

MARS

Intercity Bus

Built on VOLVO B8R



Spare Parts Catalog
MARS 12.2m
Sedestal mandal

Paragraph

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CHAPTER 1

PARTS LIST

1.1 SCOPE

This chapter depicts, by the use of isometric drawings, the Project Name System Full Name and all its components. The chapter also includes tables that list each part number (P/N), manufacturer part number (MFG), the part description and the quantity of the part within the higher-level assembly.

1.2 VALID FOR:

VIN number	VIN number
YV3T7U52XNA207685	YV3T7U528NA207751
YV3T7U522NA207681	YV3T7U527NA207742
YV3T7U524NA207682	YV3T7U520NA207713
YV3T7U528NA207684	YV3T7U529NA207743
YV3T7U522NA207647	YV3T7U529NA207726
YV3T7U525NA207657	YV3T7U526NA207764
YV3T7U524NA207634	YV3T7U525NA207741
YV3T7U526NA207635	YV3T7U526NA207750
YV3T7U527NA207658	YV3T7U528NA207765
YV3T7U525NA207691	YV3T7U522NA207759
YV3T7U523NA207690	YV3T7U527NA208387
YV3T7U527NA207689	YV3T7U526NA207764
YV3T7U529NA207760	YV3T7U525NA207741
YV3T7U528NA207720	YV3T7U526NA207750
YV3T7U520NA207761	YV3T7U528NA207765
YV3T7U52XNA207718	YV3T7U522NA207759
YV3T7U522NA207762	*YV3T7U527NA208387
YV3T7U522NA207714	

*VIN number YV3T7U527NA208387 is a demo bus and has different specification from the other busses

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 1			

Bus sections

1 Exterior front



2 Exterior back



3 Exterior left



4 Exterior right



5 Interior – driver area



6 Interior – passenger compartment

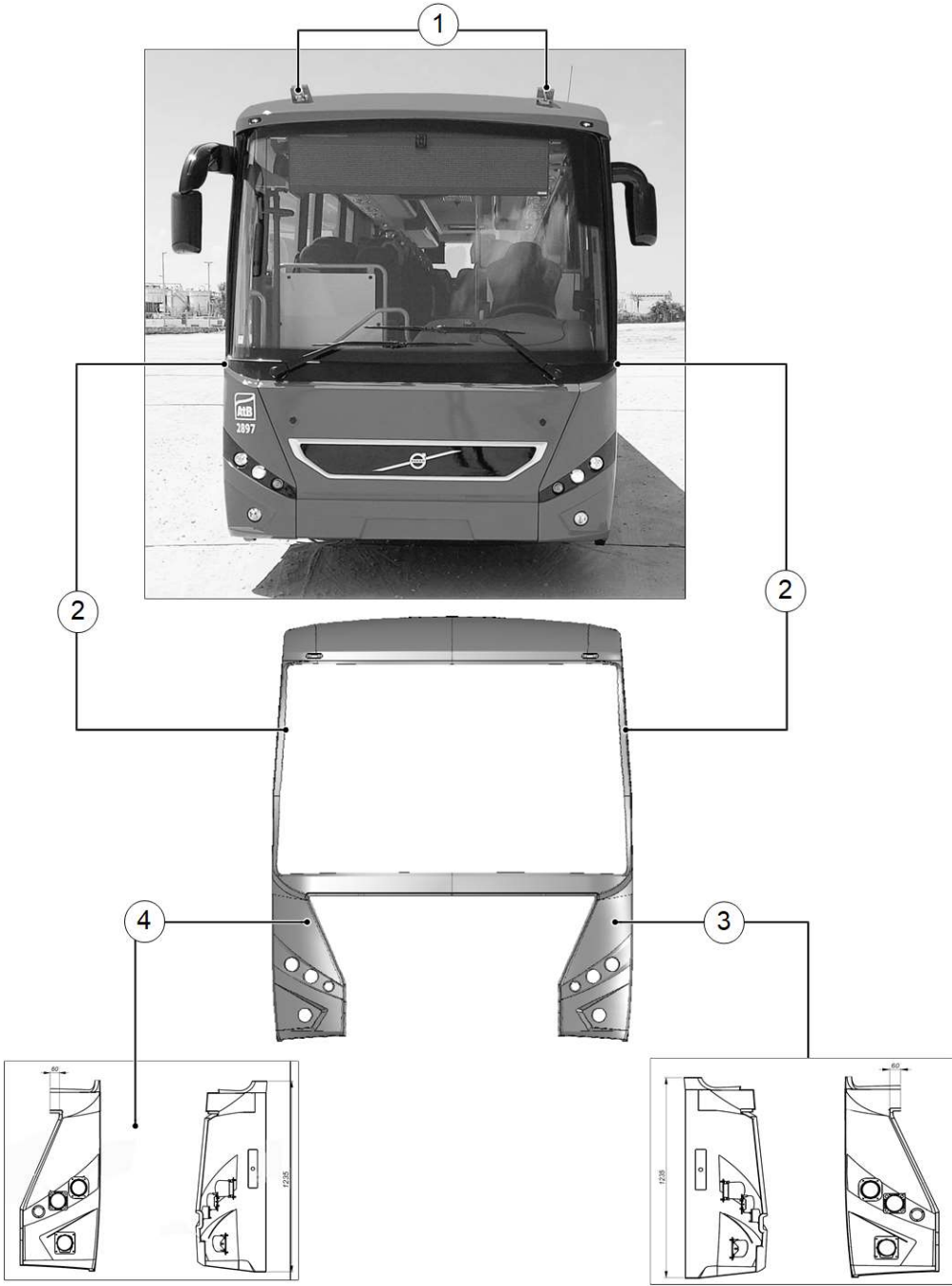


Bus sections

No.	Description	page	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Exterior front	4				
2	Exterior back	20				
3	Exterior left	24				
4	Exterior right	64				
5	Interior – driver area	96				
6	Interior – passengers compartment	140				

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Front			
Draw. No. 2			

Windscreen cover parts

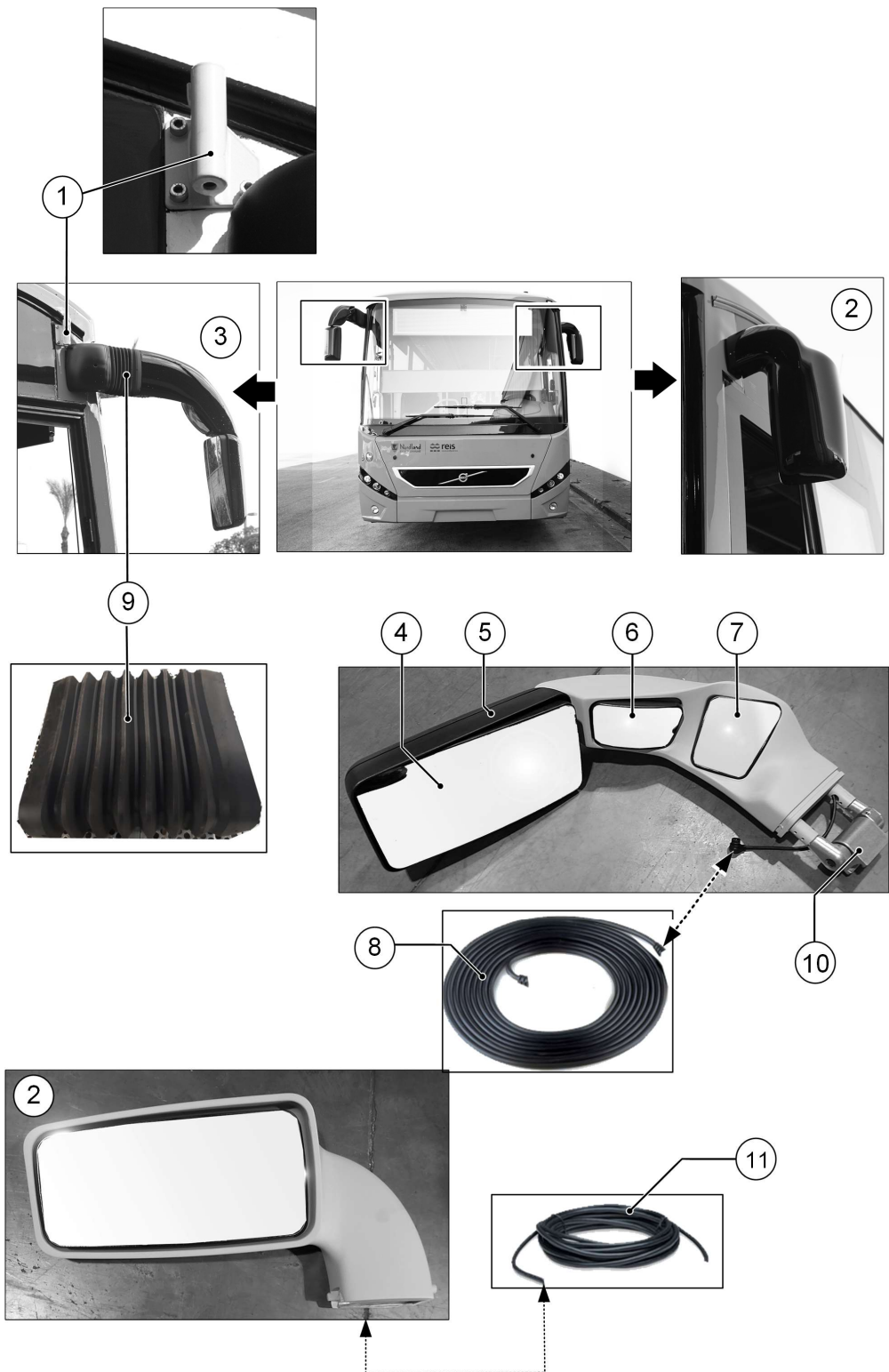


Windscreen cover parts

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	*Option - Projector base	V3492/11/911			2
2	Windscreen fiberglass cover	V7058/95/9575			1
3	Fiber, front left, Mars B8R, Norway	53-000000-000001			1
4	Fiber, front right Mars B8R, Norway	53-000000-000002			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 3			

Exterior mirrors + Flag support



Exterior mirrors + Flag supportt

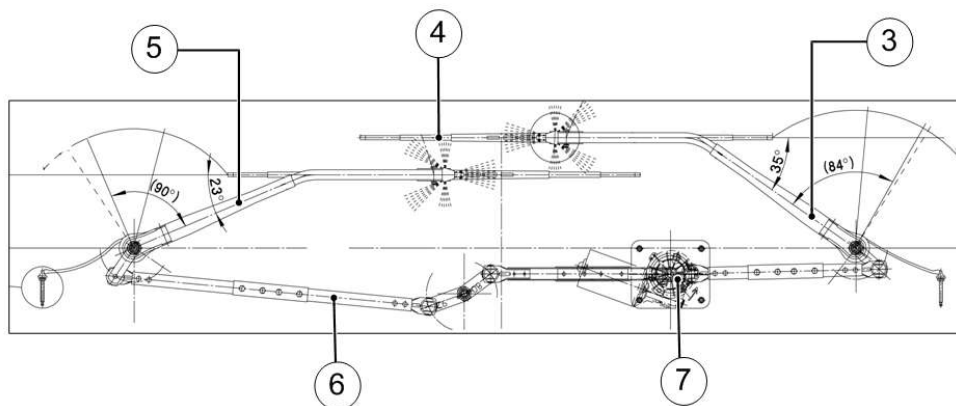
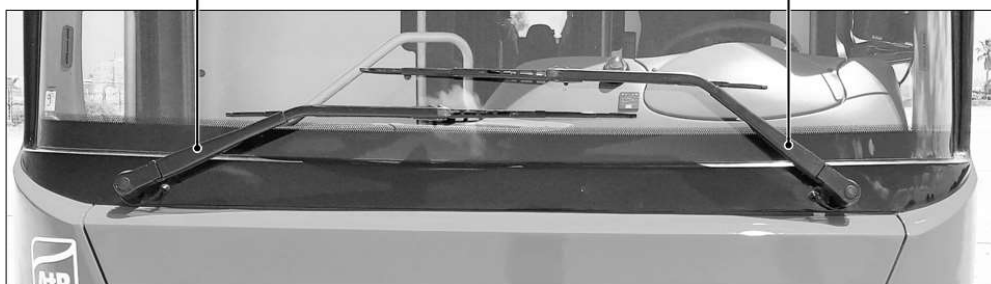
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	KIT flag supportt	V3492/590			1
2	Mirror, EelectricalL & Heated, Left 273	53-707213-730401	MEKRA	59.2730.401	1
3	Complete mirror + Arm, 271 RH, Mekra	53-707213-710402	MEKRA	59.2710.402	1
4	Elec. heated mirror, glass, Mekra 731326	53-707213-731326	MEKRA	51.3731.326	1
5	Plastic cover for 271 Mekra mirror	53-707213-010524	MEKRA	11.3730.210	1
6	Glass, small mirror 711114 Mekra	53-707213-711114	MEKRA	15.2711.114	1
7	Glass, intermedia mirror 711114 Mekra	53-707213-712114	MEKRA	15.2712.114	1
8	Mounting wedge + 5M cable RH	53-707213-480217	MEKRA	20.2480.217	1
9	Mekra Rubber Cover, Mirrors,20271 LH/RH	53-707213-710200	MEKRA	20.2710.200	1
10	Adapter, Right Mirror, MERKA 2027101	53-707213-710121	MEKRA	20.2710.121	1
11	Mounting Wedge, 271 + 2.5M Control Cable	53-707213-710630	MEKRA	20.2710.630	1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 4			

Windscreen wipers



1

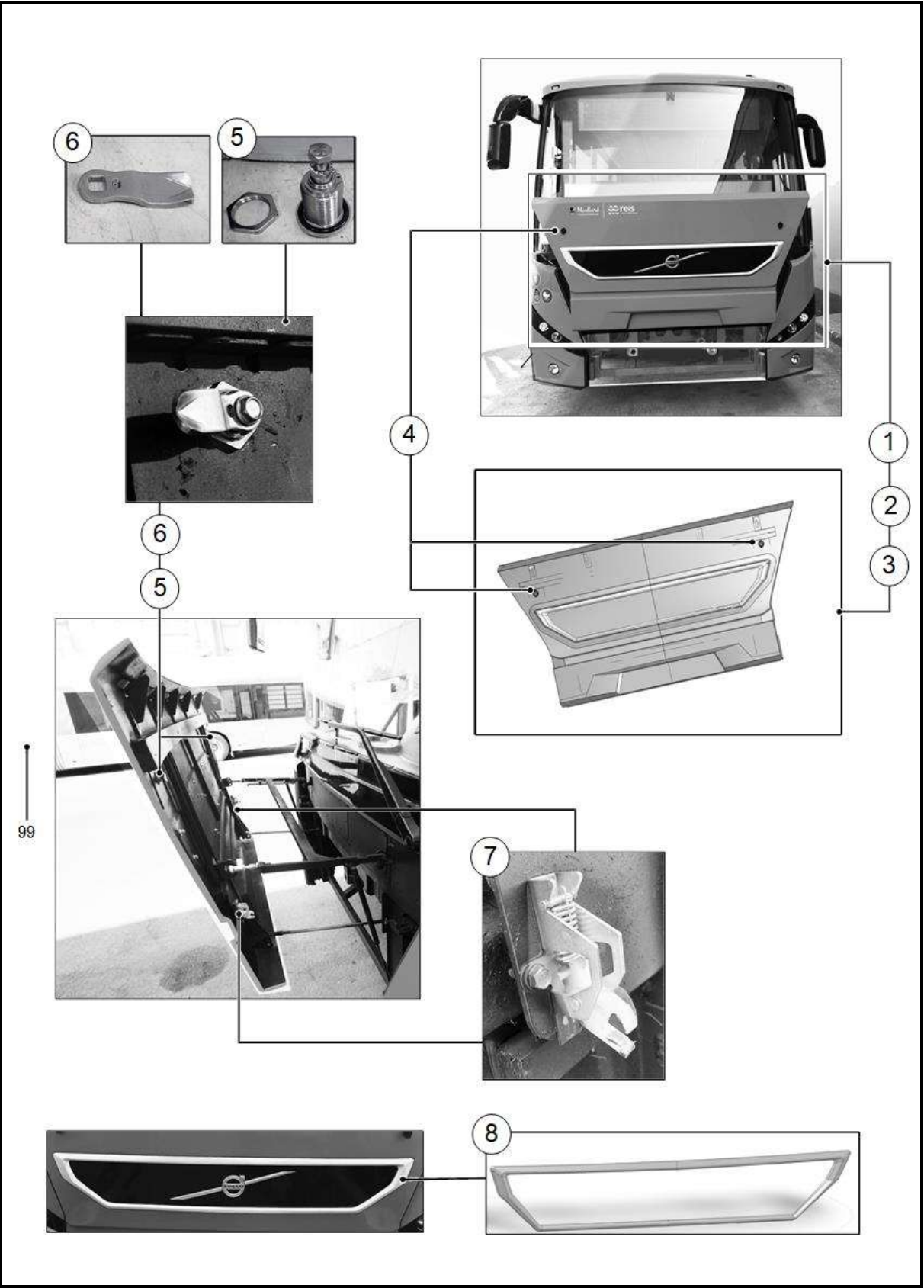


Windscreen wipers

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Front wipers set: Doga parts + hoses + T split	V7076/82/916			1
2	Complete wiper set, Mars, Doga	48-713484-873004	DOGA	249-2216-30-04	1
3	Wiper arm, right, Doga 120-3217-00-14	48-713481-020014	DOGA	120-6702-00-14	1
4	Wiper blade Doga 136-2010-00-04	48-713481-100004	DOGA	1362010GA04	2
5	Wiper arm, left, Doga 120-3248-00-D4	48-713481-130004	DOGA	120-6713-00-D4	1
6	Linkage Assem. wiper Doga 140-2374-00-00	48-713484-400000	DOGA	140-2320-00-00	1
7	Wiper motor type 259 DOGA 249-0003-30-00	48-713481-283000	DOGA	259-2728-30-00	1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 5			

Front service compartment

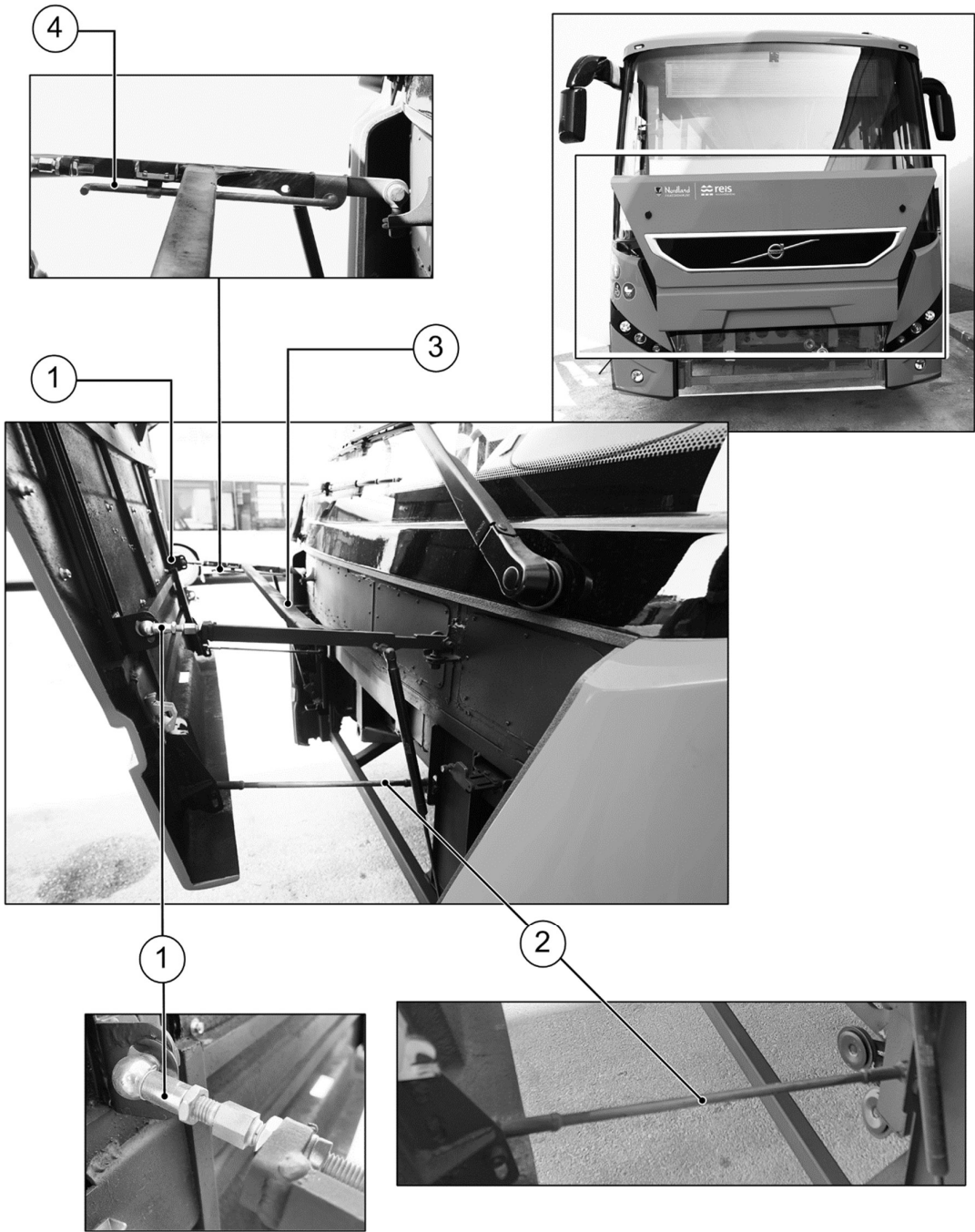


Front service compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Complete front service hatch	V3492/20/946			1
2	Glued Mars Volvo front bumper hatch	V7058/96/9022			1
3	Front service compartment door-fiberglass	7058/96/020			1
4	Grey dust caps	59-025253-100097			2
5	Emka compression lock AISI316	59-025253-100755	EMKA	1000-U755-01	2
6	Emka cam with latch	51-025000-100225	EMKA	AISI316 H-3	2
7	Spring lock for service door	59-025170-600568			2
8	Mars Volvo front hatch decoration frame	V7058/96/9021			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 6			

Front service compartment

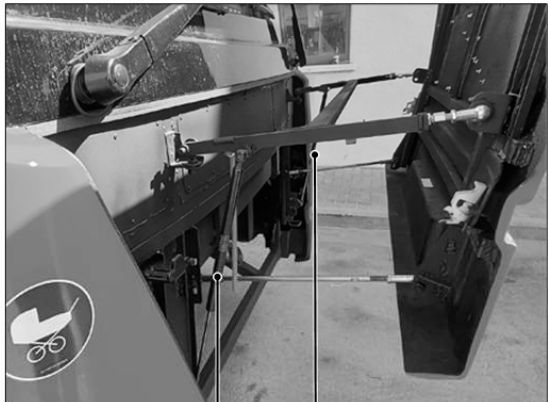


Front service compartment

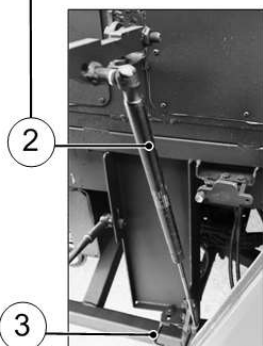
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Adjustable hinge	30-311900-030916			2
2	Adjustable rod	50-014170-100031			2
3	Front lifting arm	V3424/20/994			1
4	Door safety rod	V7020/82/962			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 7			

Front service compartment

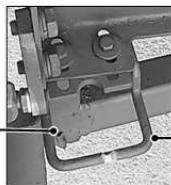


2



2

3



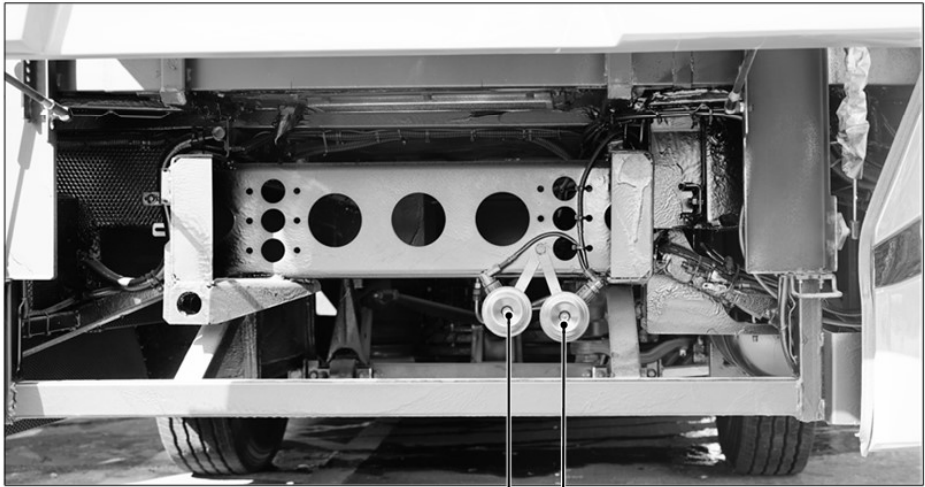
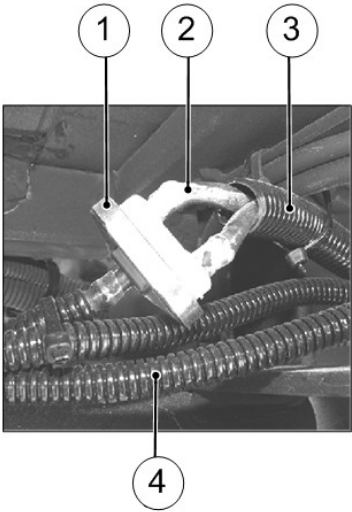
3

Front service compartment

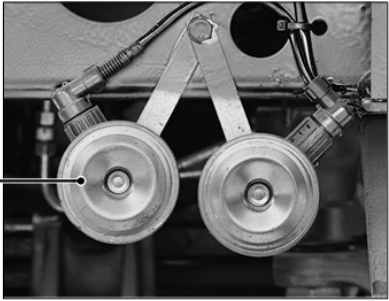
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Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 8			

