Nut M12		10
10		Bolt M12×100		2
11	2SK260	Rear shock absorber assembly	AW6142K-2915100	2
12		Gasket M8		
13		Bush	AW6142K-2915102	4
14		Big gasket M8		
15		Gasket spring M8		
16		Nut M8		
17		Bolt M10×60		2
18		Shackle inner plate	AW6142K-2912015	2
19		Bush	AW6142K-2912020	8
20		Shackle outer plate	AW6142K-2912016	2
21		Gasket spring M10		4
22		Nut M10		4

4-11 Front Suspension



Item No.	STAR EV Part No.	Description	MPN	Qty
1	2SC401	Front shock absorber (passenger)	AW6142K-2911011	1
	2SC400	Front shock absorber (driver)	AW6142K-2911010	1
2		Front coil spring	AW6142K-2911012	2