Front service compartment



5

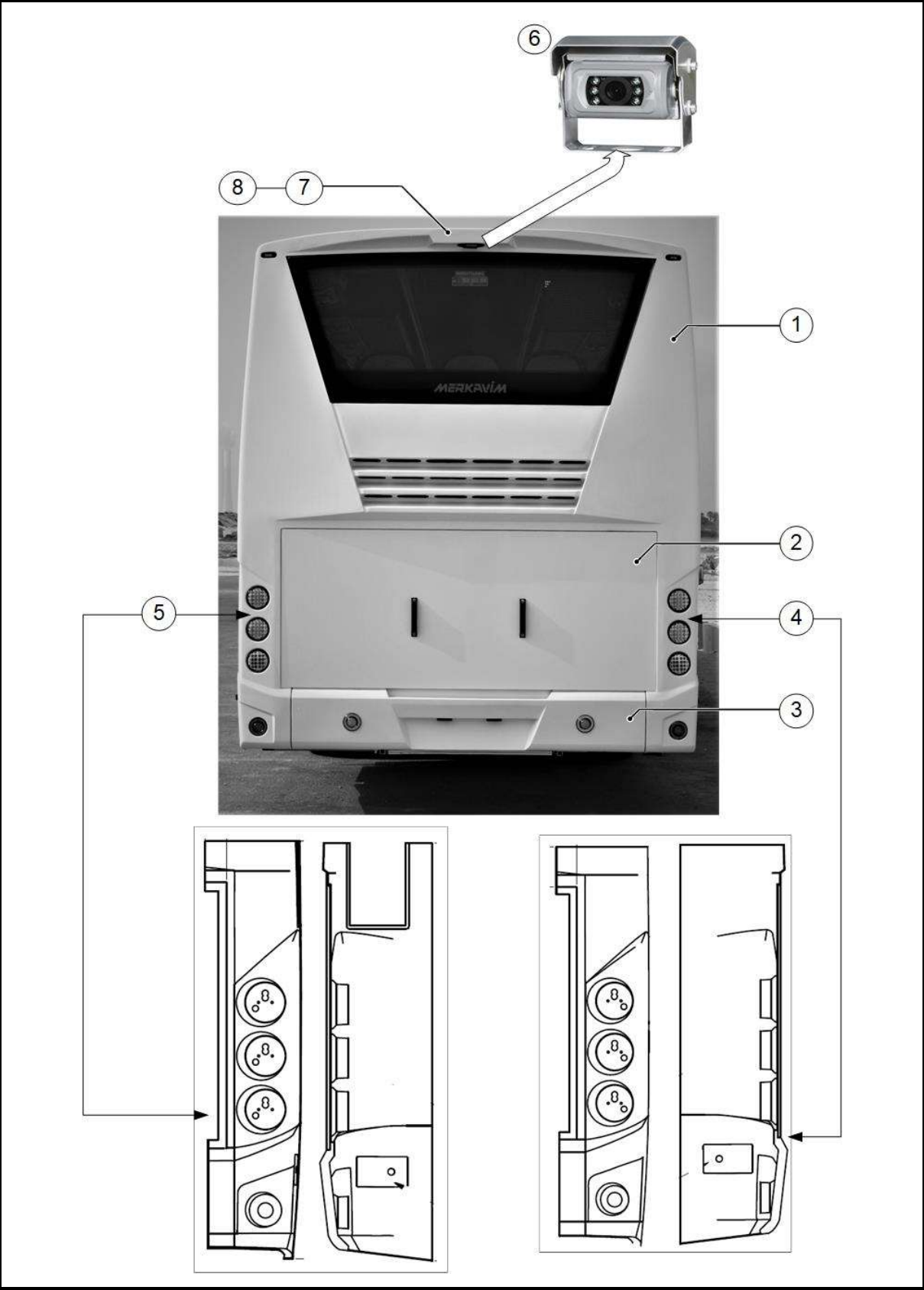


Front service compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	T water connector	48-722201-000001	VOLVO		1
2	Wipper water pipe 4/6	63-218741-000416			
3	Threads pipe 10mm	20-001324-010000			
4	Threads pipe 7mm	20-001324-075000			
5	Electrical horn				2

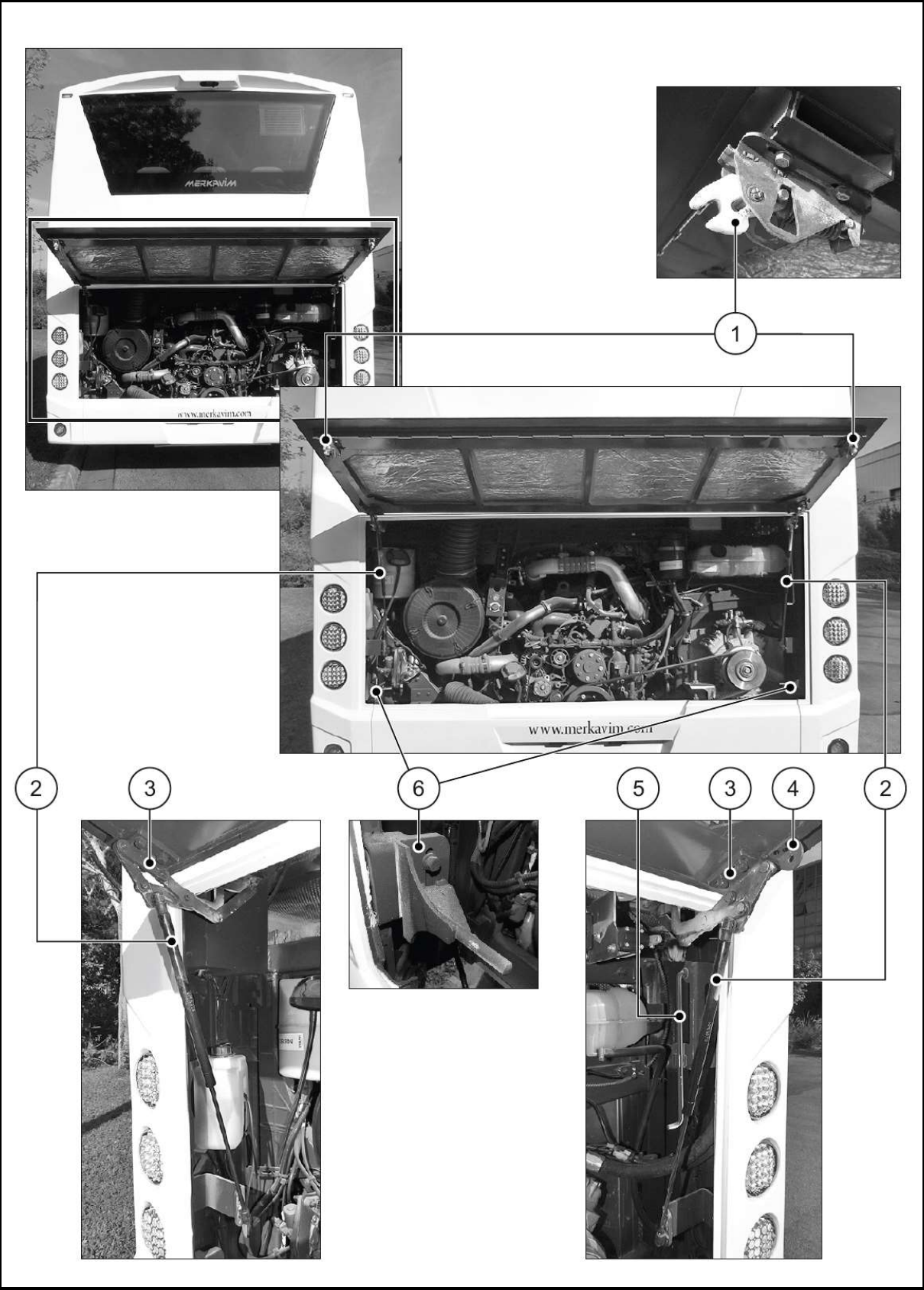
Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Back			
Draw. No. 9			

Rear wall



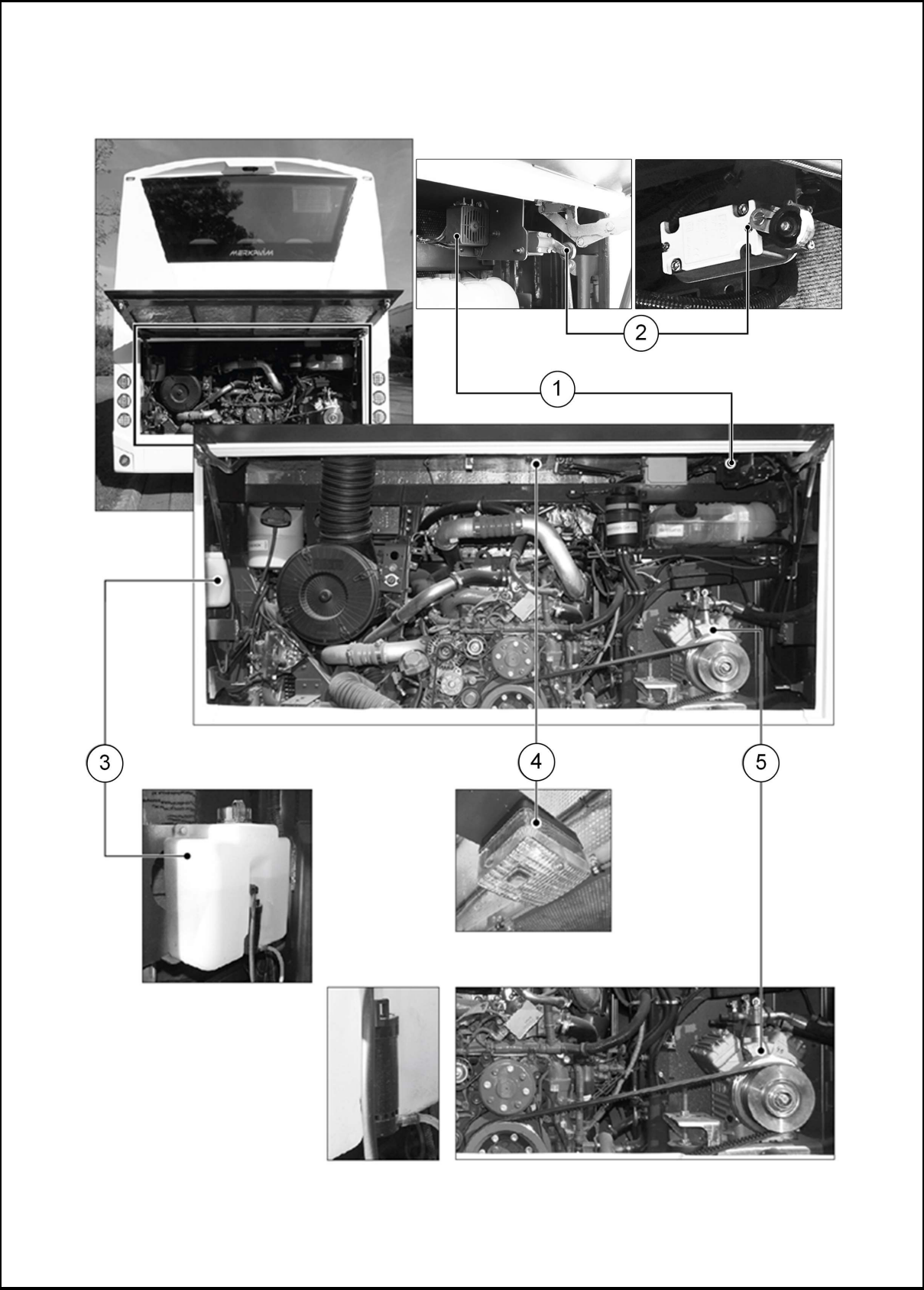
Rear wall

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Rear fiberglass wall	V7058/95/9577			1
2	complete rear engine door with bike rack	V3492/20/920			1
2A	*option - Complete rear engine door	V3501/20/925			1
3	Rear bumper with extra reverse light preperation	V7058/95/9573			1
3A	*option - Rear bumper Mars Norway	V7058/95/9578			1
4	Rear bottom right corner	53-000000-000003			1
5	Rear bottom left corner	53-000000-000004			1
6	Reverse camera	20-000000-002110	Skantech	HDCS.2110 BH	1
7	Reverse camera Skantech HDCS.2110BH base	V3492/76/930			1
8	Head lamp Double water sprinkler	48-722201-507339	Doga	100-5703- 39-00	1



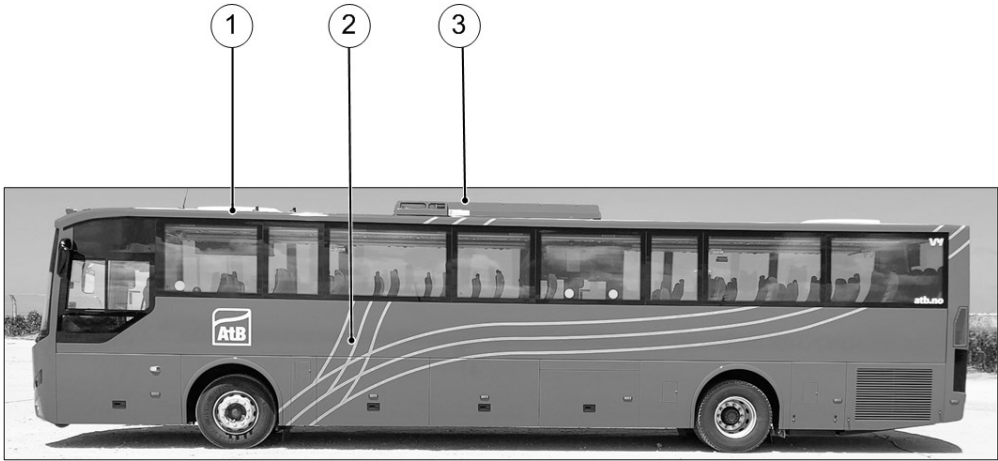
Rear engine compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Rear engine door spring lock	59-025490-612931	PRIMA	P271-62238	2
2	Gas spring, Lift-O-Mat, 600N, L-585, 083933	40-407448-083933	Stabilus	083933 L585 600N	2
3	Scissor hinge59037180003312	V7020/82/977			2
4	Safety rod base	3384/20/101			1
5	Safety rod	V7020/82/962			1
6	Pin for rear door lock	V3391/08/937			2



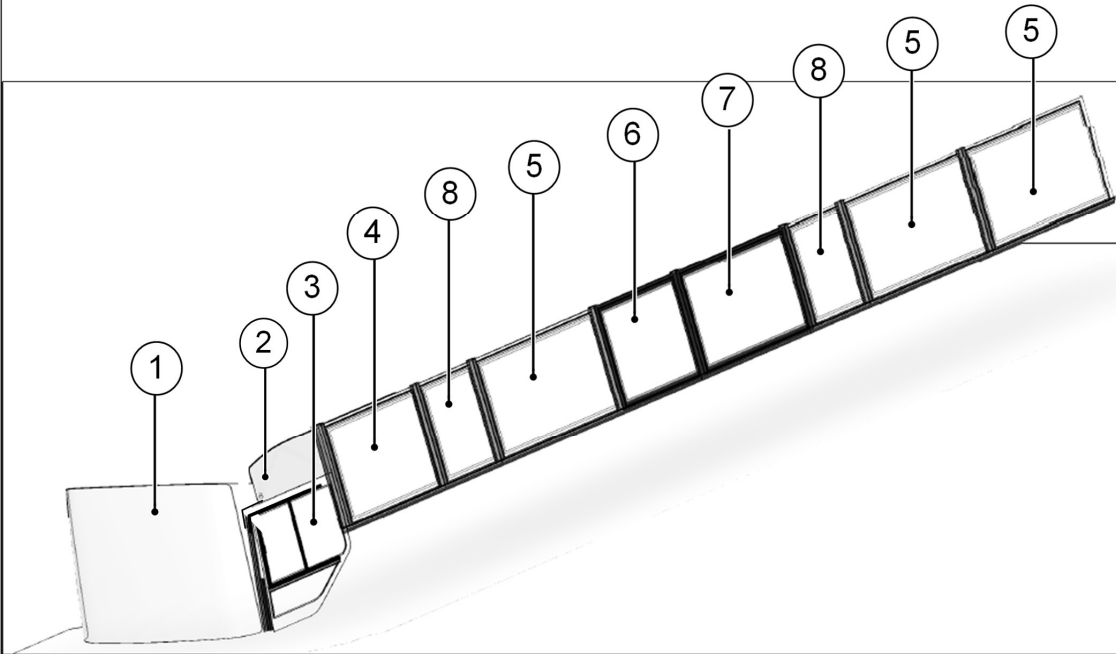
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Reversing and warning alarm 12-24v	20-258837-200520		YAK16	1
2	Pulley switch	20-257194-113311			1
3	Water tank 3L (include water pump)	48-711106-102430			1
4	Service light with switch	20-000280-601212	HELLA	2JB99601212	1
5	AC compressor		Sutrak	FKX40/470K	1
6	AC Belt 2XPB2150	57-726507-202150	Aviram	XPB2150	1

Exterior	 MARS INTERCITY BUS VOLVO B8R chassis MERKAVIM Merkavim Transportation Technologies Ltd.	Outer skin
Left		
Draw. No. 12		



Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 13			

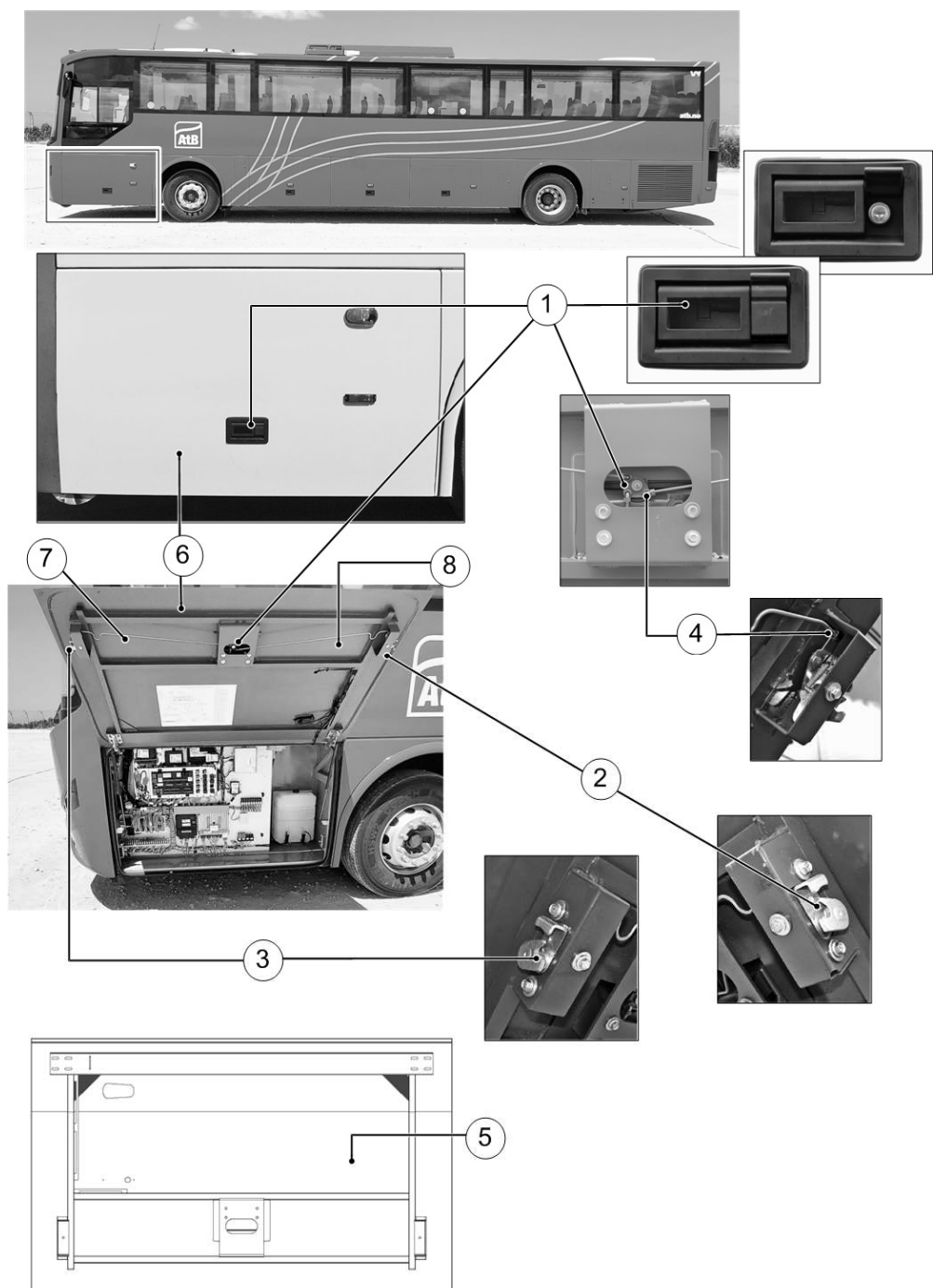
Driver side and front windows



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Front window	7019/82/150			1
2	5mm temper grey glass+blk prt 1042x452	7019/82/153			1
3	Drivers window double glassing	49-706000-249820	Ototrim		1
4	Double glass side window	49-706411-012401	Pilkington	1386X1045	1
5	Double glass side window	49-706411-012403	Pilkington	1725X1045	3
6	Double glass side window	49-706411-012400	Pilkington	1155X1045	1
7	Double glass side window	49-706411-012402	Pilkington	1540X1045	1
8	Double glass side window	49-706411-012399	Pilkington	796X1045	1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 14			

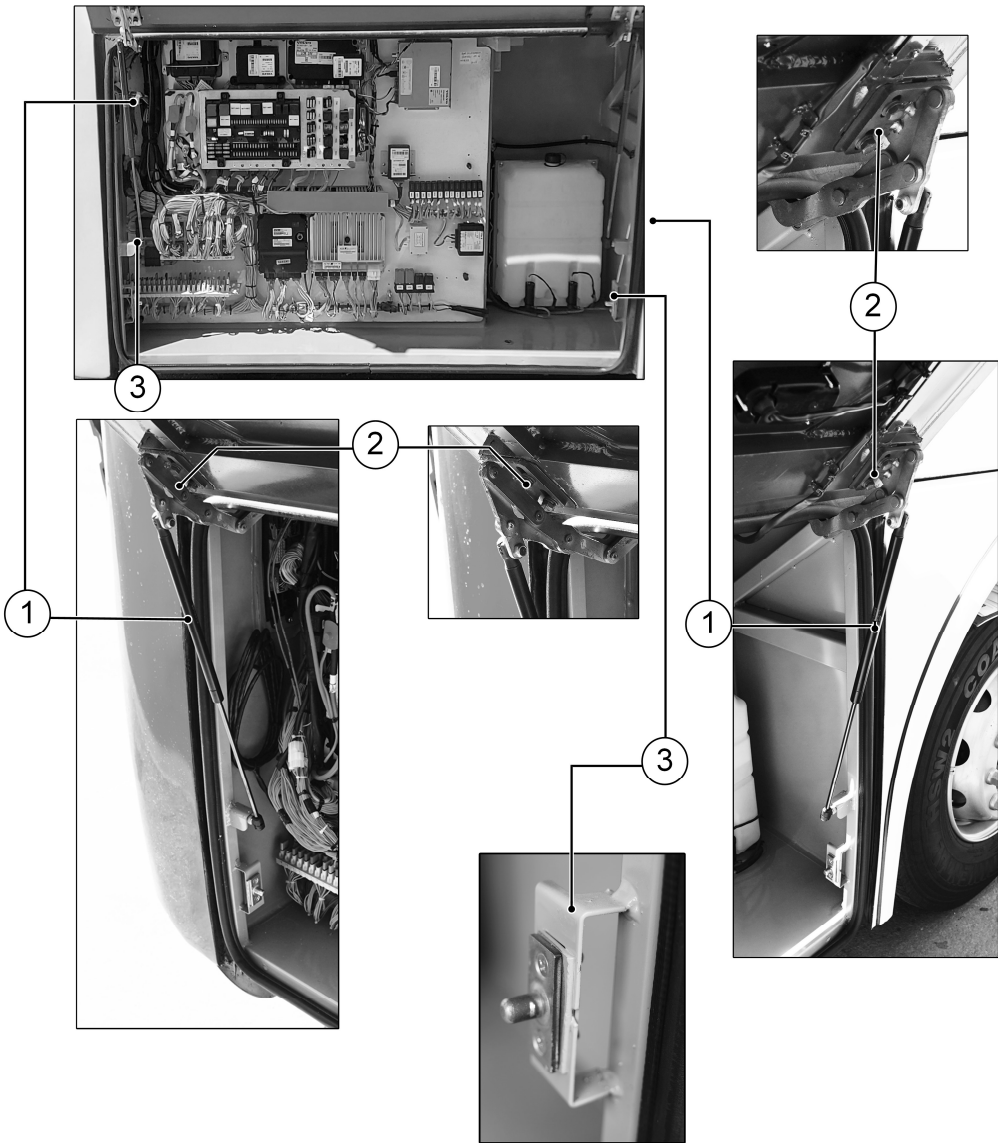
Main electrical box



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Door lock handle	58-772412-166119	PRIMA	P141J-66119B	1
2	Left spring lock	59-025253-001070	PRIMA	P70-51700	1
3	Right spring lock	59-025253-000070	PRIMA	P70-66940	1
4	Plastic connector	59-025253-000094			5
5	Main electrical box glued door	V3492/20/918			1
6	Complete electrical box door	V3492/20/917			1
7	Right actuator rod	3386/20/043			1
8	Left actuator rod	3386/20/042			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 15			

Main Electrical Box



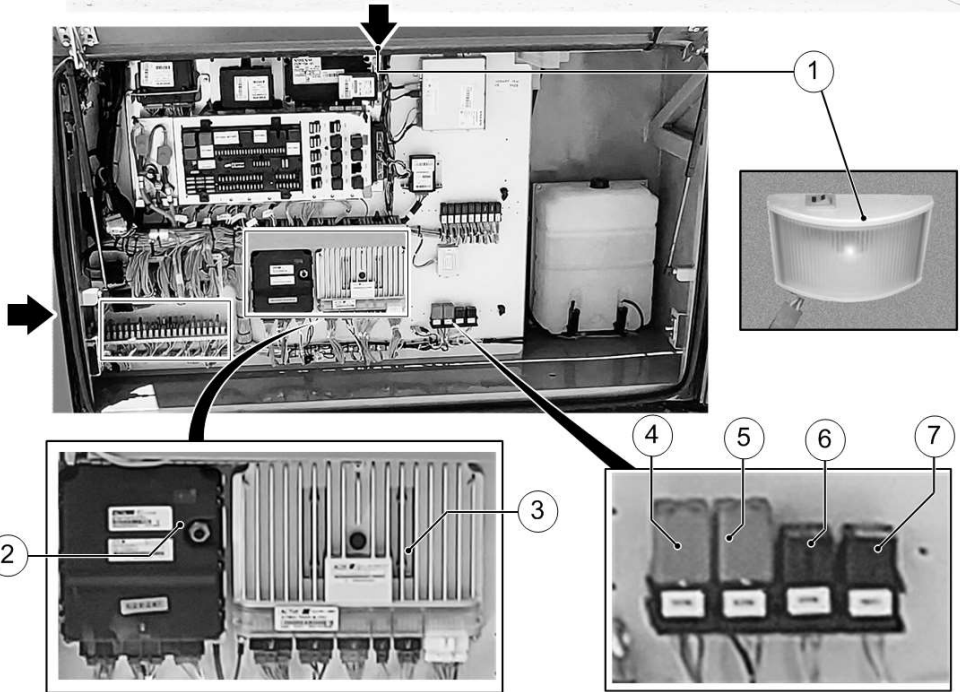
Main Electrical Box

Draw. No. 15

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	LIFT-O-MAT 500N L-585	40-407448-083925	Stabilus	083925 L585 500N	2
2	Scissor hinge59037180003312	V7020/82/977			2
3	Door lock pin	V3391/08/937			2

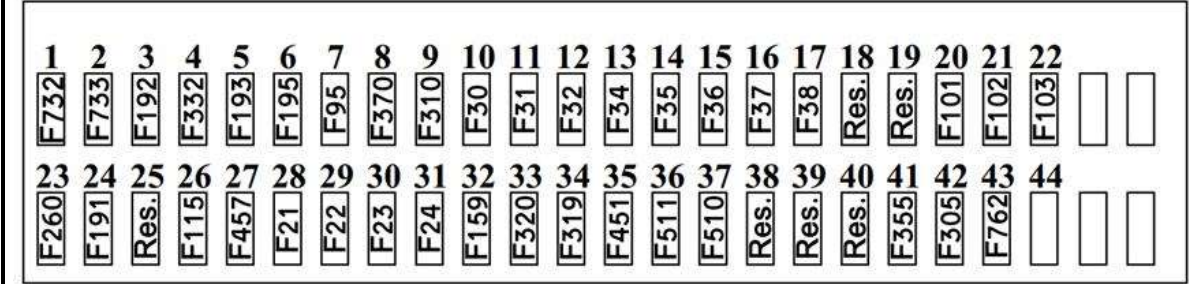
Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 16			

Main Electrical Box



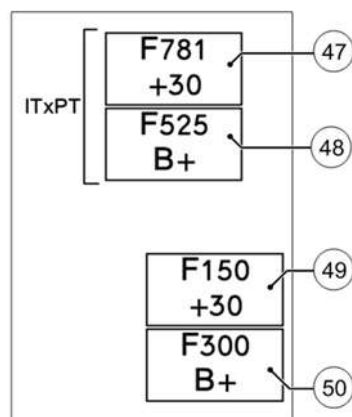
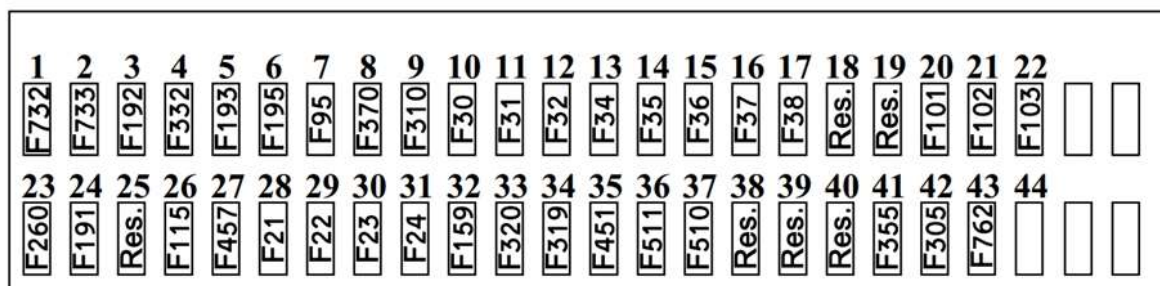
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	LED light with switch	20-254000-000061	ERA	012-HLC21H1.LC	1
2	Main MASTER 100A	20-265000-966880			1
3	Slave POWER 66	20-265000-966221			1
4	KT30 Timer emerg. Lighting	20-000003-140530			1
5	KT20 Timer IT systems	20-000003-540520			1
6	D735 Diodes preheat	20-081259-270104			1
7	D217 Diodes door brake	20-081259-270005			1

*** May be semi-automatic or full automatic fuse



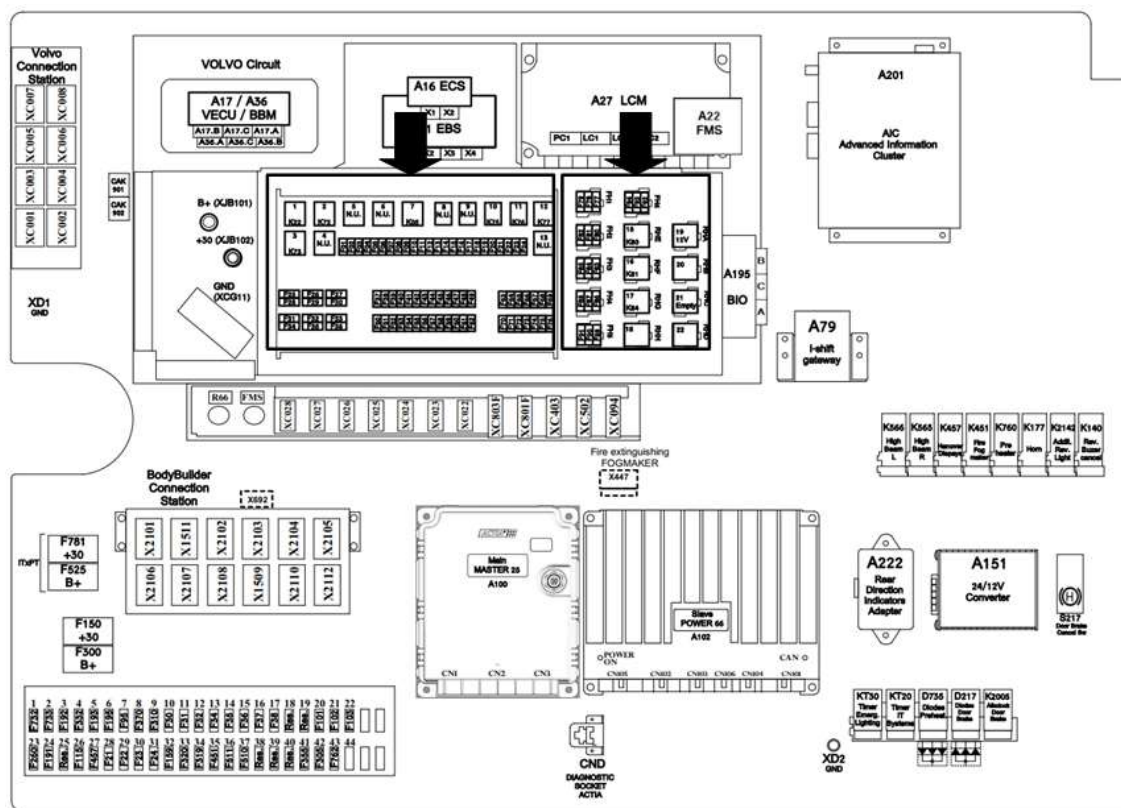
No.	Fuse Nimber	Amper	System		
1	F732	25A KI.30	Preheater & Valeo & Water pump		
2	F733	25A KI.30	Preheater & Valeo & Water pump		
3	F192	20A KI.30	Frontbox blower		
4	F332	8A KI.30	APC Matrix		
5	F193	2A KI.30	Heating control		
6	F195	3A KI.30	Air conditioning control		
7	F95	10A KI.30	Radio & Clock		
8	F370	3A KI.30	Rear lights indicator adapter		
9	F310	6A KI.30	Service lighting		
10	F30	3A KI.30	ActiMUX MASTER25(A100)		
11	F31	5A KI.30	ActiMUX MASTER25(A100)		
12	F32	15A KI.30	ActiMUX POWER66 (A102)		
13	F34	20A KI.30	ActiMUX POWER33 AirCanal(A101)		
14	F35	6A KI.30	ActiMUX POWER33 AirCanal(A101)		
15	F36	8A KI.30	ActiMUX POWER33 Luggage (A103)		
16	F37	15A KI.30	ActiMUX POWER33 Luggage (A103)		
17	F38	3A KI.30	Actia switch pack		
18		KI.30	Reserve		
19		KI.30	Reserve		
20	F101	5A B+ (I-Start)	Door's pressure sensors		
21	F102	5A B+ (I-Start)	Imer emergency circuit		
22	F103	10A B+ (I-Start)	Emergency circuit		
23	F260	10A KI.15	Driver seat's heating		
24	F191	2A KI.15	Heating control		
25		KI.15	Reserve		
26	F115	10A KI.15	Cameras 7"display		

** May be semi-automatic or full automatic fuse



No.	Fuse Nimber	Amper	System		
27	F457	10A Kl.15	Hanover destination signs		
28	F21	10A Kl.15	ActiMUX POWER66 (A102)		
29	F22	10A Kl.15	ActiMUX POWER66 (A102)		
30	F23	15A Kl.15	ActiMUX POWER33 AirCanal(A101)		
31	F24	20A Kl.15	ActiMUX POWER33 Luggage (A103)		
32	F159	10A Kl.15	Radio & Clock		
33	F320	10A Kl.15	Converter 24V/12V		
34	F319	6A Kl.15	Electrical mirrors		
35	F451	5A Kl.15	Fire extinguishing FOGMAKER		
36	F511	6A Kl.15	USB Doors side		
37	F510	6A Kl.15	USB Driver side		
38		Kl.15	Reserve		
39		Kl.15	Reserve		
40		Kl.15	Reserve		
41	F355	10A Kl.15	Ticketing machine		
42	F305	10A Kl.15	Ticketing machine		
43	F762	25A Kl.15	Pre-heatrer fuel filter		
44					

*** May be semi-automatic or full automatic fuse



1-24

F01 F02 F03 F04 F05 F06 F07 F08 F09 F10 F11 F12 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23 F24

25-36

F25 F26 F27
F28 F29 F30
F31 F32 F33
F34 F35 F36

37-62

F37 F38 F39 F40 F41 F42 F43 F44 F45 F46 F47 F48 F49
F50 F51 F52 F53 F54 F55 F56 F57 F58 F59 F60 F61 F62

63-76

F63 F64 F65 F66 F67 F68 F69
F70 F71 F72 F73 F74 F75 F76

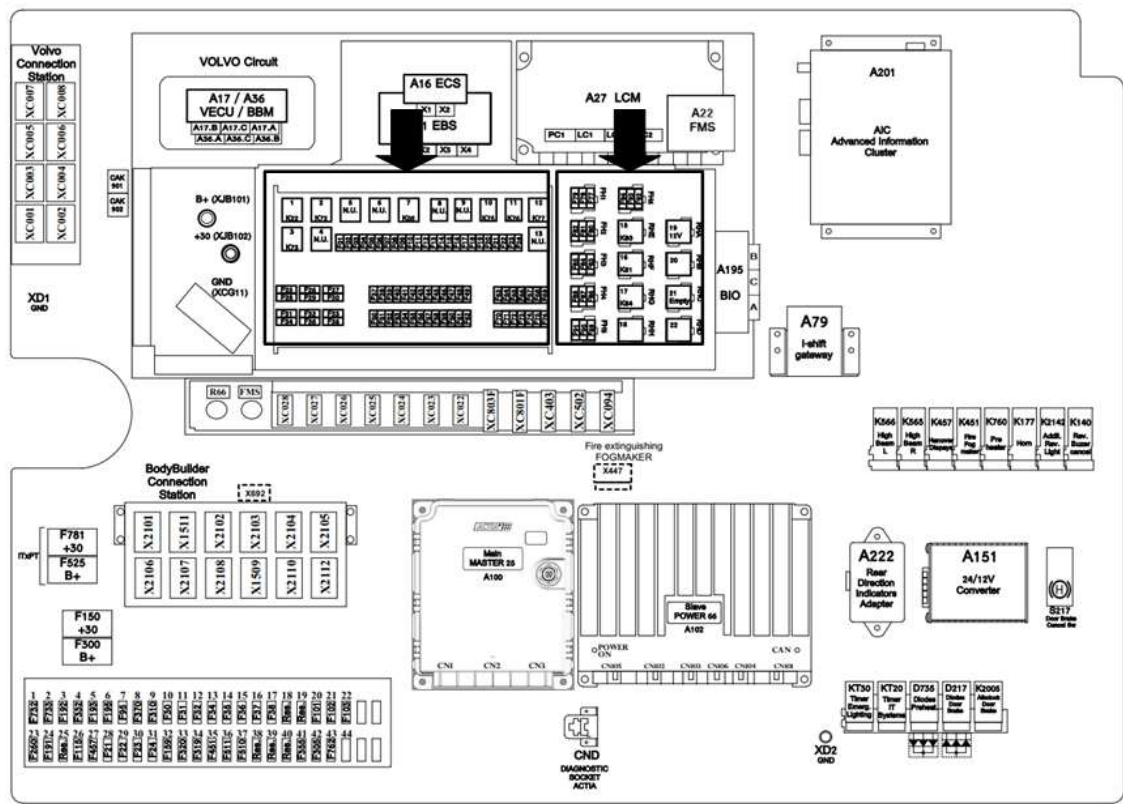
77-94

FH1 F76 F77 F78 F79
FH2 F80 F81 F82
FH3 F83 F84 F85
FH4 F86 F87 F88
FH5 F89 F90 F91

FH6 F92 F93 F94

No.	Fuse Nimer	Amper	System		
1	F01	5A (+30)	APBE (Automatic Park Brake Engine)		
2	F02	5A (+30)	A03 Instrument cluster & OBD		
3	F03	---	---		
4	F04	----	---		
5	F05	---	----		
6	F06	5A (K72)	Alternator & engine components		
7	F07	5A (K72)	Control unit, VECU		
8	F08	5A (DR)	Instrument cluster & Tachograph & OBD		
9	F09	---	----		
10	F10	5A (DR)	Steering wheel		
11	F11	----	----		
12	F12	---	---		
13	F13	15A (+15)	Windscreen wiper & Windscreen washer pump		
14	F14	10A (+15)	Option		
15	F15	----	----		
16	F16	----	----		
17	F17	----	----		
18	F18	----	----		
19	F19	----	----		
20	F20	----	----		
21	F21	----	----		
22	F22	----	----		
23	F23	5A (+30)	A16 ECS (Electronic controlled air suspension)		
24	F24	----	----		
25	F25	----	----		

*** May be semi-automatic or full automatic fuse



1-24

F01 F02 F03 F04 F05 F06 F07 F08 F09 F10 F11 F12 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23 F24

25-36

F25 F26 F27
F28 F29 F30
F31 F32 F33
F34 F35 F36

37-62

F37 F38 F39 F40 F41 F42 F43 F44 F45 F46 F47 F48 F49
F50 F51 F52 F53 F54 F55 F56 F57 F58 F59 F60 F61 F62

63-76

F63 F64 F65 F66 F67 F68 F69
F70 F71 F72 F73 F74 F75 F76

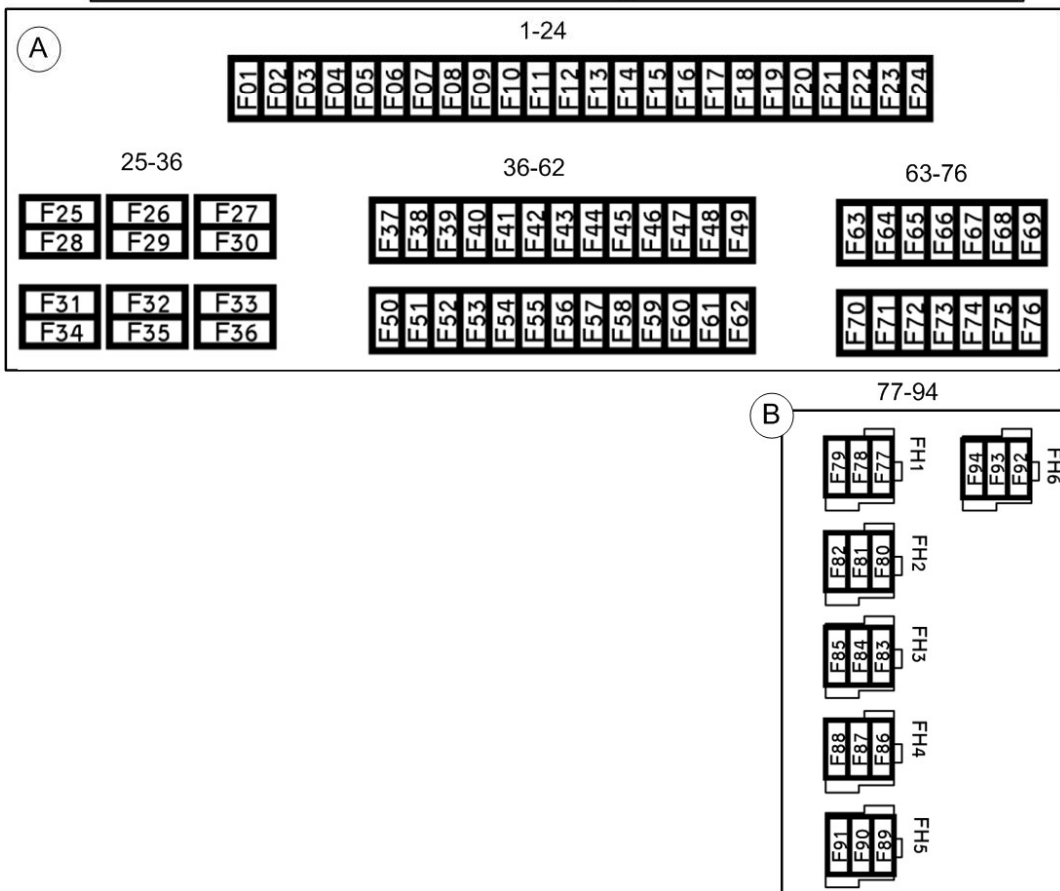
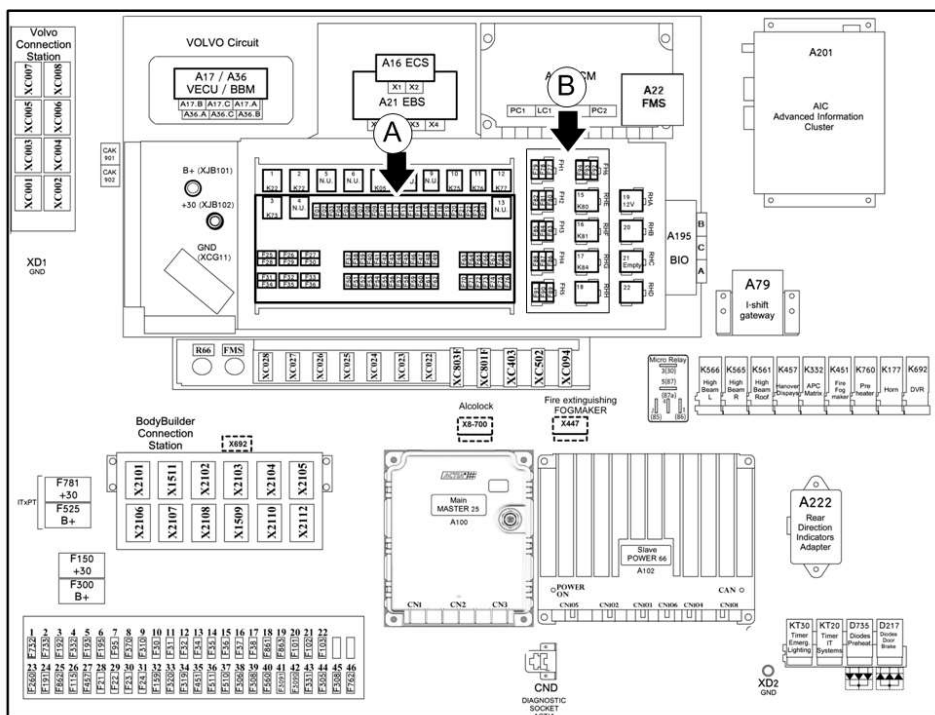
77-94

FH1 F79 F77
FH2 F82 F81 F80
FH3 F85 F84 F83
FH4 F88 F87 F86
FH5 F91 F90 F89
FH6 F94 F93 F92

No.	Fuse Nimber	Amper	System		
26	F26	----	----		
27	F27	----	----		
28	F28	20A (+30)	A21, EBS (Electronic brake system)		
29	F29	----	----		
30	F30	20A (+15)	Ignition +15		
31	F31	----	----		
32	F32	----	----		
33	F33	----	----		
34	F34	----	----		
35	F35	----	----		
36	F36	15A(+15)	Day running light		
37	F37	----	----		
38	F38	5A (+15)	A27 LCM (Light control module)		
39	F39	5A (+15)	A22 FMS (Fleet management system)		
40	F40	----	----		
41	F41	----	----		
42	F42	----	----		
43	F43	5A (K74)	Fuel Cut Off		
44	F44	----	----		
45	F45	----	----		
46	F46	10A (+30)	Horn		
47	F47	----	----		
48	F48	5A (DR)	A21, EBS (Electronic brake system)		
49	F49	5A (DR)	A16 ECS (Electronic controlled air suspension)		
50	F50	----	----		

*** May be semi-automatic or full automatic fuse

Volvo Fuses



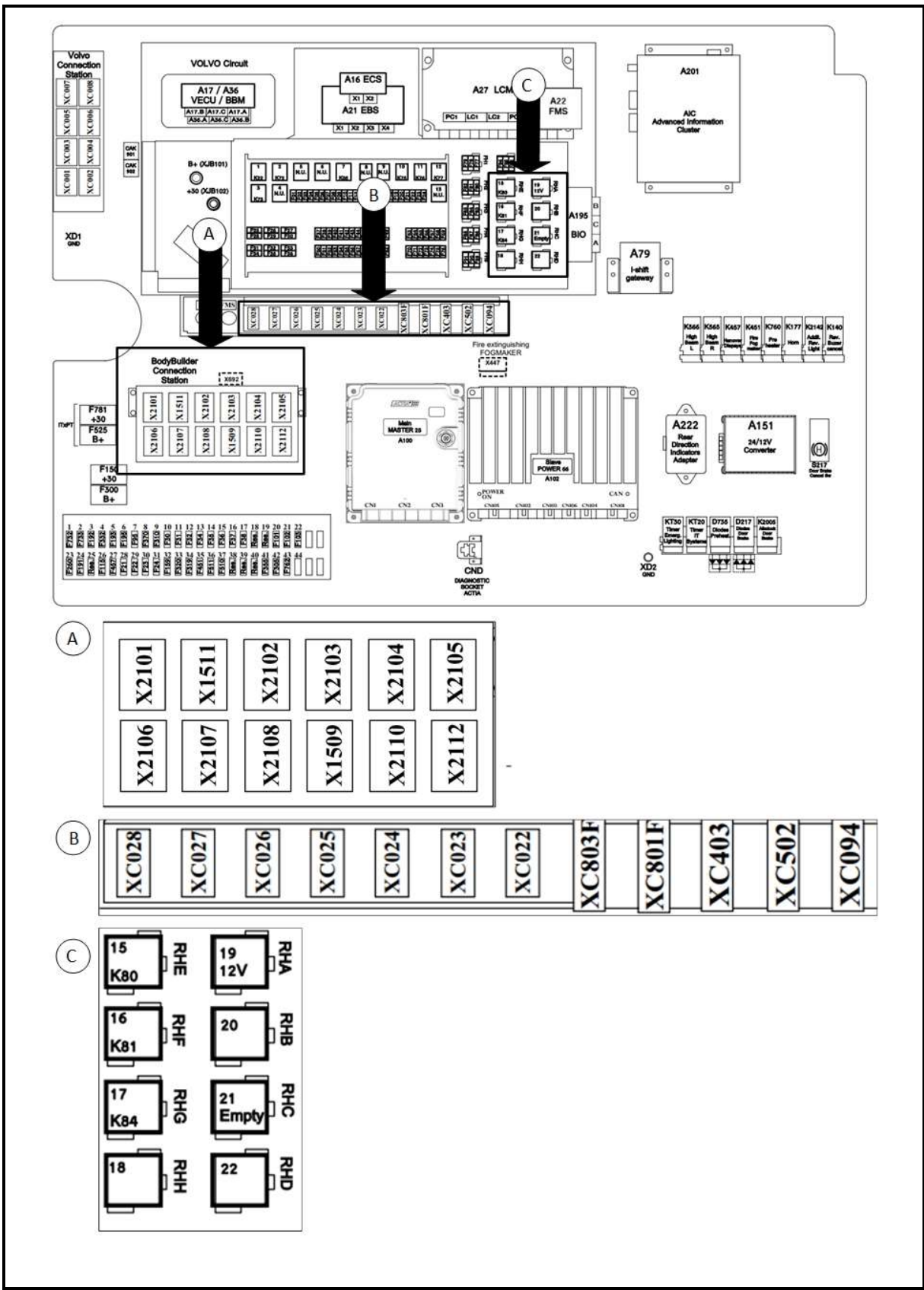
No.	Fuse Nimber	Amper	System		
51	F51	5A (+30)	A36 BBM (Body Builder Module)		
52	F52	10A (+30)	Option		
53	F53	10A (+30)	Gearbox, TECU, ZF Ecolife		
54	F54	10A (+30)	A22 FMS (Fleet Management System)		
55	F55	5A (DR)	A195 BIO Bus I/O ECU		
56		-----	-----		
57	F57	5A (DR)	Gearbox, TECU, ZF Ecolife		
58	F58	-----	-----		
59	F59	5A (DR)	Dashboard switch feed		
60	F60	5A (DR)	Option		
61	F61	-----	-----		
62	F62	10A (DR)	A174 ACM (Aftertreatment Control Module)		
63	F63	10A (+30)	A195 BIO Bus I/O ECU		
64	F64	-----	-----		
65	F65	-----	-----		
66	F66	-----	-----		
67	F67	-----	-----		
68	F68	5A (+30)	Ignition key		
69	F69	-----	-----		
70	F70	-----	-----		
71	F71	-----	-----		
72	F72	-----	-----		
73	F73	-----	-----		
74	F74	-----	-----		
75	F75	-----	-----		

*** May be semi-automatic or full automatic fuse

Fuses – Volvo fuses

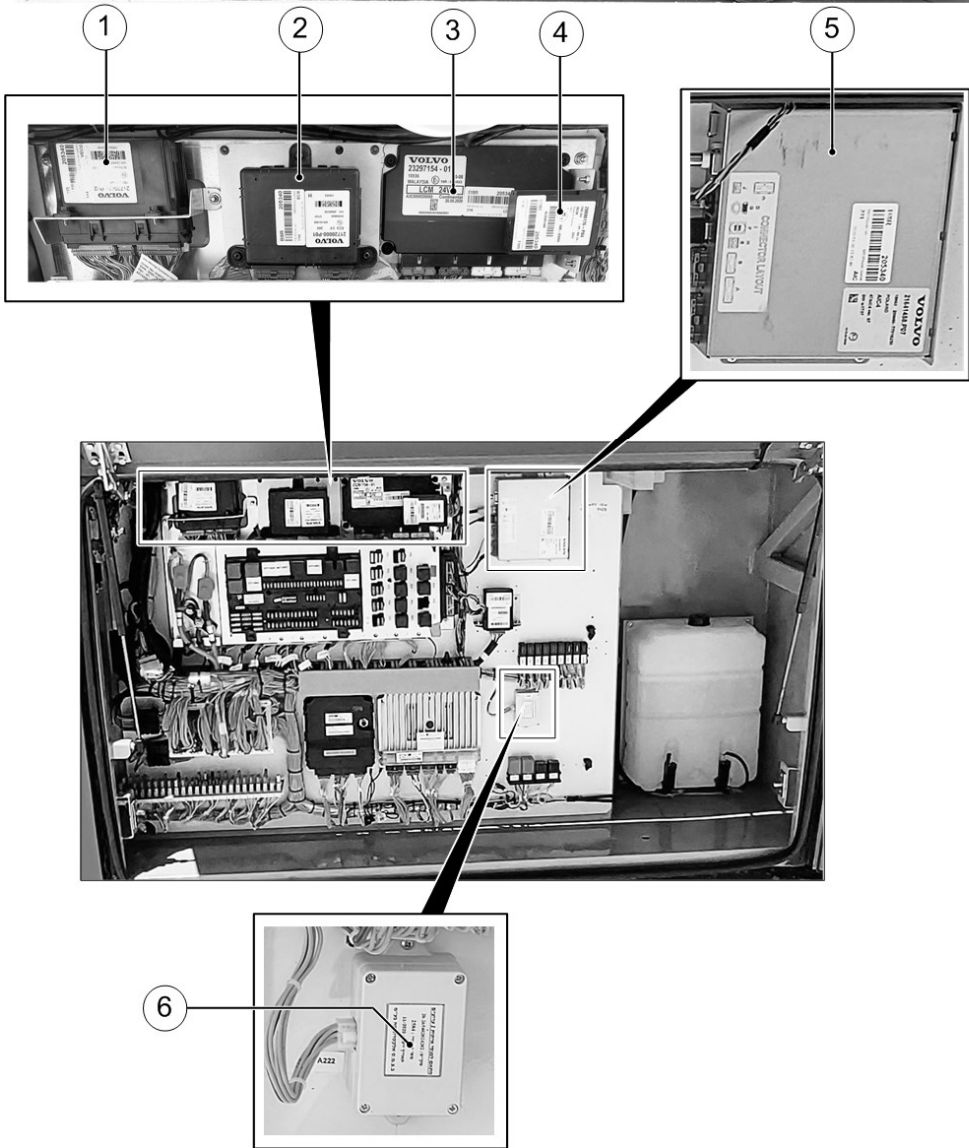
No.	Fuse Nimber	Amper	System		
76	F76	----	----		
77	F77	25A (B+)	A27 LCM (Light Control Module)		
78	F78	25A (B+)	A27 LCM (Light Control Module)		
79	F79	25A (B+)	A27 LCM (Light Control Module)		
80	F80	25A (B+)	A27 LCM (Light Control Module)		
81	F81	25A (B+)	A27 LCM (Light Control Module)		
82	F82	25A (B+)	A27 LCM (Light Control Module)		
83	F83	----	----		
84	F84	----	----		
85	F85	----	----		
86	F86	5A (B+)	A03 Instrument cluster & OBD		
87	F87	30A (B+)	Main Switch		
88	F88	----	----		
89	F89	5A (+58)	Parking lamps left		
90	F90	5A (+58)	Parking lamps right		
91	F91	----	Empty		
92	F92	5A (+30)	Transmission, I-Shift TECU		
93	F93	20A (+30)	Transmission, I-Shift TECU		
94	F94	----	Empty		

*** May be semi-automatic or full automatic fuse



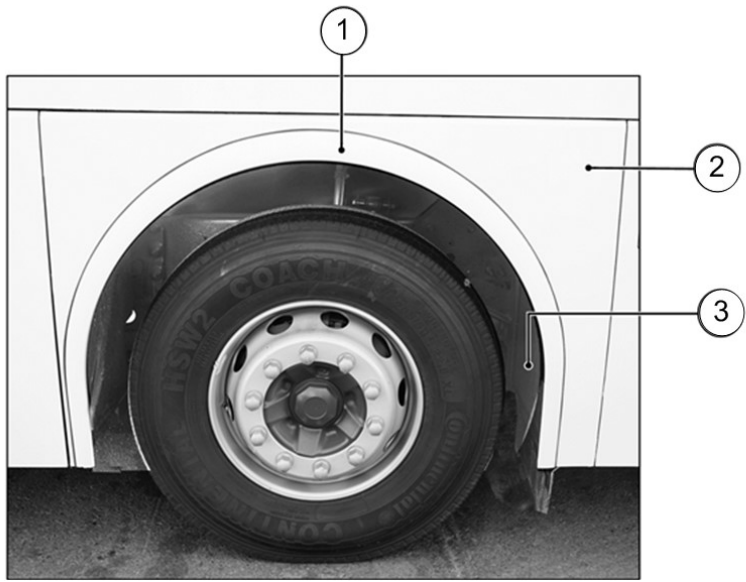
No.	Body Builder Conector	Group:	System		Qty
		A - BB Connector B - Volvo Relay			
01	X21-01	A	Instrument panel left		
02	X21-02	A	Front wall		
03	X21-03	A	Front door		
04	X21-04	A	ACTIA Multiplex on topl, driver side		
05	X21-05	A	Pre-heater		
06	X21-06	A	Instrument panel right		
07	X21-07	A	Instrument panel right		
08	X21-08	A	Rear wall		
09	X21-09	A	ACTIA Multiplex in luggage, driver side		
10	X21-10	A	Bridge in the ceiling, between air ducts		
11	X21-11	A	Instrument panel left		
12	X21-12	A	IT Box		
13	K22	B	Ignition +15		
14	K72	B	Alternator & Engine Components		

*** May be semi-automatic or full automatic fuse



Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Left			
Draw. No. 25			

Front left wing

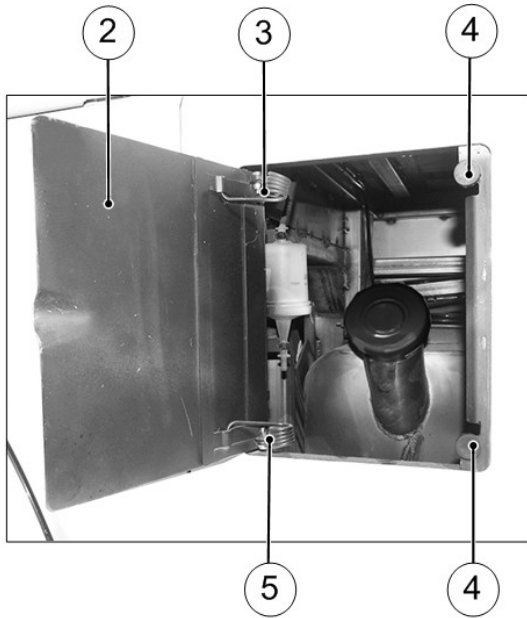
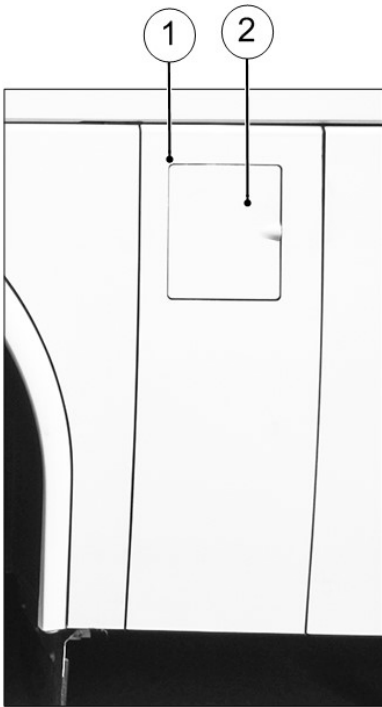


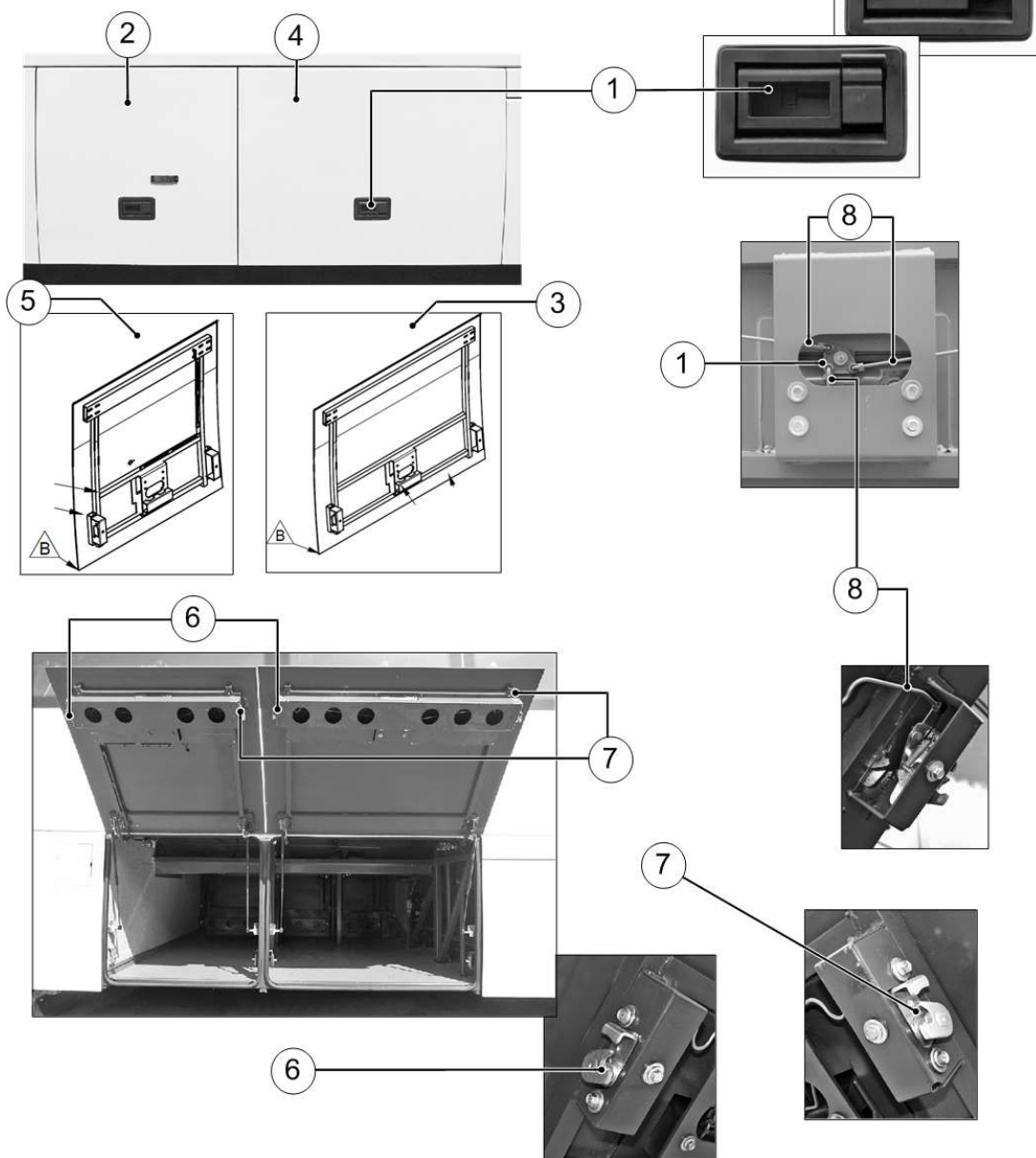
Front left wing

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Wheel Arc fiberglass	V7058/95/9366			1
2	Left front wing	3398/20/042			1
3	Rear left wheel wing metal mud cover	V3492/14/906			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Left			
Draw. No. 26			

Fuel filler door

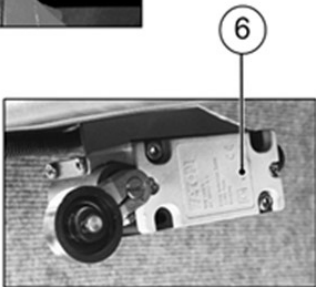
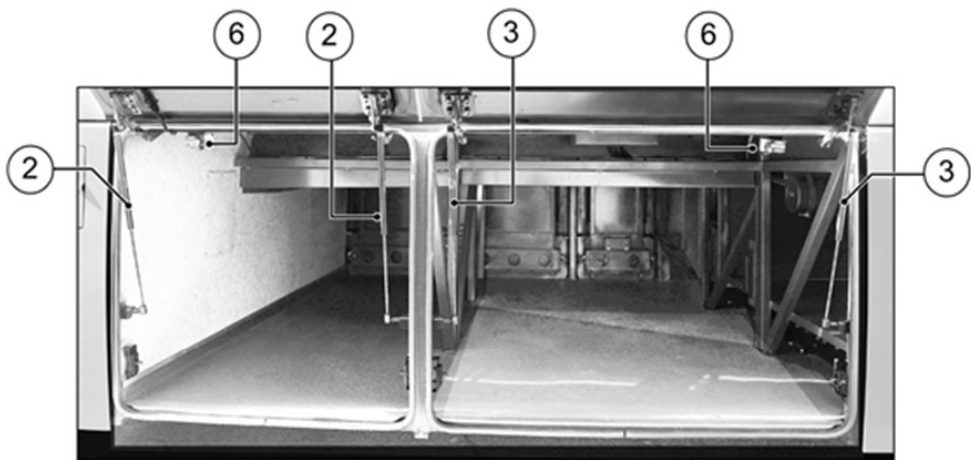




No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Door lock handle	58-772412-166119	PRIMA	P141J-66119B	2
2	Frt lft complete Luggage compartment door	V3492/20/931			1
3	left midl complete Lugg compartment door	V3492-20-928			1
4	Left Middle luggage glued door	V3492/20/929			1
5	Left Front luggage glued door	V3492/20/932			1
6	Right spring lock	59-025253-000070	PRIMA	P70-66940	2
7	Left spring lock	59-025253-001070	PRIMA	P70-51700	2
8	Plastic connector	59-025253-000094			10

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 28			

Luggage compartment

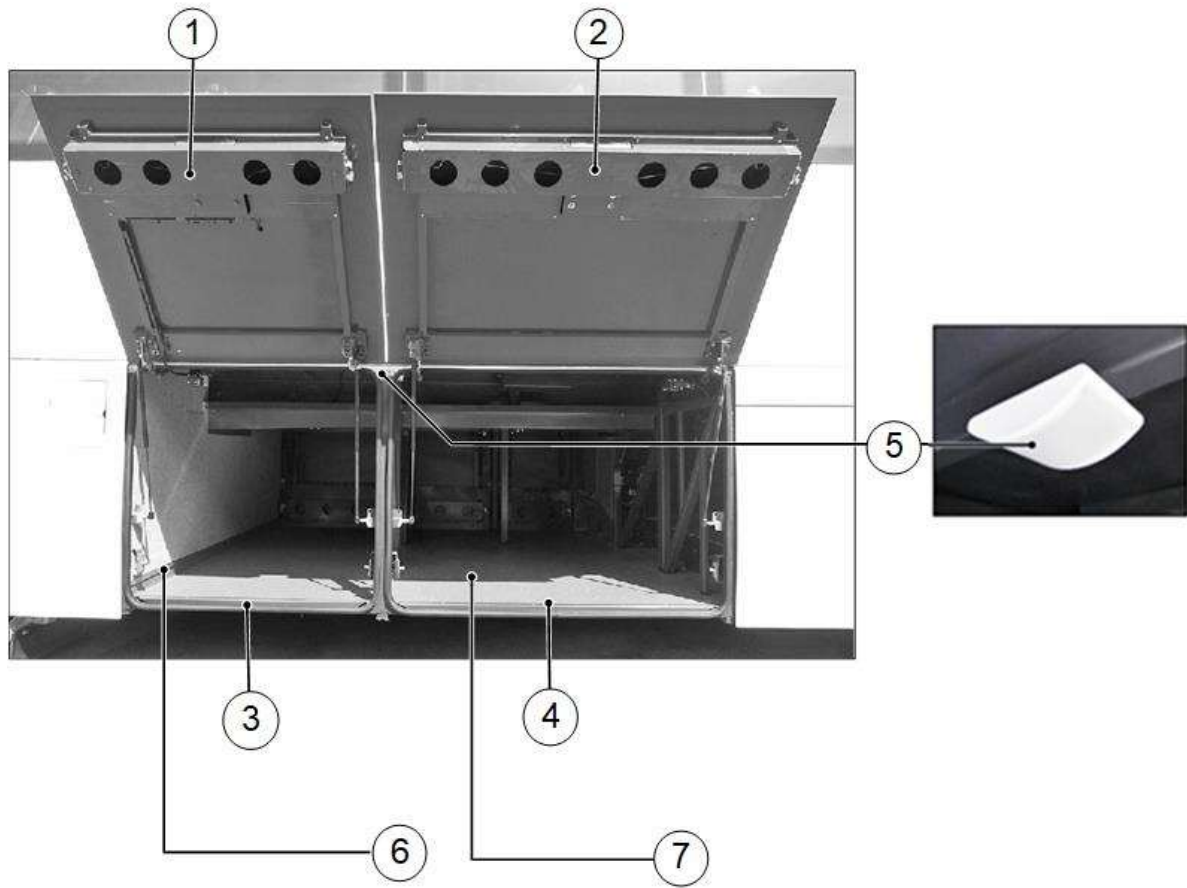


Luggage compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Scissor Hintch 59037180003312 Scissors axle	V7020/82/977			4
2	Gas Spring,Lift-O-Mat,400N,L-585, 083917	40-407448-083917	Stabilus	083917	2
3	Gas Spring,Lift-O-Mat,500N,L-585, 083925	40-407448-083925	Stabilus	083925	2
4	RUBBER PROFILE FOR LUGGAGE COMPARTMENT	51-416117-000002			2
5	Door lock pin	V3391/08/937			4
6	Pulley switch	20-257194-113311			2

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 29			

Luggage compartment

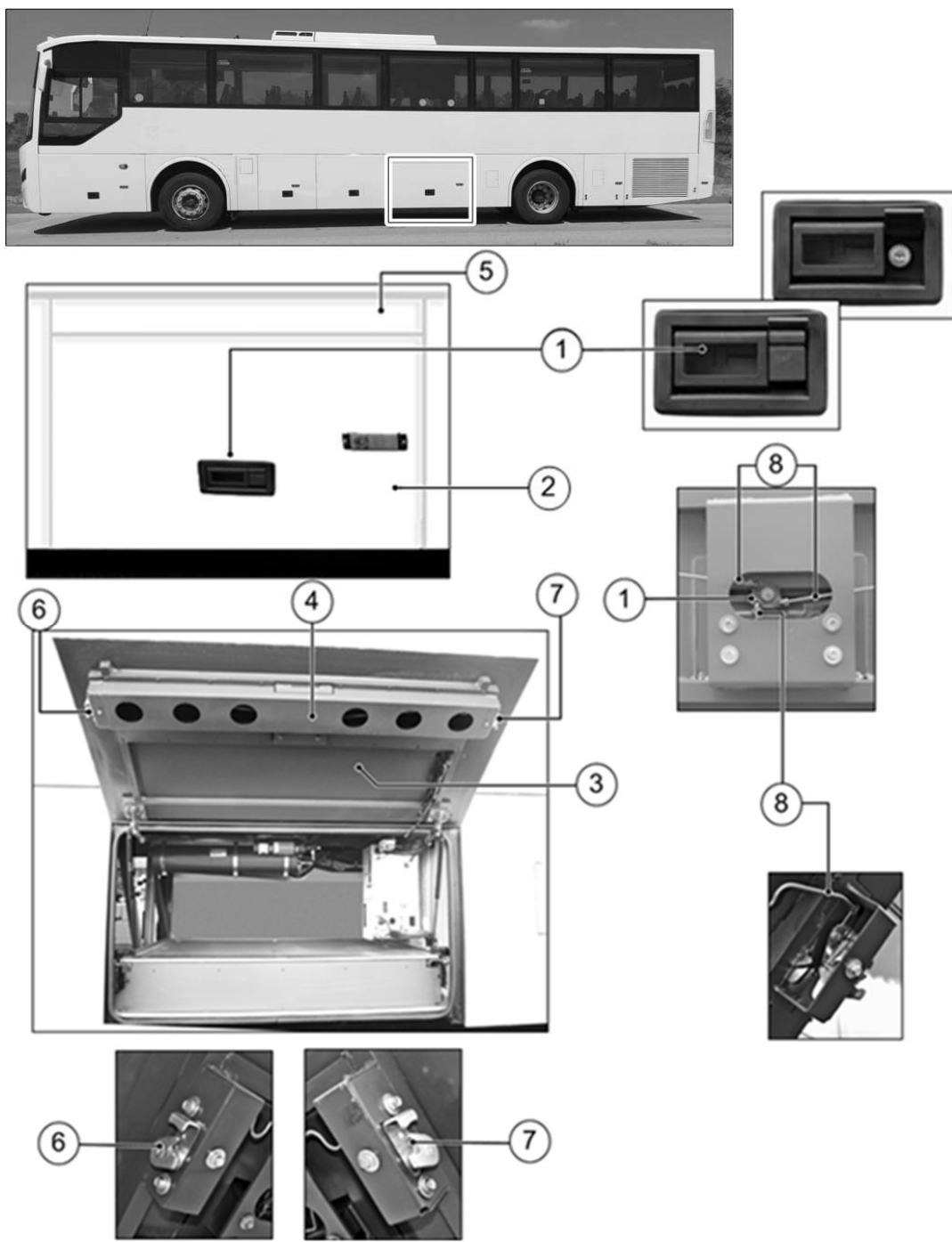


Luggage compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Left front luggege door inside cover	3492/20/022	ERA	012-HLC21H1.L	1
2	Left middle luggege door inside cover	3492/20/020			1
3	Left front door inner rubber protector	3492/29/065			1
4	Left middle door rubber protector	3492/29/064			1
5	LED light	20-254000-000060			1
6	Profile 1310	3384/29/055			1
7	FLOOR COVERING, PVC	49-212000-907172			1

Exterior	 MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left		
Draw. No. 30		

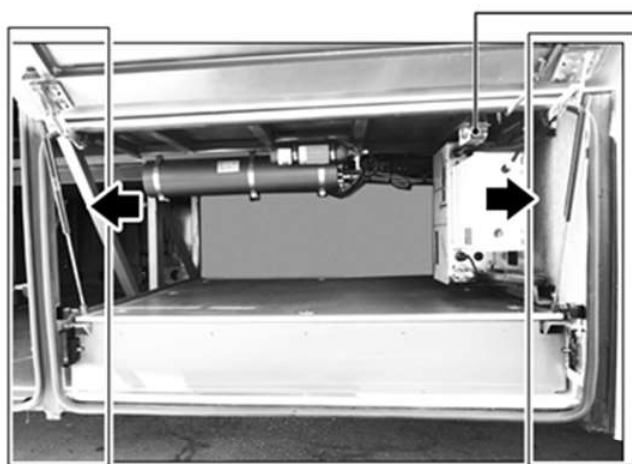
Fire system / wheelchair lift compartment



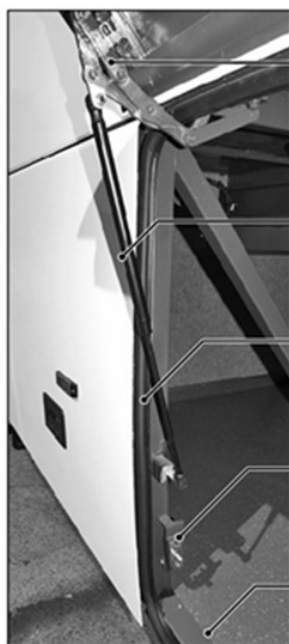
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Door lock handle	58-772412-166119	PRIMA	P141J-66119B	1
2	Left rear complete Lugg compartment door	V3492/20/925			1
3	Left Rear luggage/pass lift glued door	v3492/20/926			1
4	Left rear door inside cover	3492/20/019			1
5	Panel above left rear compartment door	3492/20/004			1
6	Right spring lock	59-025253-000070	PRIMA	P70-66940	1
7	Left spring lock	59-025253-001070	PRIMA	P70-51700	1
8	Plastic connector	59-025253-000094			2

Exterior	 MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left		
Draw. No. 31		

Fire system / wheelchair lift compartment



5



1

2

3

4

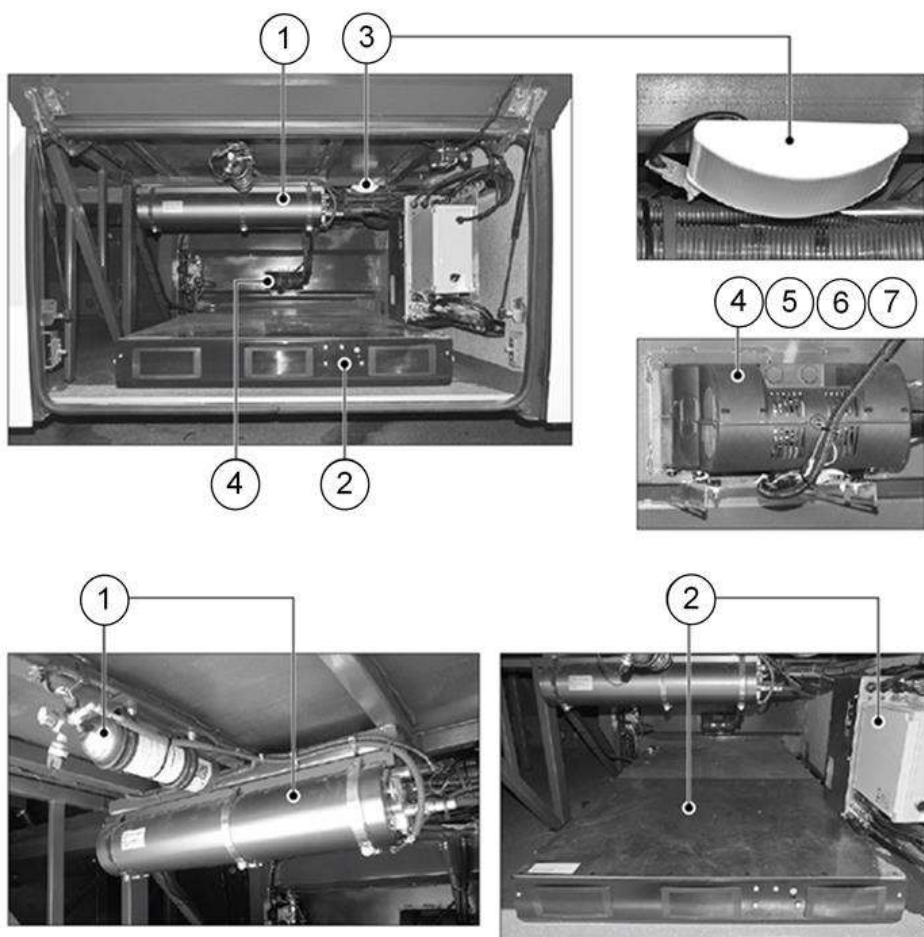
6



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Scissor Hintch 59037180003312	V7020/82/977			2
2	Stabilus Lift-O-Mat 083763 500N L485	40-407448-083763	Stabilus	083763	2
3	RUBBER PROFILE FOR LUGGAGE COMPARTMENT	51-416117-000002			1
4	Locking bolt	V3391/08/937			2
5	Pulley switch	20-257194-113311			1
6	Profile 60184	3492-29-858			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 32			

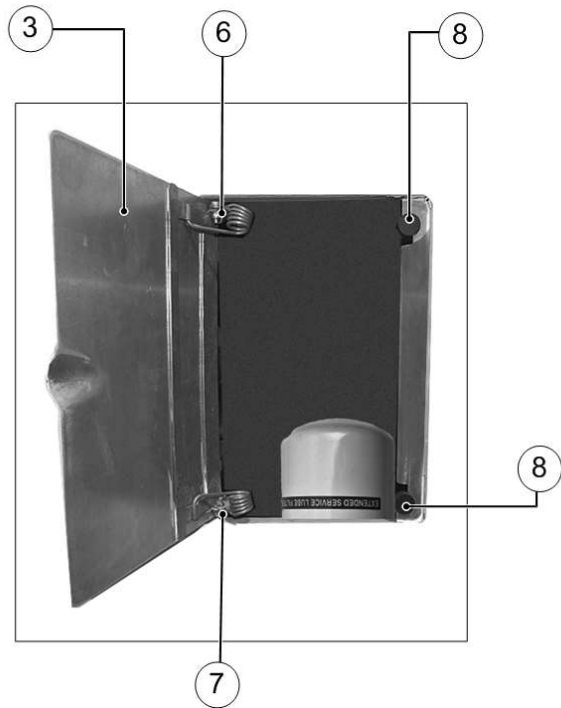
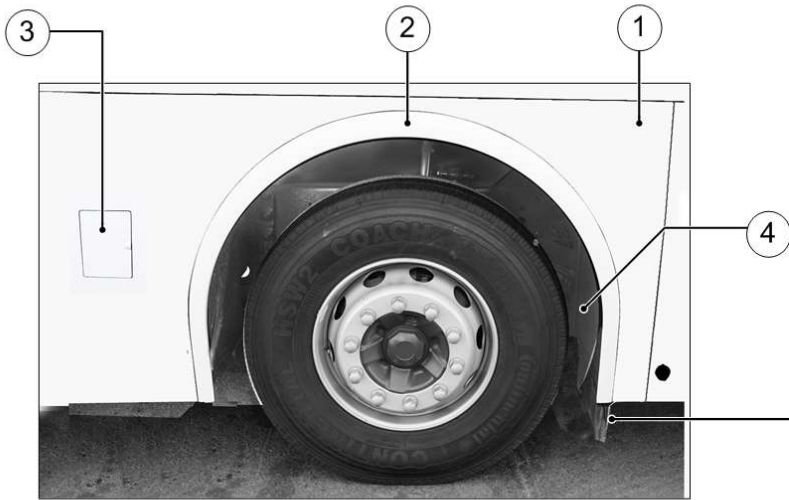
Fire system / wheelchair lift compartment



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Fire system	54-709060-006507	FOGMAKER		1
2	Wheelchair lift DHOLLANDIA	54-470001-020305	DH-CH	102.03.05	1
3	LED light	20-254000-000060	ERA	012-HLC21H1.L	1
4	Aerotherme Step Heater	57-718303-120917	Sanz Clima	8.303.121.860	1
5	Radiator step blower	53-000000-000033	Sanz Clima	7.145.400.384	1
6	Harness step blower	53-000000-000041	Sanz Clima	7.144.401.013	1
7	AXIAL fan step blower	53-000000-000042	Sanz Clima	7.136.600.014	1
8	Grid fan step blower	53-000000-000042	Sanz Clima	6.147.400.146	1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 33			

Rear left wing

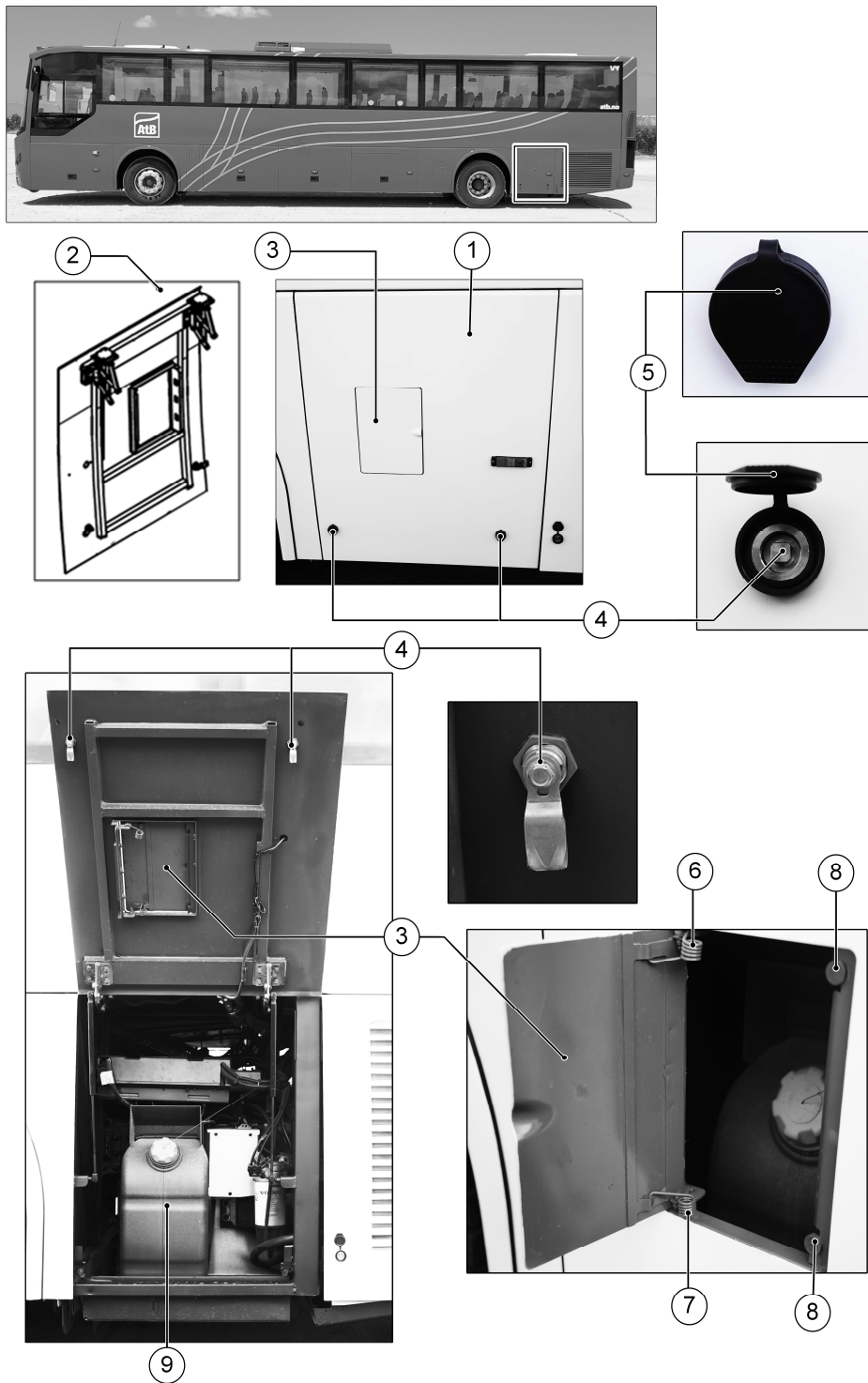


Rear left wing

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Rear left wing	V3492/20/913	VOLVO	1594397	1
2	Wheel Arc fiberglass	V7052/95/9366			1
3	Service door w/o lock	V3409/20/968			1
4	Rear left wheel wing metal mud cover	V3492/14/904			1
5	Mudflap	20-272000-000200			1
6	Right side door spring	50-123000-000021			1
7	Left side door spring	50-123000-000022			2
8	Rubber stopper 20x6	60-030000-000009			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Left			
Draw. No. 34			

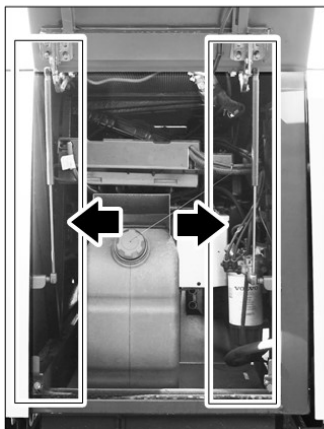
AdBlue tank compartment



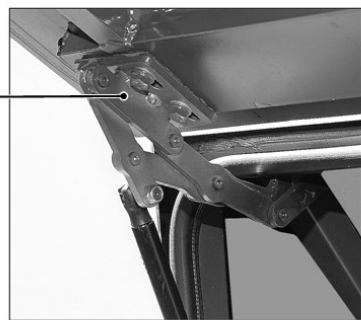
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Complete AdBlue tank compartment door	V3492/20/940			1
2	Ad-blue glued door	V3492/20/941			1
3	Service door w/o lock	V3409/20/968			2
4	EMKA rotary latch H24 AISI316	59-025253-602524	EMKA	Square Quarter Lock-H24	2
5	Door lock cover	59-025253-100097	EMKA	1000-97-01	1
6	Right side door spring	50-123000-000021			1
7	Left side door spring	50-123000-000022			2
8	Rubber stopper 20x6	60-030000-000009			1
	-				

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 35			

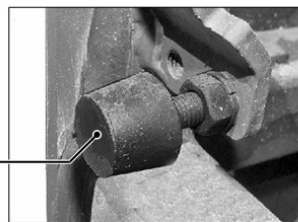
AdBlue tank compartment



1



2



3

AdBlue tank compartment

[illegible]

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 36			

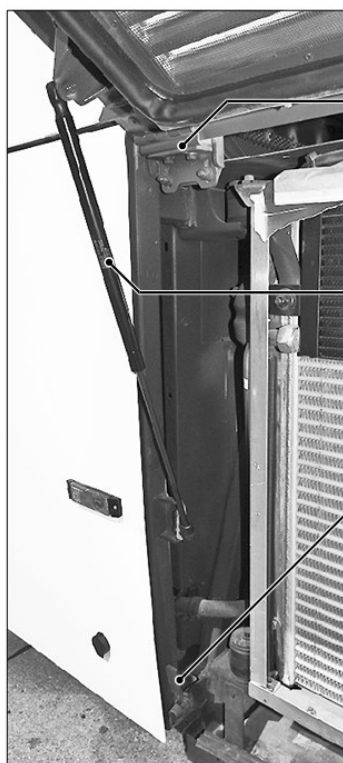
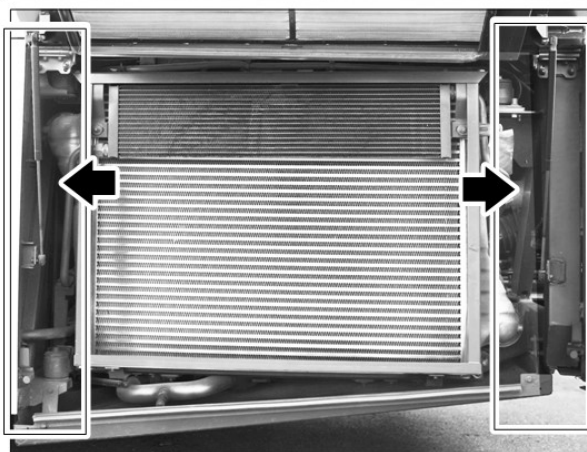
Engine radiator compartment



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Complete engine radiator compartment door	V3492/20/949			1
2	Left rear engine cover glued door	V3492/20/950			1
3	EMKA Rotary latch H24 AISI316	59-025253-602524	EMKA	Square Quarter Lock-H24	1
4	Door lock cover	59-025253-100097	EMKA	1000-97-01	2
	-				

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Left			
Draw. No. 37			

Engine Radiator Compartment

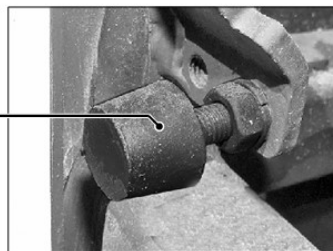
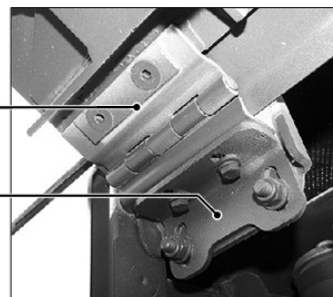


1

2

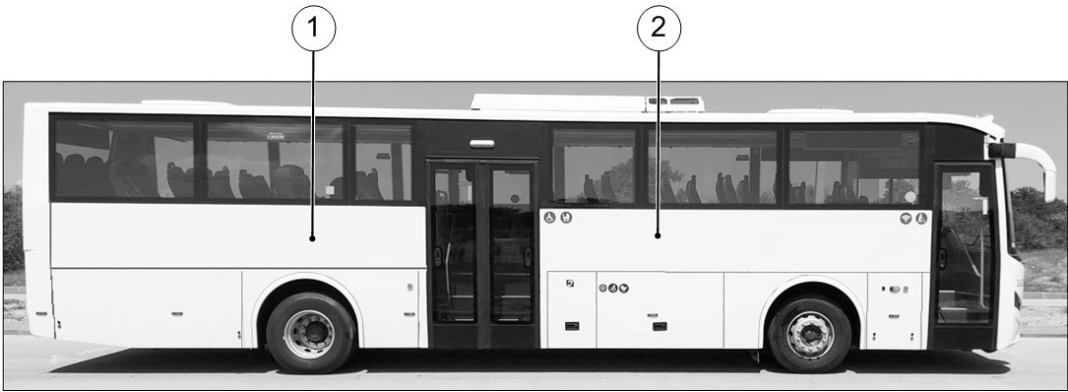
3

4



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Doors axle	7020/82/224			2
2	Axle support	3424/20/050			2
3	Gas spring, Lift-O-Mat, 400N, L-585, 083917	40-407448-083917	Stabilus	83917	2
4	Rubber stopper M10x60	53-701117-082009			2

Exterior	 MARS INTERCITY BUS VOLVO B8R chassis  Merkavim Transportation Technologies Ltd.
Left	
Draw. No. 38	
Outer Skin	

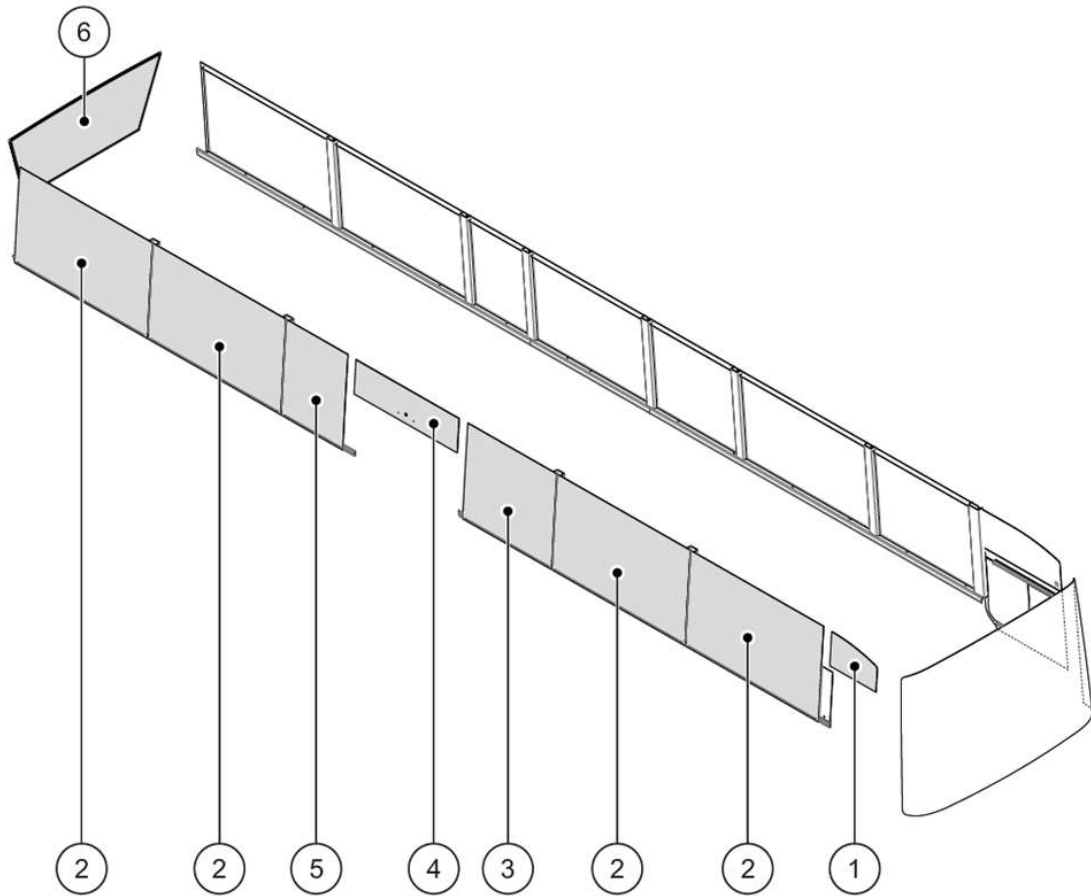


Outer Skin

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Front right outer skin	3492/11/001			1
2	Rear right outer skin	3395/11/010			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 39			

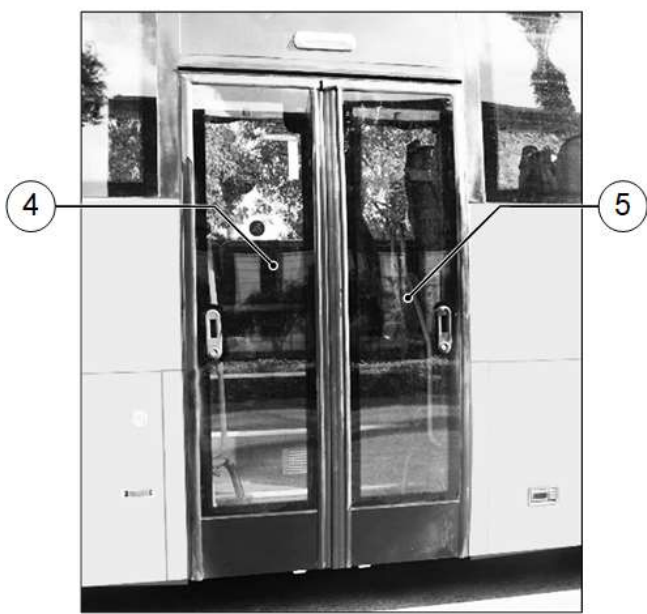
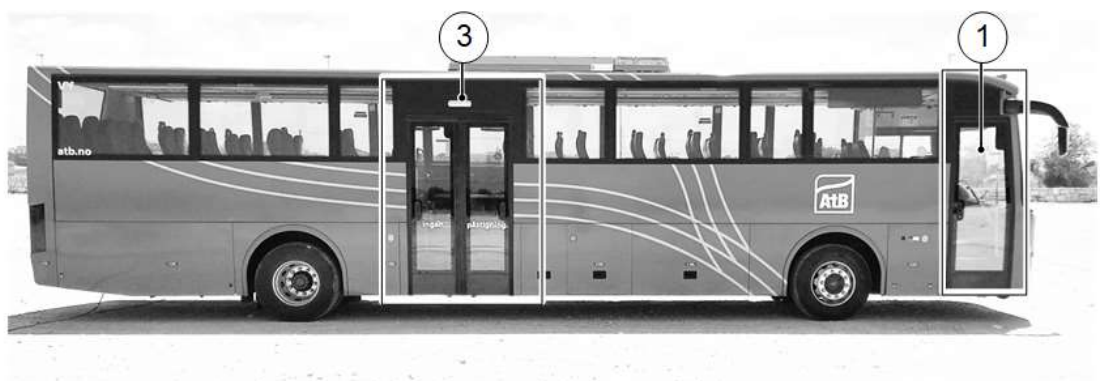
Door side and Back Windows



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	5mm tempered grey glass with black print	7019/82/161			1
2	Double glass side window	49-706411-012403	Pilkington	1725X1045	4
3	Double glass side window	49-706411-012400	Pilkington	1155X1045	1
4	Window above the rear door	3492/19/005			1
5	Double glass side window	49-706411-012399	Pilkington	796X1045	1
6	Double glass rear window	49-706421-000976	Pilkington	1981X808	1

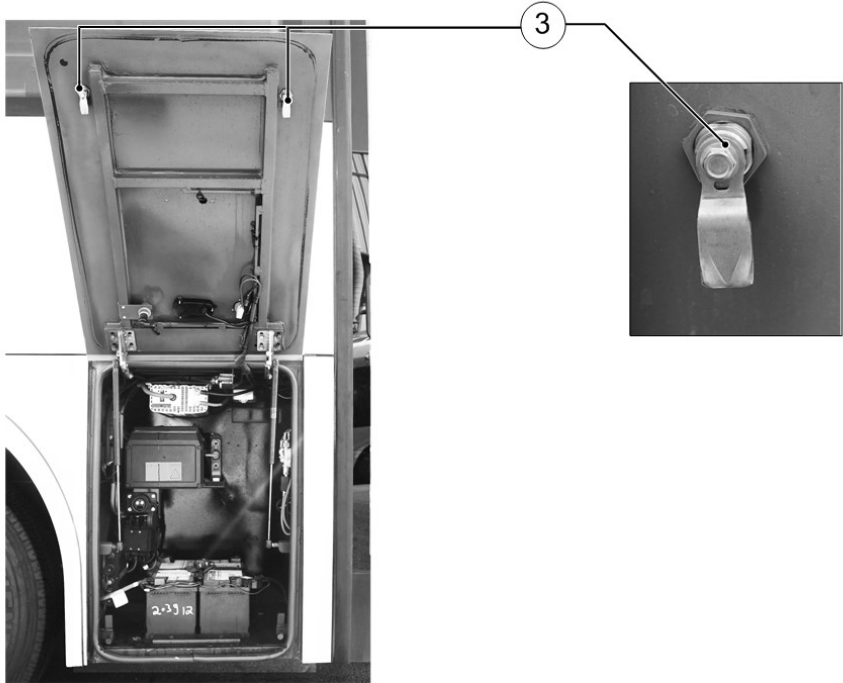
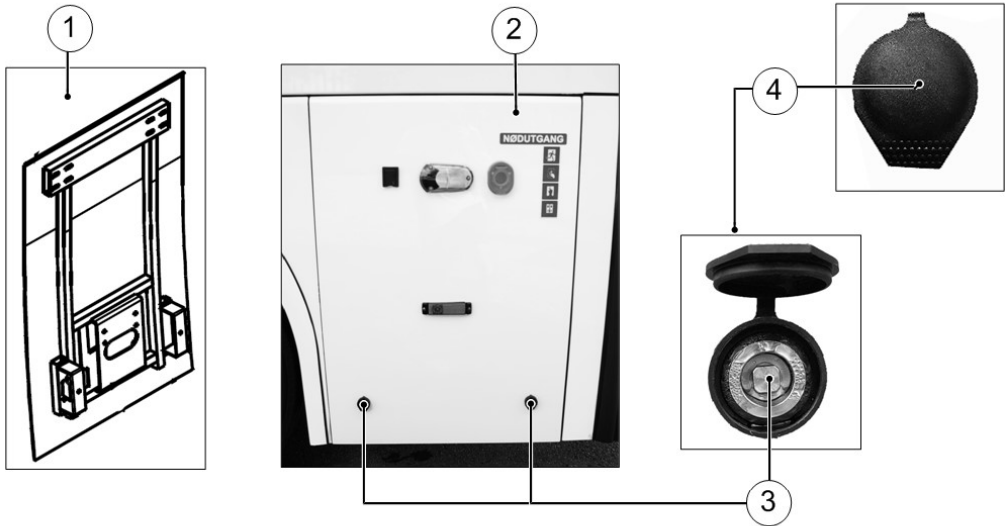
Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Right			
Draw. No. 40			

Entrance doors



Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 41			

BATTERY COMPARTMENT

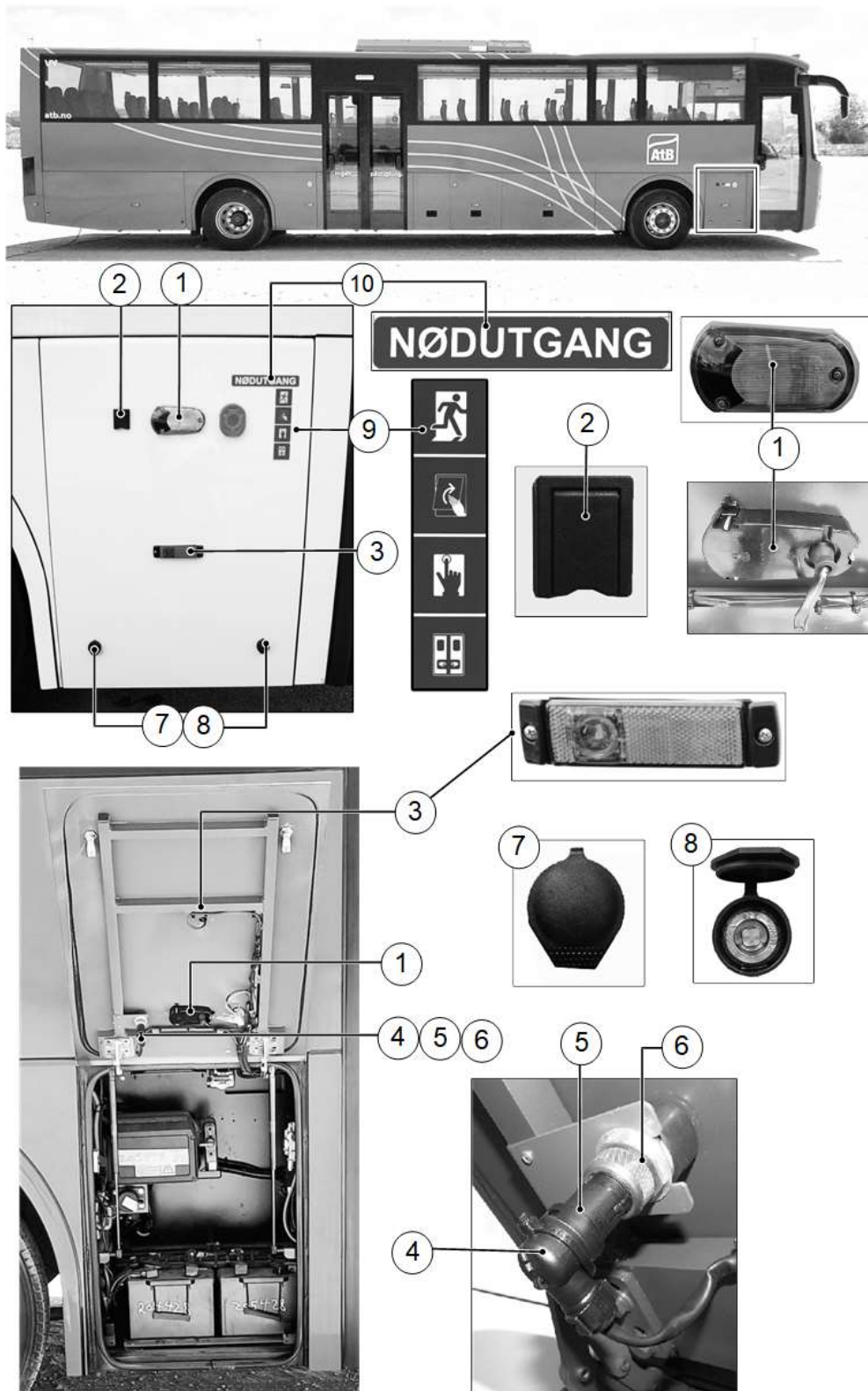


BATTERY COMPARTMENT

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Complete Battery compartment door	V3492/20/914			1
2	Battery compartment glued door	V3492/20/915			1
3	EMKA rotary latch H24 AISI316	59-025253-602524	EMKA	Square Quarter Lock-H24	2
4	Door lock cover	59-025253-100097	EMKA	1000-97-01	2
	-				

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 42			

Battery Compartment

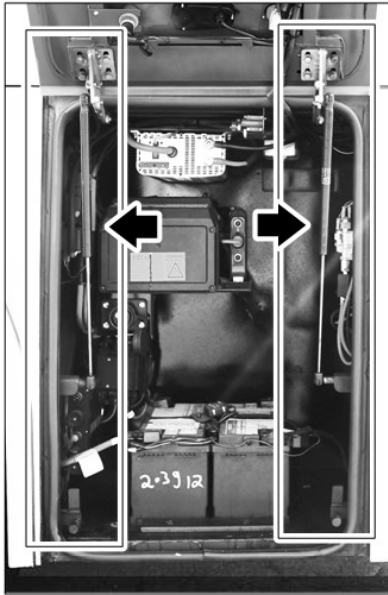


Battery Compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Side direction indicator	20-081253-355017	HELLA	2BM 008355-017	1
2	Plastic cover	59-038000-062853			1
3	Side marker light with reflector	20-254000-645001	HELLA	2PS 008645-00	1
4	External door push button	20-000280-027501		AK 27501	1
5	Connection plug	20-258837-200662		AK 661 ZZ	1
6	Connection cap 90	20-000000-965783	AMP	965783-1	1
7	Emka Rotary latch H24 AISI316	59-025253-602524	EMKA	Square Quarter Lock-H24	2
8	Door lock cover	59-025253-100097	EMKA	1000-97-01	2
9	Decal, External emergency opening	53-751716-000014			1
10	Decal, NØDUTGANG, 121mm	53-751716-000011			1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 43			

Battery Compartment

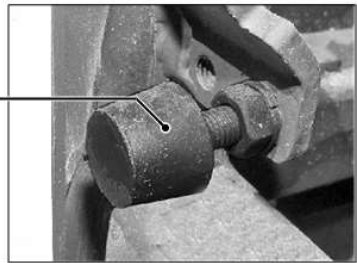


1



2

3

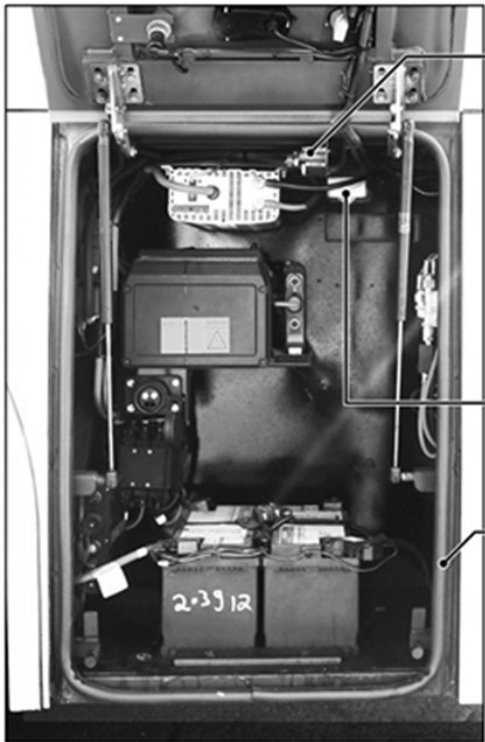


Battery Compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Scissor hinge59037180003312	V7020/82/977	Stabilus	083909 L585 300N	2
2	GAS BOOSTER 300N L-585	40-407448-083909			2
3	Rubber stopper M10x60	53-701117-082009			2

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Right			
Draw. No. 44			

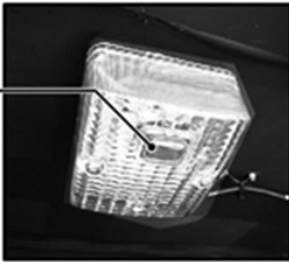
Battery Compartment



1



2

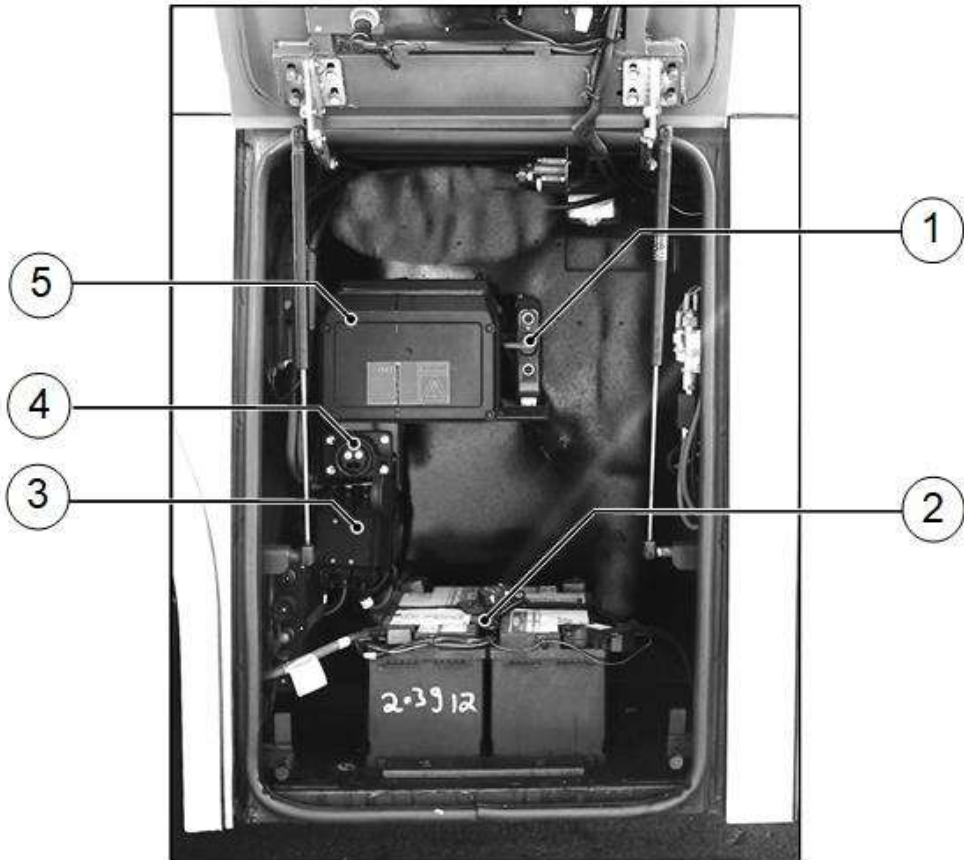


3

Battery Compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Pulley switch	20-257194-113311			1
2	Service light with switch	20-000280-601212	HELLA	2JB99601212	1
3	Rubber seal	51-416117-000002	TRIMPLAST	SEAL GA17	1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 45			
		Battery Compartment	

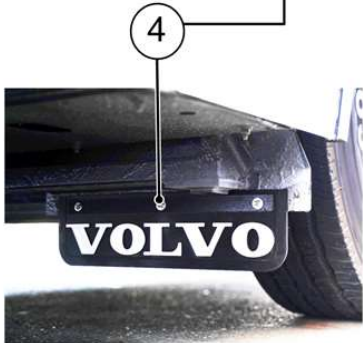
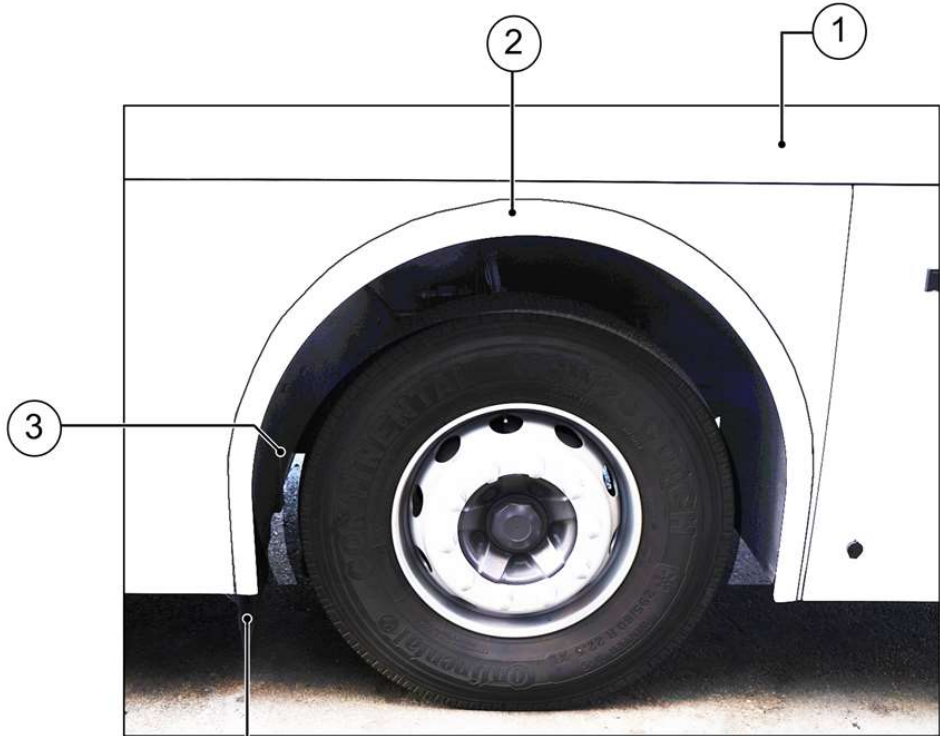


Battery Compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Main battery switc	20-000000-704700	DEFA	704700	1
2	Battery				1
3	MultiCharger 2x35A				1
4	Charging socket				1
5	Distribution box				1

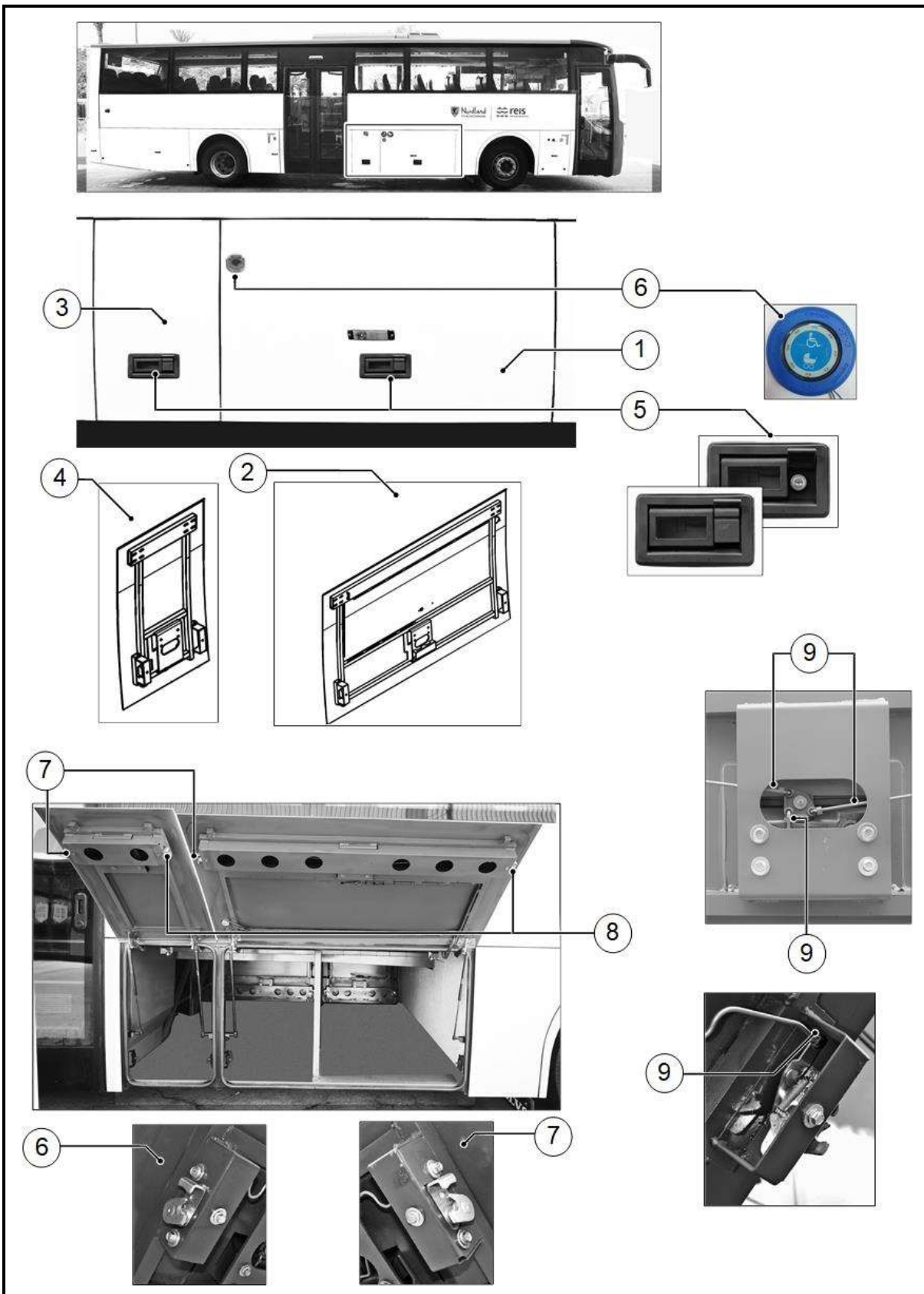
Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Right			
Draw. No. 46			

Front Right Wing



Front Right Wing

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Front right wing	3398/20/041	VOLVO	1544397	1
2	Wheel Arc fiberglass	V7058/95/9366			1
3	Front right wheel wing metal mud cover	V3492/14/907			
4	Mudflap				1

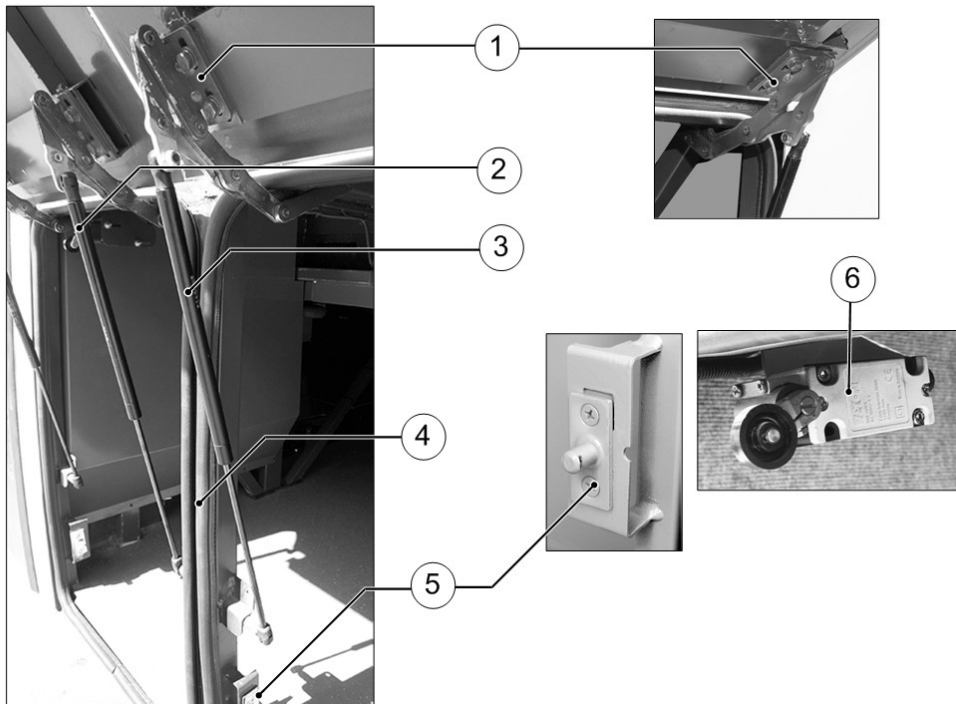
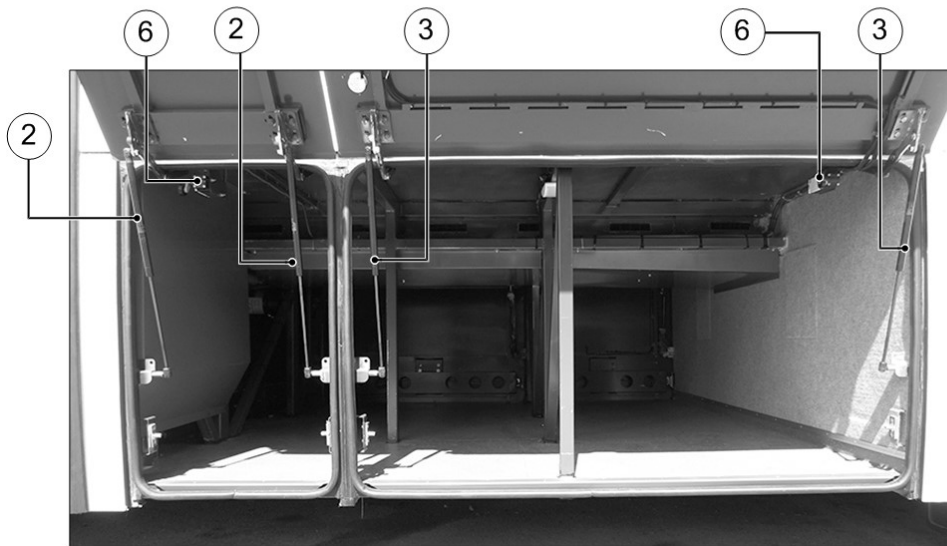


Luggage Compartment

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Right Front complete lggage door	V3492/20/934			2
2	Right Front luggage glued door	V3492/20/935			1
3	Right Rear complete luggage door	V3492/20/937			1
4	Right Rear luggage glued door	V3492/20/938			1
5	Door lock handle	58-772412-166119	PRIMA	P141J-66119-B	1
6	Stroller/disable red - green push button	20-256000-000004	Captron	CHT4-272W-70/TG-SR	1
7	Right side lock	59-025253-000070	PRIMA	66940	2
8	Left side lock	59-025253-001070	PRIMA	51700	2
9	Plastic connector	59-025253-000094			4

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 48			

Luggage Compartment

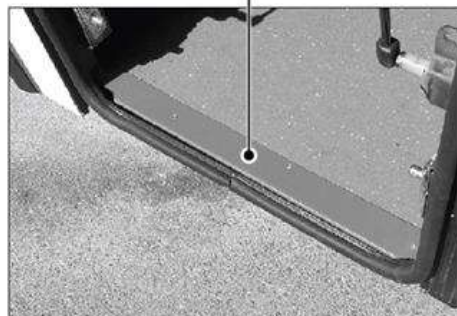
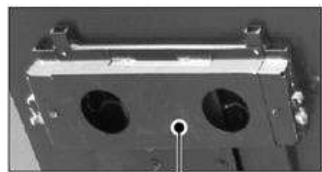
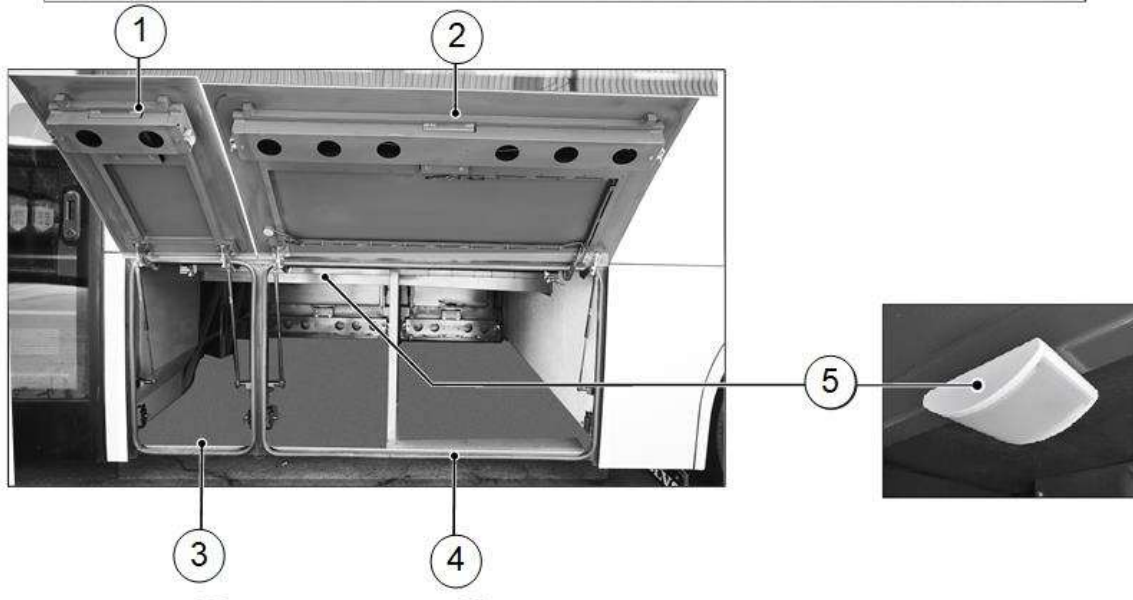


Luggage Compartment

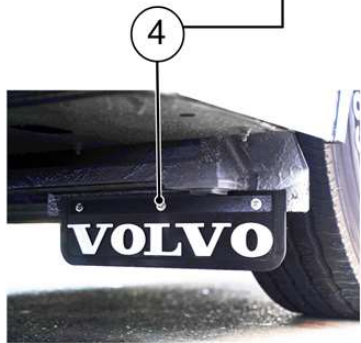
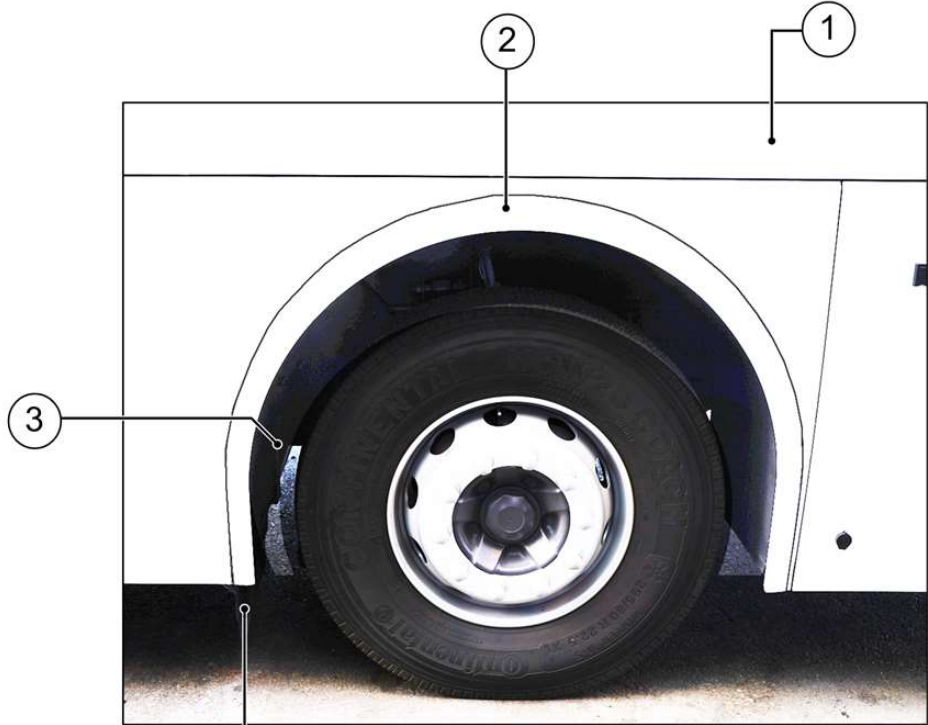
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Scissor Hintch 59037180003312	V7020/82/977			4
2	GAS BOOSTER 300N L-585	40-407448-083909	Stabilus	083917	2
3	Gas Spring,Lift-O-Mat,500N,L-585,	40-407448-083925	Stabilus	083925	2
4	Rubber seal	51-416117-000002			1
5	Door lock pin	V3391/08/937			2
6	Pulley switch	20-257194-113311			2

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 49			

Luggage Compartment



Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 MERKAVIM Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 50			
		Rear Right Wing	

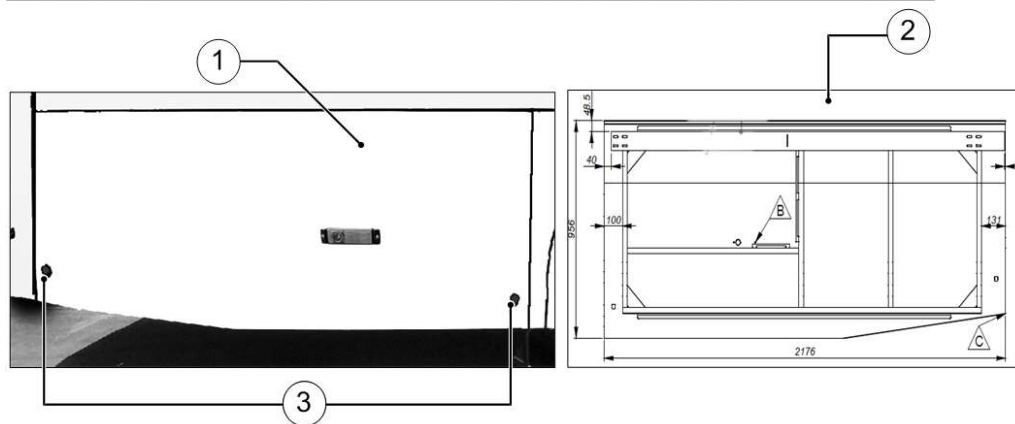


Rear Right Wing

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Right rear wing	3492/20/011	VOLVO	1594397	1
2	Wheel Arc fiberglass	V7058/95/9366			1
3	Rear right wheel wing metal mud cover	V3492/14/905			1
4	Mudflap				1

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Right			
Draw. No. 51			

**E6 EXHAUST SYSTEM /
PREHEATER COMPARTMENT**

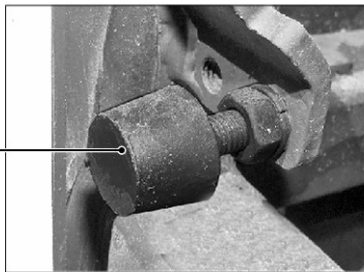
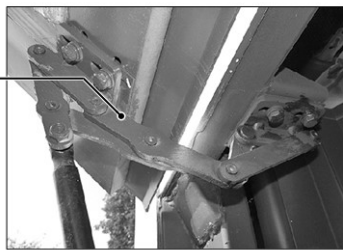
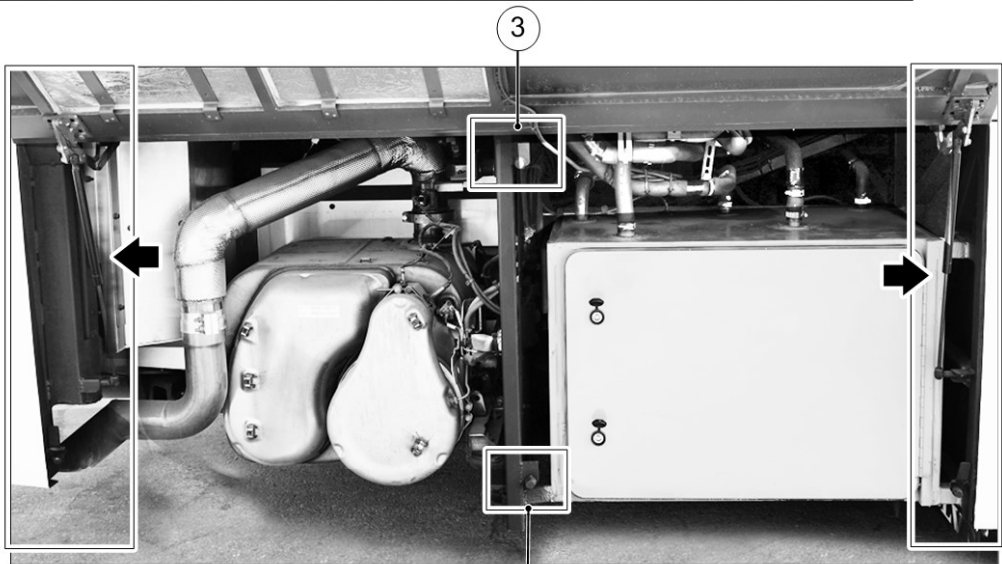


**E6 EXHAUST SYSTEM /
PREHEATER COMPARTMENT**

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Rear right exhaust comp door	V3492/20/952			1
2	Right rear engine glued door	V3425/20/932			1
3	EMKA rotary latch H24 AISI316	59-025253-602524	EMKA	Square quarter lock H24	2
4	Door lock cover	59-025253-100097	EMKA	1000-97-01	2

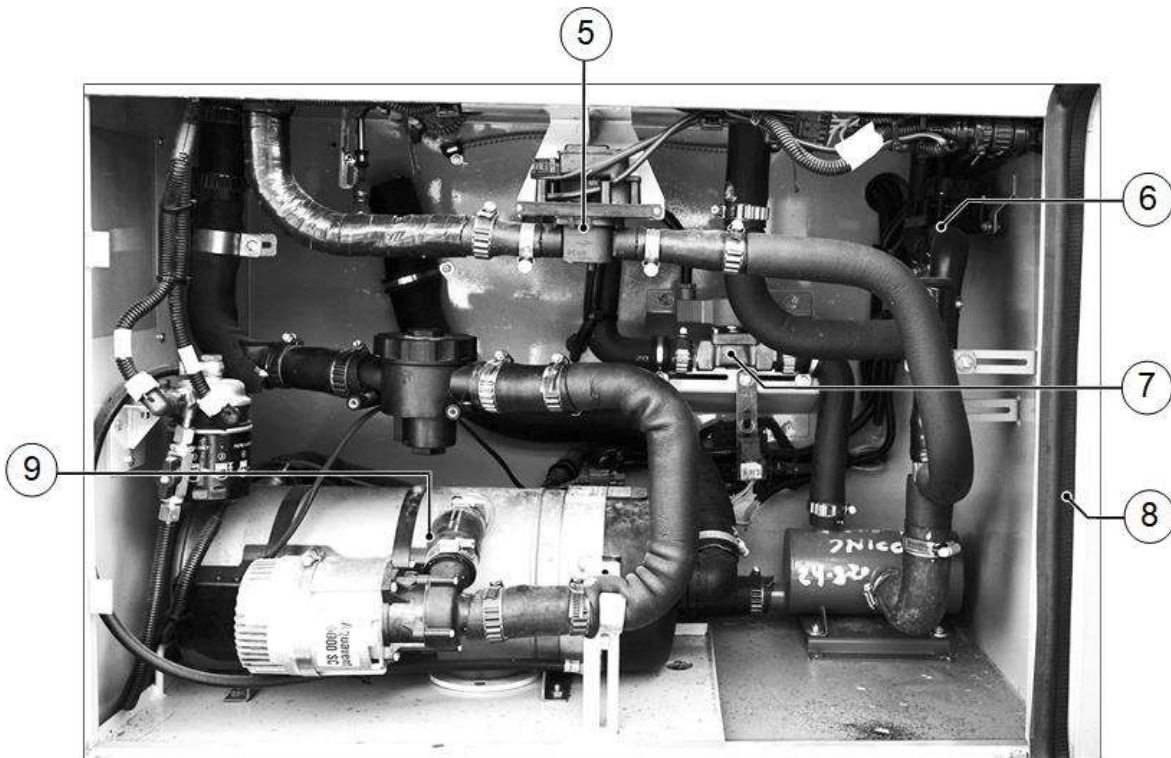
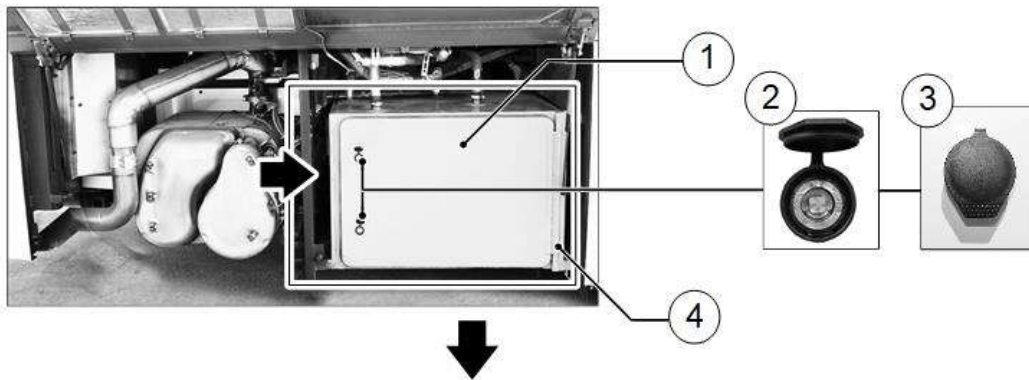
Exterior	 MARS INTERCITY BUS VOLVO B8R chassis	 MERKAVIM Merkavim Transportation Technologies Ltd.
Right		
Draw. No. 52		

E6 Exhaust System / Preheater Compartment

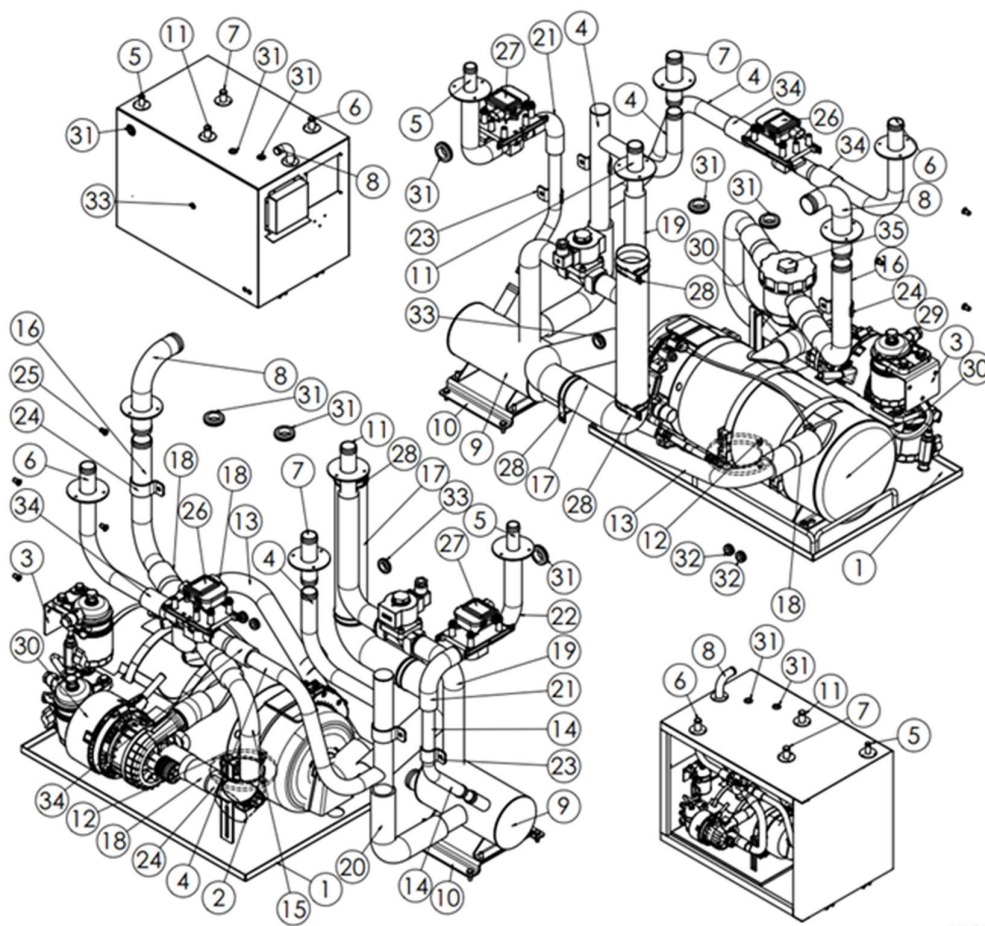


Exterior	 MARS INTERCITY BUS VOLVO B8R chassis	 MERKAVIM Merkavim Transportation Technologies Ltd.
Right		
Draw. No. 53		

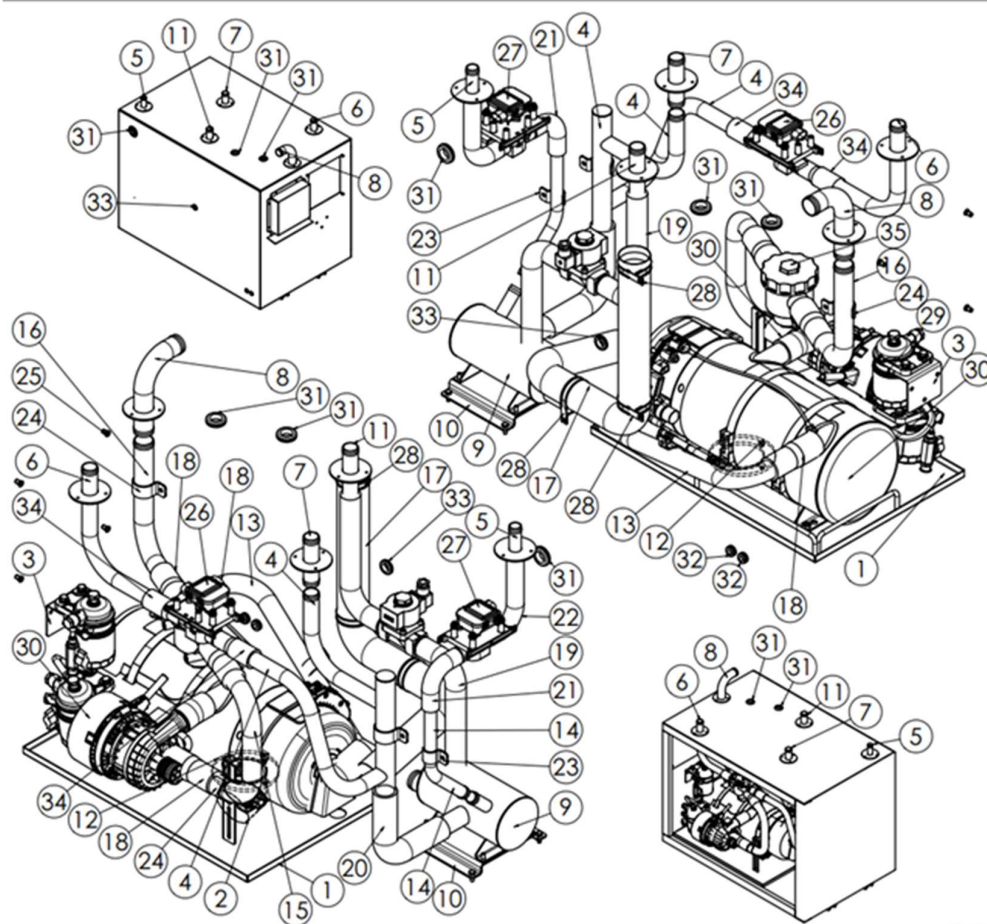
E6 Exhaust System / Preheater Compartment



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Pre-heater metal door	3492/09/156			1
2	EMKA Rotary latch H24 AISI316	59-025253-602524	EMKA	Square quarter lock H24	2
3	Door lock cover	59-025253-100097	EMKA	1000-97-01	2
4	Axle strip SS	7009/92/067			1
5	Motorized Water Valve 22 mm + Switch WP	20-357147-400540	Sanz Clima	7.147.400.540	1
6	Motorized Water Valve On/Of 22mm WP Pedro San	20-357147-400541	Sanz Clima	7.147.400.541	1
7	Solenoid Valve DN28-m 24V Magnetventil	-	Sutrak – Eberspacher	88-50-55-00026-00	1
8	Rubber Profile F.R.A 00257	56-416117-000257	F.R.A	257	1
9	Preheater Thermo Plus 300 Pump U4856	57-717011-138888	Sanz Clima	11138888-A-02	1



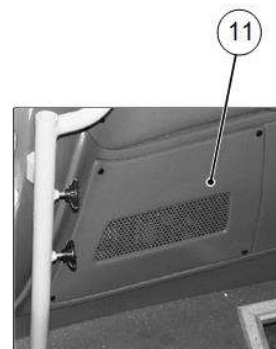
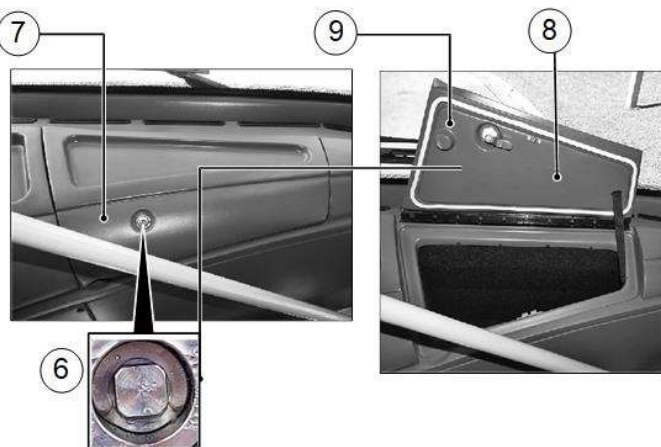
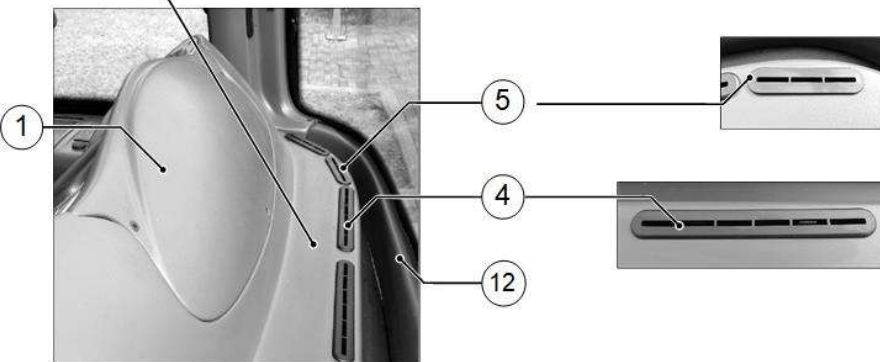
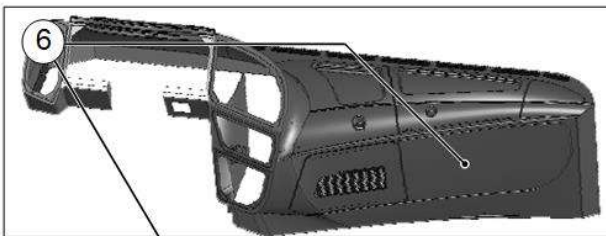
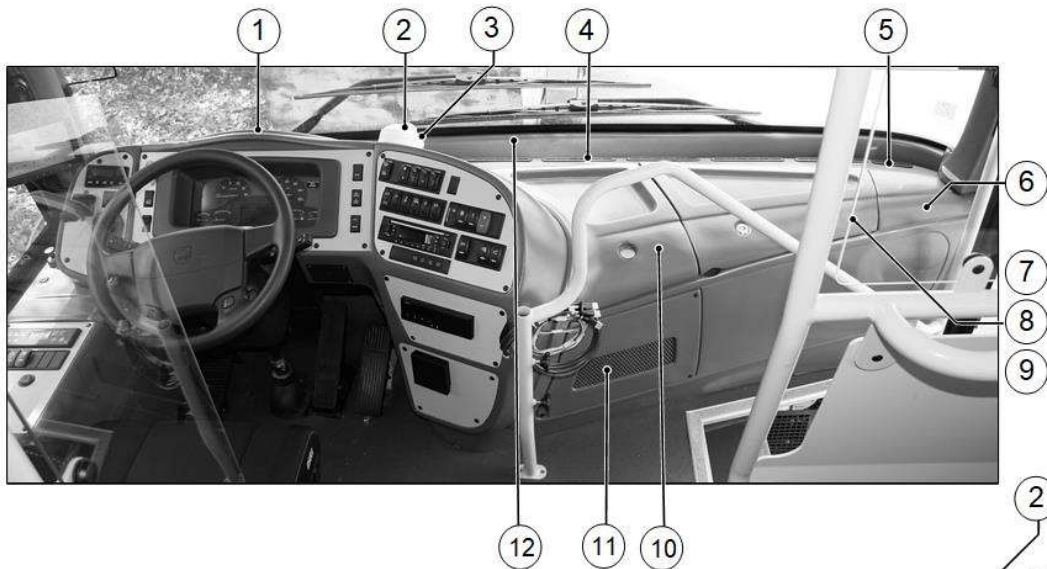
No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Plate	V3492/09/923			1
2	Exhaust	V3492/09/930			1
3	Fuel filter bracket	V3492/09/931			1
4	Pipe	V3492/65/933			1
5	Sleeve 22mm	V3492/65/935			1
6	Sleeve 28mm	V3492/65/938			1
7	Sleeve 28mm	V3492/65/939			1
8	Sleeve 35mm	V3492/65/945			1
9	Sleeve	V3492/65/955			1
10	Base	V3492/65/956			1
11	Sleeve 28mm	V3492/65/957			1
12	Base	3492/09/077			1
13	35x1.5x580 brass pipe	3492/65/101			1
14	22x1.5x304 brass pipe	3492/65/117			1
15	35x1.5x463 brass pipe	3492/65/121			1
16	35x1.5x358 brass pipe	3492/65/122			1
17	inlet pipe 55x900mm	3492/65/137			1
18	EPDM Sleeve 35-38 mm	7065/82/050			4
19	L-shape 150*150*28mm EPDM	7065/82/051			2
20	L-shape 150*150*35mm EPDM	7065/82/052			1
21	L-shape 150*150*22mm EPDM	7065/82/053			1
22	L-shape 150*150*22mm EPDM	7065/82/053			1
23	Anchor for 22mm pipe	7065/92/008			1



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
24	Anchor for 35mm pipe	7065/92/014			4
25	M5 steel Nut flat open head	11-000000-000005			4
26	Motorized Water Valve 22 mm+Switch WP	20-357147-400540			1
27	MotorizedWaterValveOn/Of22mmWP PedroSanz	20-357147-400541			1
28	Tube Clamp,56mm + 12mm wide Rubber Cover	20-047408-000056			3
29	Fuel filter				1
30	Preheater Thermo Plus 300 Pump U4856	57-717011-138888			1
31	Rubber ring 9x12	60-416000-009012			2
32	Rubber ring 16x27	60-416000-027016			1
33	Rubber ring 36x22 mm	60-416000-036022			3
34	EPDM Sleeve 22-28 mm	63-253714-700164			2
35	Strainer DN 25 Pedro Sanz	57-718498-125000			1

Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 56			

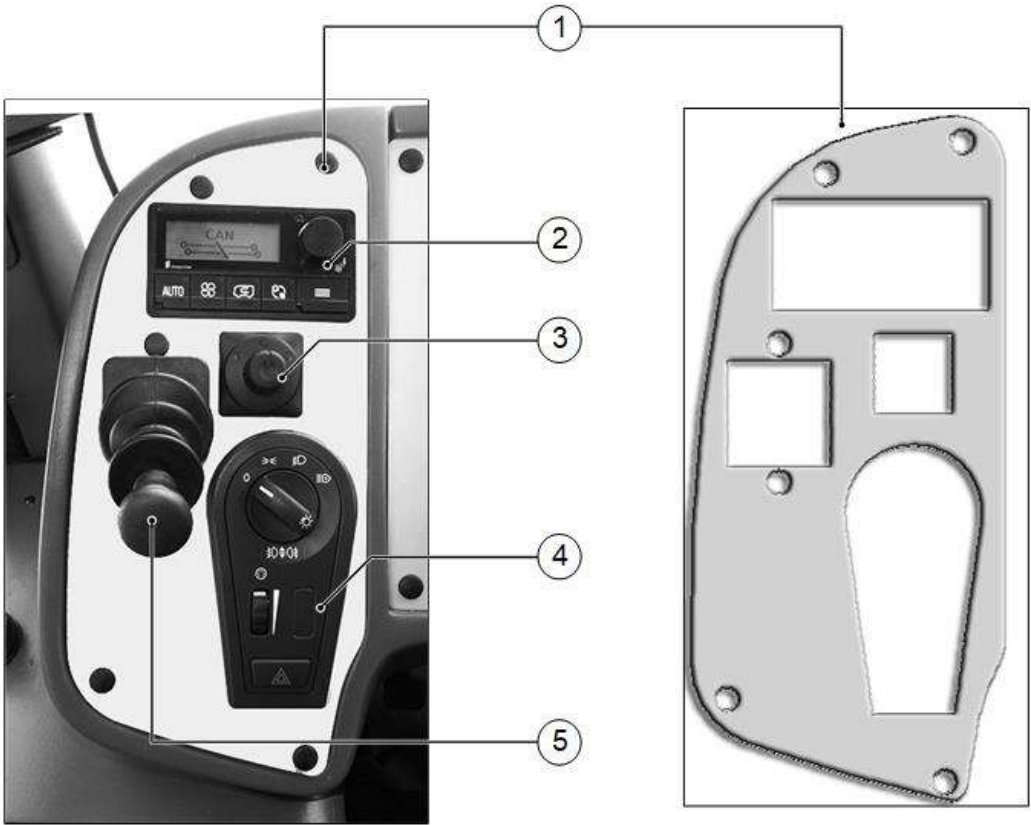
Driver Area



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Instrument board cover	V7058/95/9531			1
2	Road camera ICB.2090wr	20-000000-209000	Skantech	ICB.2090WR	1
3	Remote panel DEFA 705163	20-000000-705163	DEFA	705163	1
4	Air diffuser vent P.169 long type	57-717000-270610	PRIMA	64017	8
5	Air diffuser vent P.169 short type	57-717000-270611	PRIMA	64007	8
6	Complete dashbord panel	V3492/58/920			1
7	EMKA H77 Quarter-turn Lock 8mm	59-025253-068077	StarCool	EMKA	1
8	Driver luggage/refrigerator door	V7058/95/9534			1
9	Cover	7058/82/195	StarCool	HAM B06 06 146	1
10	Dashbord service upper cover	V7058/95/9533			1
11	Cover with grille	V7058/95/9527			1
12	Front window threshold	V7058/95/9547			1

Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 57			

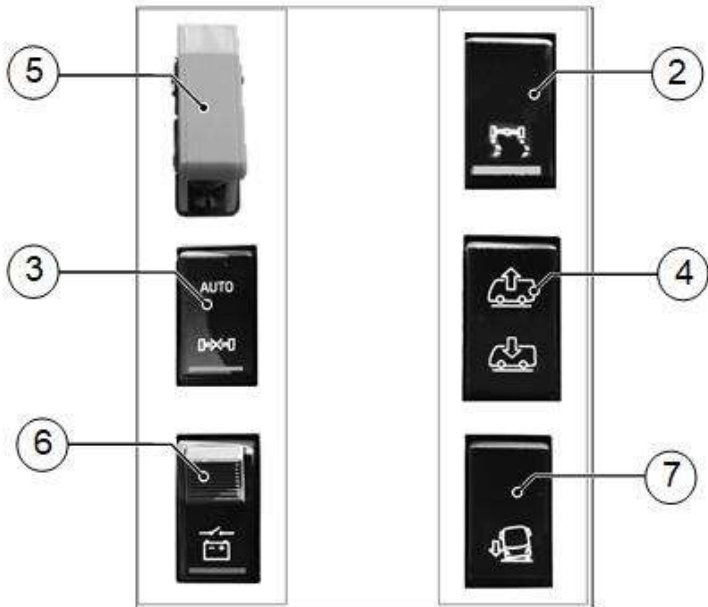
Driver Area

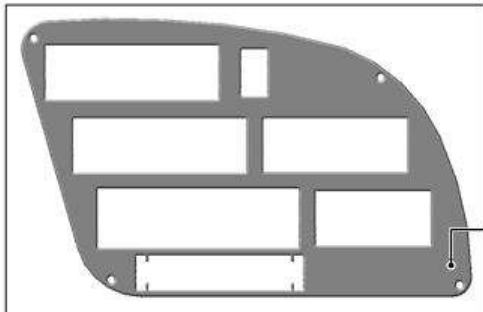


No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Left instrument board	3492/59/002			1
2	A/C control panel		Sutrak	88-50-08-00070-00	1
3	Switch for two mirrors	53-707213-200230	MEKRA	8 3200 233	1
4	Lighting switch		VOLVO	part	1
5	Parking breake		VOLVO	part	1

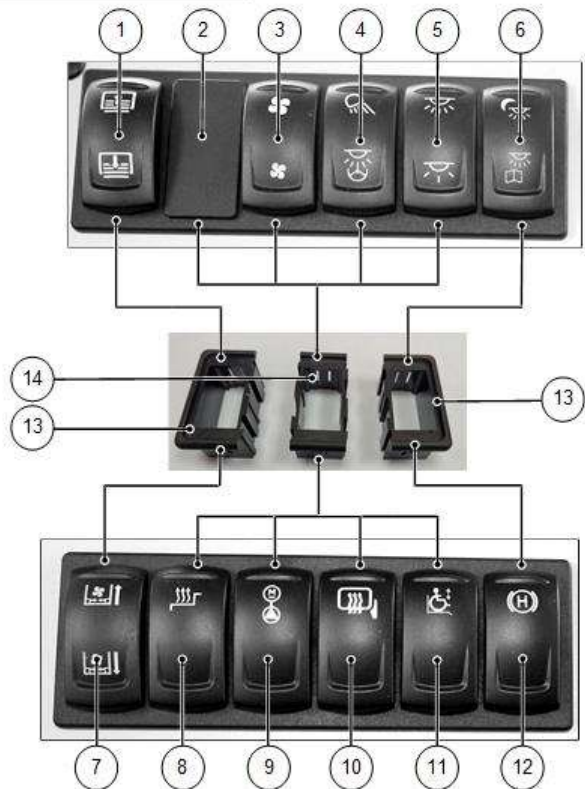
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 58			

Driver Area





15



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Switch sun curtian	20-265040-010062	ACTIA	AY40010062	1
2	Cover	20-000703-369713	Carling	VHP-01 70369713	1
3	Switch driver fan	20-265040-010063	ACTIA	AY40010063	1
4	Switch driver/ticket light	20-265040-010070	ACTIA	AY40010070	1
5	Switch interior light	20-265040-010086	ACTIA	AY40010086	1
6	Switch night/blue light	20-265040-040092	ACTIA	AY400AS92	1
7	Switch driver heater (left side)	20-265040-010064	ACTIA	AY40010064	1
8	Switch stairs heating	20-265040-040093	ACTIA	AY400AS93	1
9	Switch rear camera cleaner	20-265040-040082	ACTIA	AY400AS82	1
10	Switch mirror defroster	20-265040-040083	ACTIA	AY400AS83	1
11	Switch wheelchair lift	20-265040-040084	ACTIA	AY400AS84	1
12	Switch door break	20-265040-040085	ACTIA	AY400AS85	1
13	Holder for Switch VME panel end	20-000070-377143	Carling	536-11583- 001 70377143	4
14	Holder for Switch VME panel middle	20-000070-369711	Carling	36-11583-001 70377143	8
15	ZF panel multiflex Actia	3492/59/010			1



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	24V Double RED control lamp VLP-34100893	20-240011-669911	Carling	VLP-34100893	1
2	Toggeling switch, 0-1, 24V, 70369701	20-000070-369701	Carling	VXB2UXJB-00000-000- XVB2 70369701	1
3	Cover for door reaset switch 468-36250-001	20-000022-080871	Carling	468-36250-001	1
4	Switch 0-1, 24V	20-000000-369706	Carling	V4B2UXJB-00000-000- XVB1 70369706	1
5	Actuator ticket machine	20-000070-369762	Carling	468-30977-001 VVPZCXX-1HX-XTMV1	1
6	1-0-2 Toggling UP/DOWN Emergency light	20-000070-000211	Carling	VXB2UPPB-PZSXX- 1XX-XP11	1
7	Cover	20-000703-369713	Carling	VHP-01 70369713	2
8	Switch 0-1, 24V	20-000000-369706	Carling	V4B2UXJB-00000-000- XVB1 70369706	1
9	Actuator reverse light	20-000070-000011	Carling	VVPZCXX- 1RU-XRLG1	1
10	Toggeling switch, 0-1, 24V, 70369701	20-000070-369701	Carling	VXB2UXJB-00000-000- XVB2 70369701	1
11	Actuator Backup Alarm Off 468- 35274-001	20-000017-217289	Carling	468-35274-001	1
12	SWITCH_ 0-1, 24V	20-000000-369700	Carling	DB2UXJB-00000-000- XVB1 70369700	1
13	Cover for switch loudspeaker	20-000703-369755	Carling	VPZCXX-1XX-XLE1 70369776	1
14	Holder for Switch VME panel end	20-000070-377143	Carling	536-11583-001 70377143	4
15	Holder for Switch VME panel middle	20-000070-369711	Carling	36-11583-001 70377143	5

Interior		MARS INTERCITY BUS VOLVO B8R chassis	
Front			
Draw. No. 61			

Driver Area

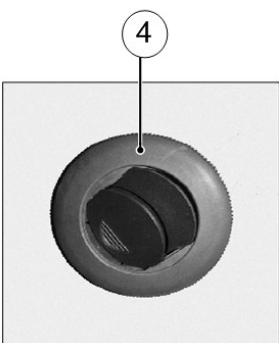
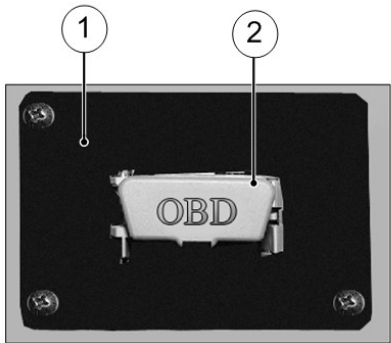
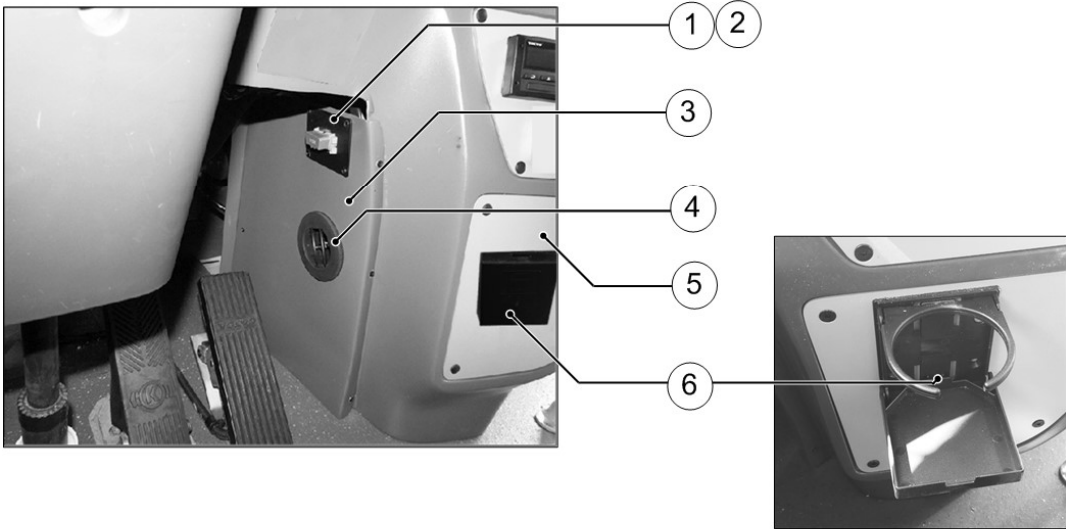


Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 62			
		Driver Area	

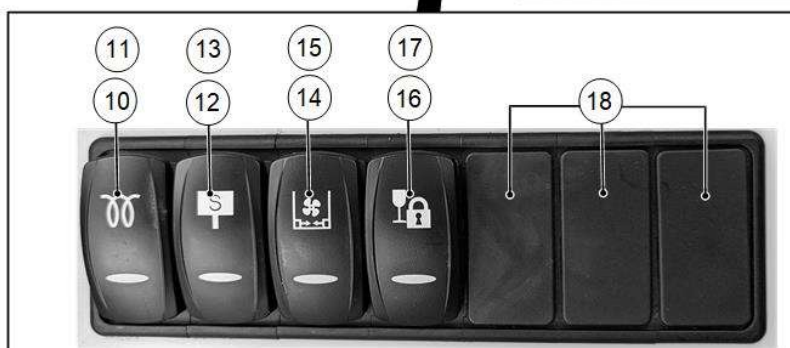
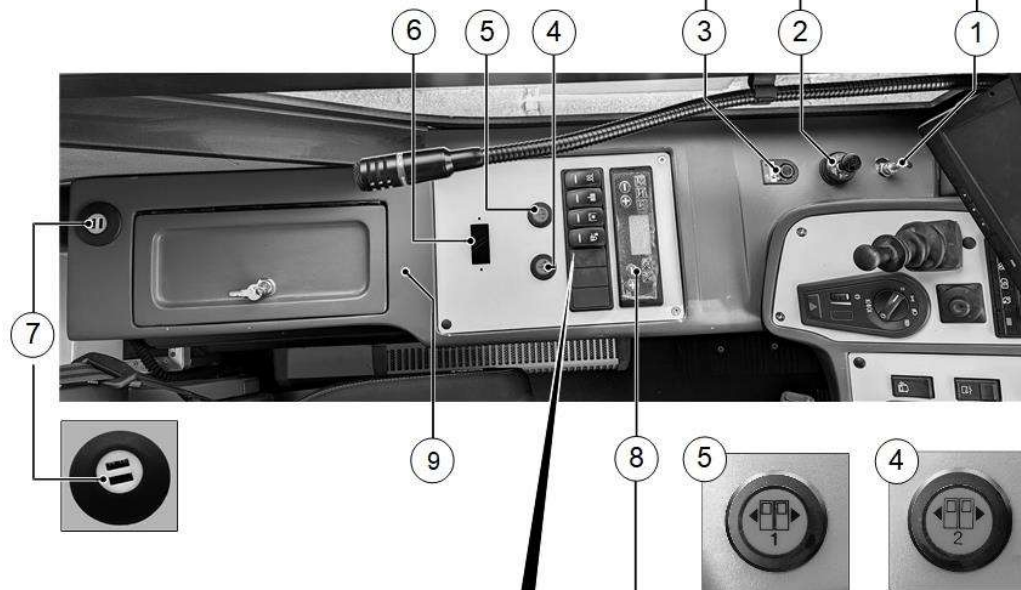
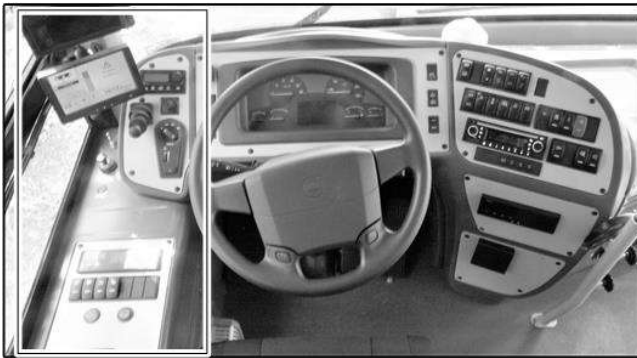


Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 63			

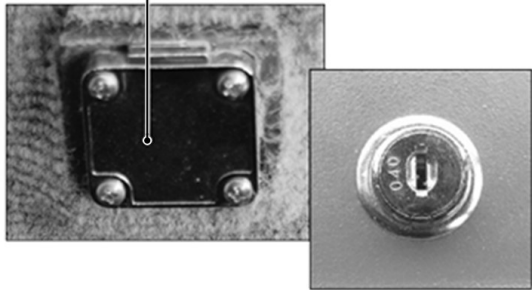
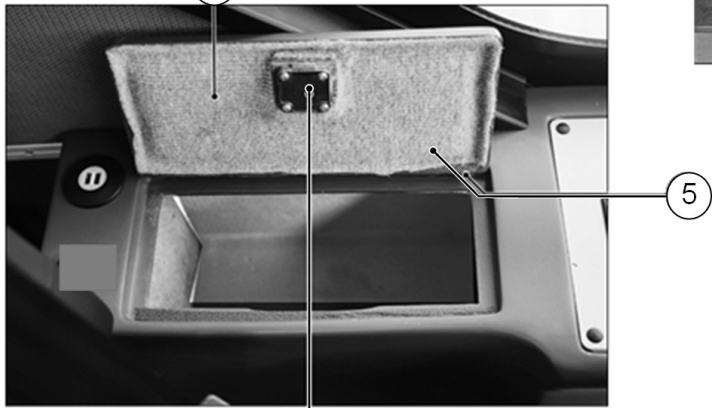
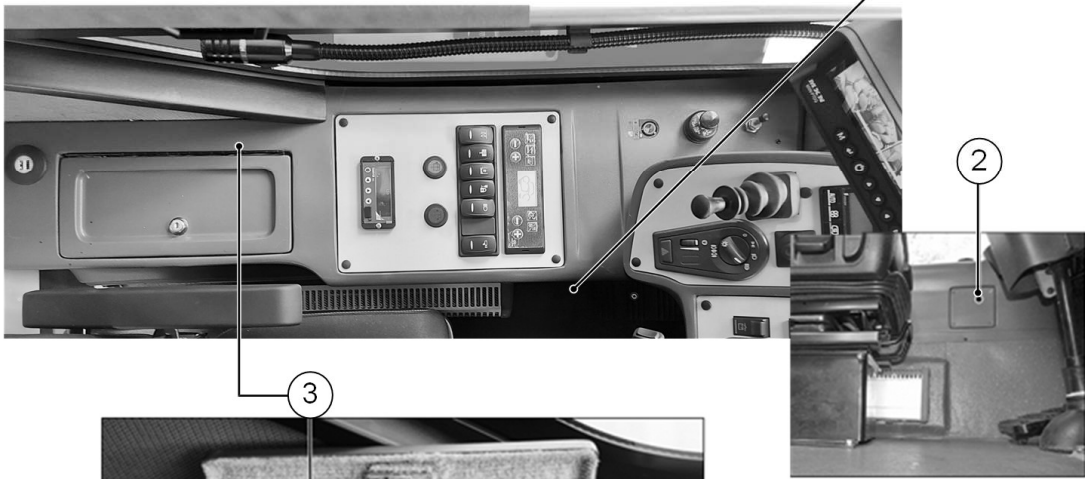
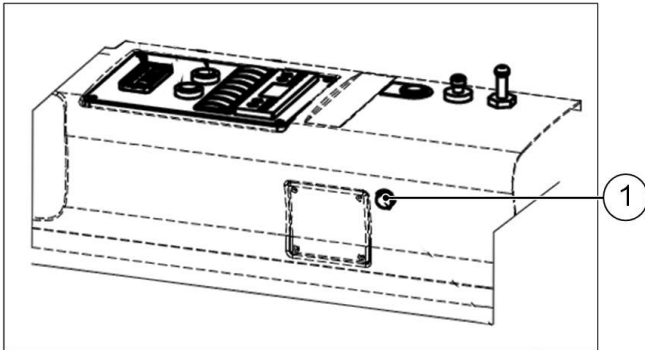
Driver Area



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	OBD panel	7059/92/008	VOLVO	part	1
2	OBD plug				1
3	Side low panel	V7058/95/9536	AURORA	334-2200007	1
4	Air louver	55-728000-750131			1
5	Center low panel	V3492/59/911			1
6	Cup holder	54-750804-503072			1

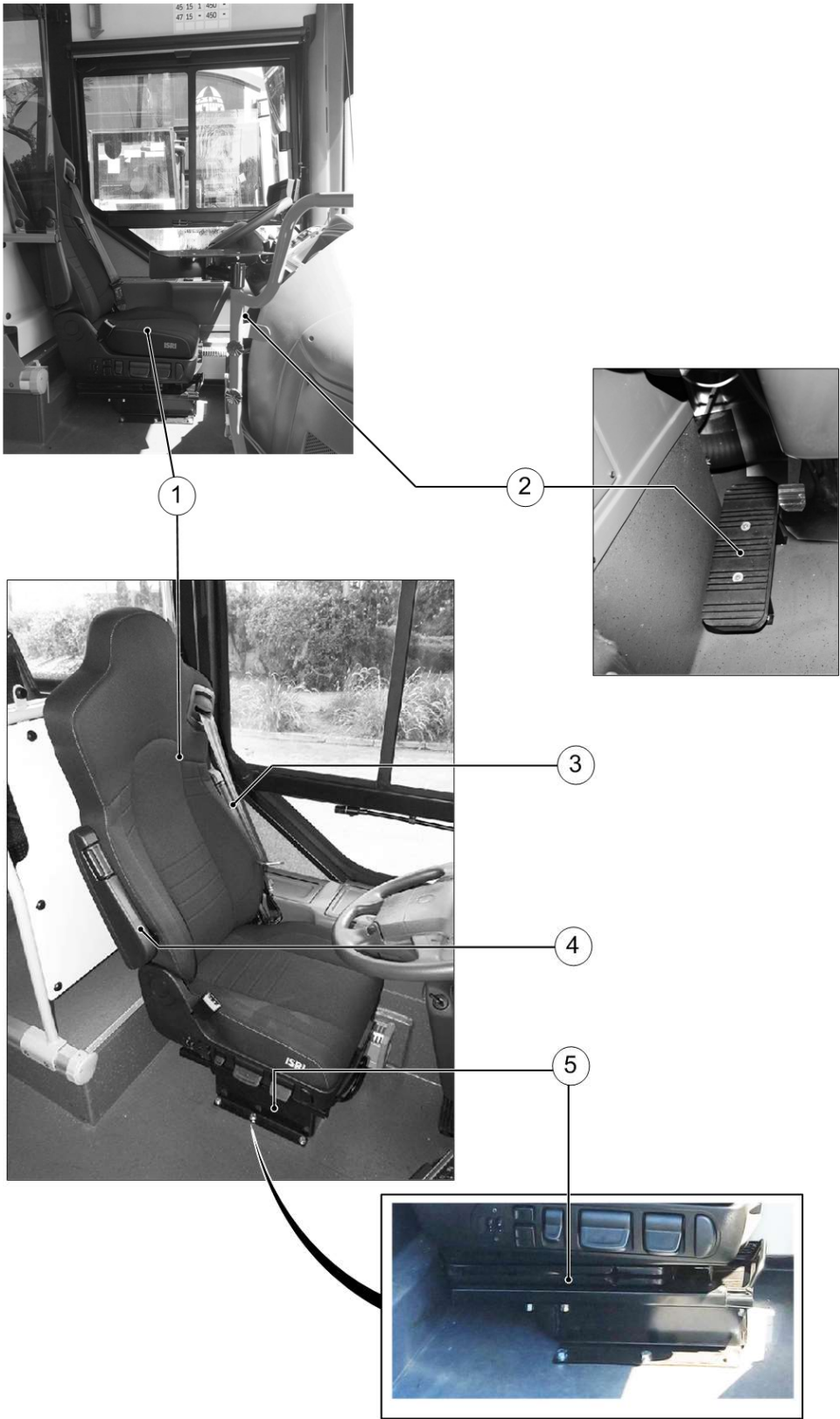


No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Releasing maxi brake		Volvo		1
2	Blocking valve		Volvo		1
3	Fogmaker test knob	54-709060-006507	Fogmaker		1
4	Door 1 push button	20-081255-036239	EAO		1
5	Door 2 push button	20-081255-036240	EAO		1
6	Preparation for HDS MDVR Control Panel				
7	Power socket USB	20-000000-122422	SANEL	SUC2BLUE , 12/24V	1
8	Control Unit Smart Comfort Heating	57-717807-600176	Sanz Clima	7.807.600.176	1
9	Left instrument panel	V3492/58/913			1
10	Actuator pre-heat	20-000070-000457	Carlimg	VVPZCYD-1RU-XDPH1	1
11	SWITCH 0-1, 24V	20-000000-369706	Carlimg	V4B2UXJB-00000-000-XVB1 70369706	1
12	Cover for switch next stop	20-000703-369757	Carlimg	VVPZCXX-1XX-XNS1 70369741	1
13	SWITCH 0-1, 24V	20-000000-369706	Carlimg	V4B2UXJB-00000-000-XVB1 70369706	1
14	Cover for switch Passenger heating fan	20-000703-369752	Carlimg	VVPZCXX-1XX-XHF1 70369777	1
15	Switch, 2-0-1, 24V	20-000000-369705	Carlimg	VJB2UXJB-00000-000-XVB1 70369705	1
16	Actuator cover Alcolock 001	20-000021-361015	Carlimg	468-33733-001	1
17	Toggeling Switch, 0-1, 24V	20-000070-369701	Carlimg	VXB2UXJB-00000-000-XVB2 70369701	1
18	Cover	57-717011-138888	Carlimg	11138888-A-02	3



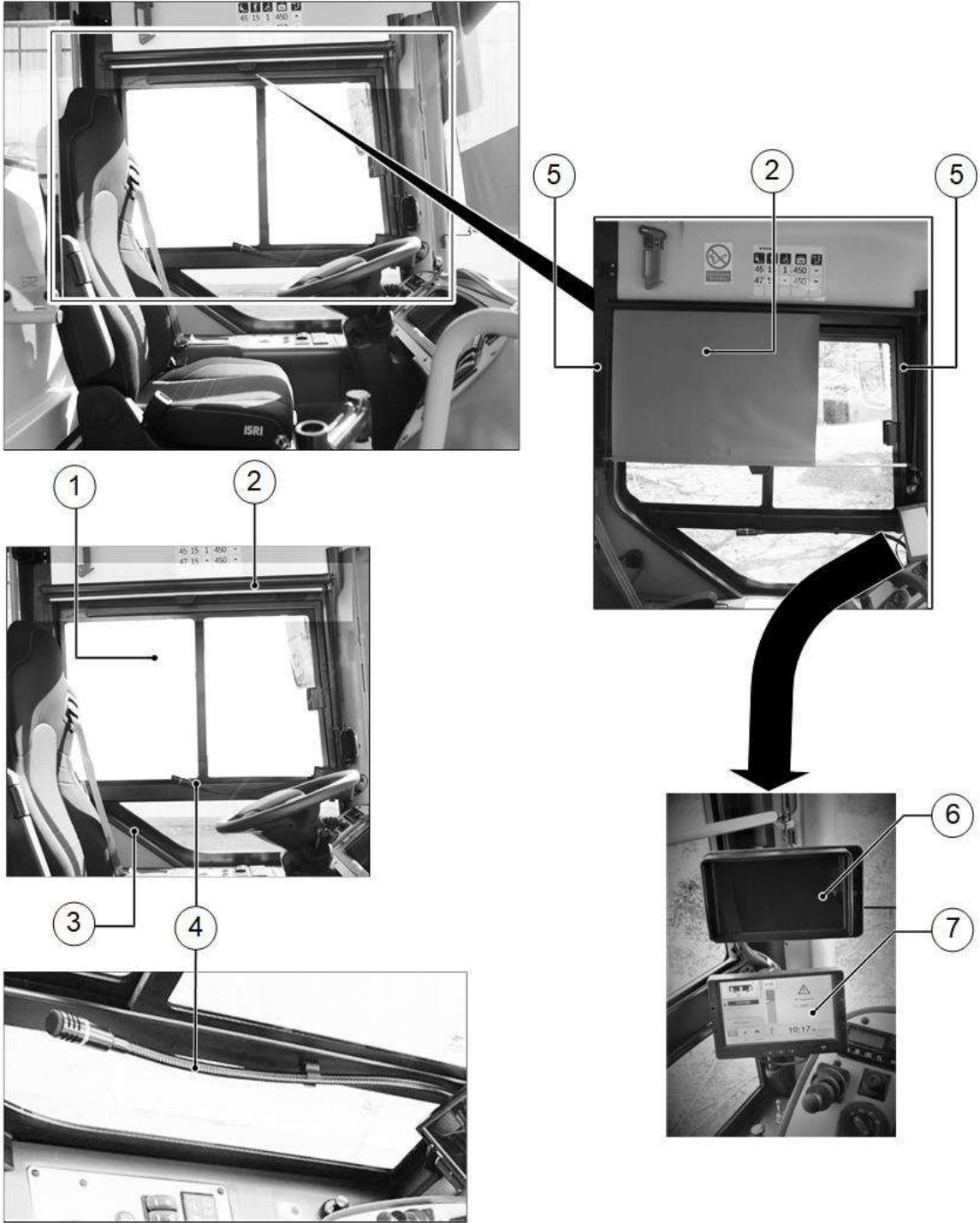
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 66			

Driver Area



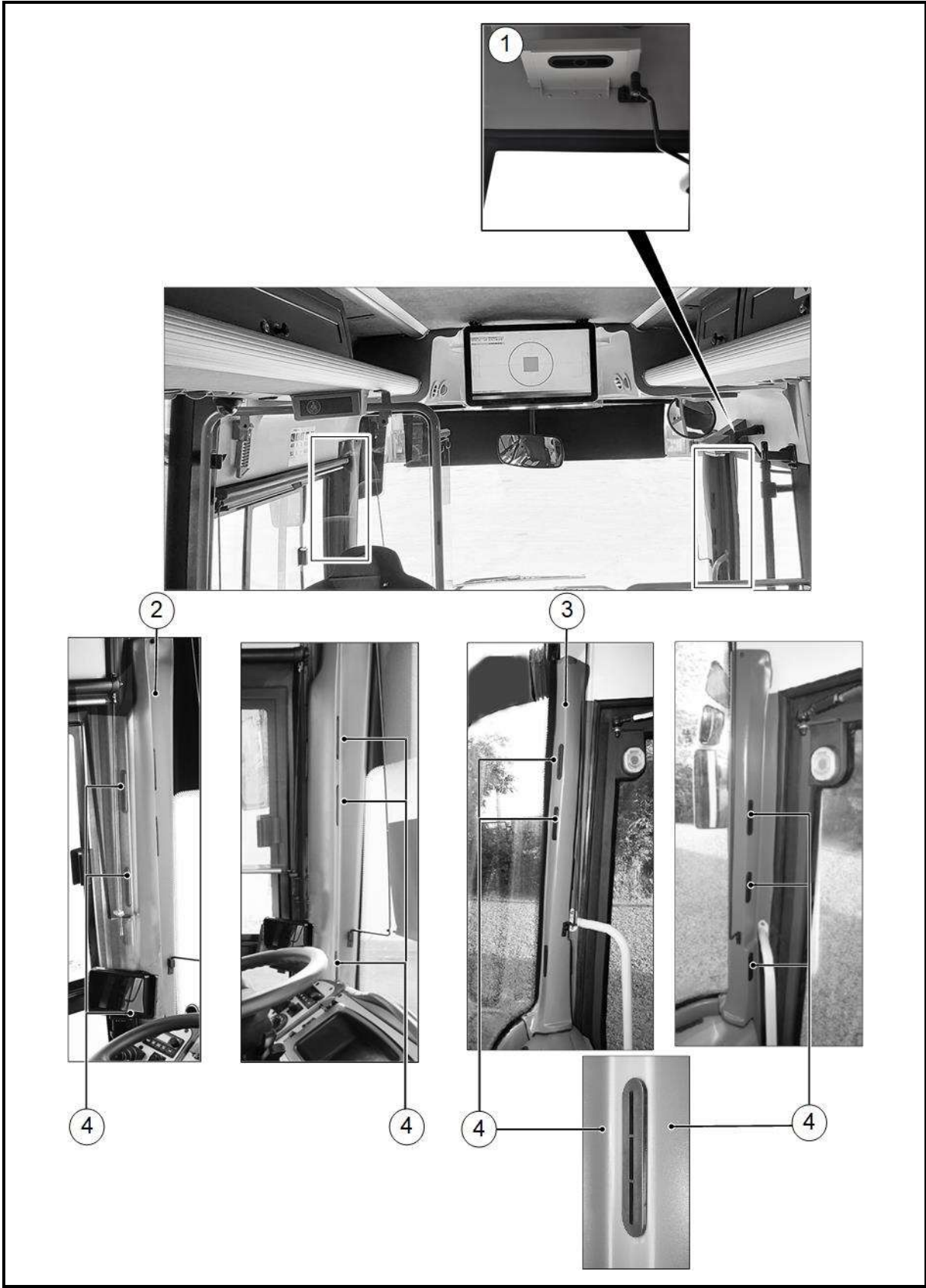
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 67			

Driver Area



Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 68			

Driver Area



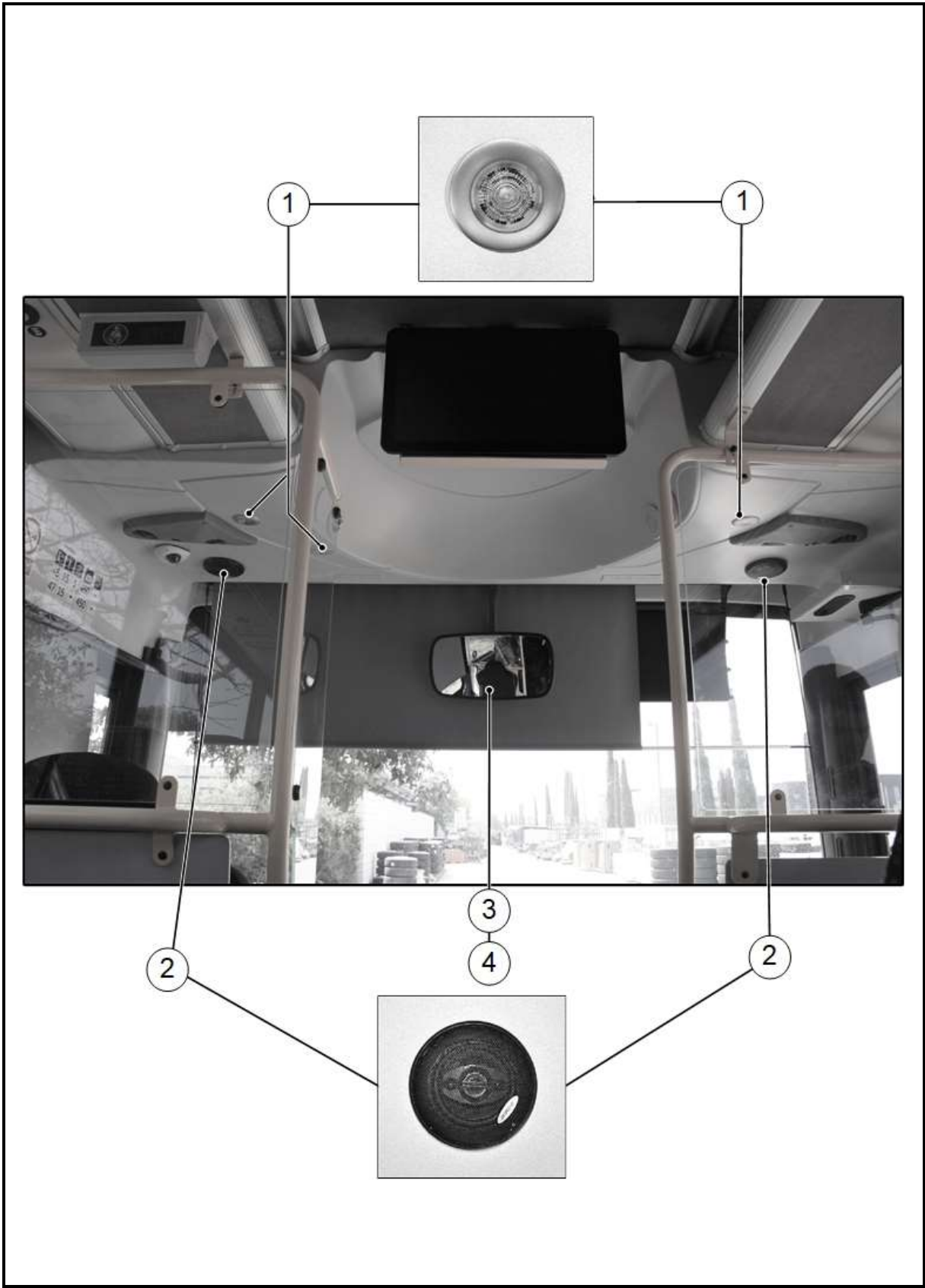
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 69			

Driver Area



Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 70			

Driver Area



Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 71			

Driver Area



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Gaudes air outlet right	7060/85/015			1
2	Round air louver	55-728000-003312	Supergum	air jet 38101827	6
3	Air Diffuser, Fixed, Light Grey, Prima	55-728000-000009	PRIMA	P.123	2
4	Driver air outlet left	7060/85/014			1
5	Grey ROUND-air diffuser RD NCS S2500-N	55-728431-200036	AURORA	334-220-0036	4

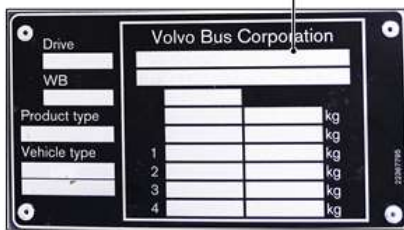
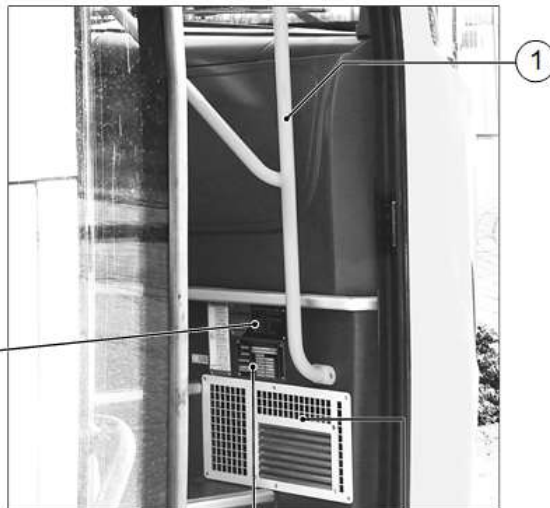
Interior	 MARS INTERCITY BUS VOLVO B8R chassis	 MERKAVIM Merkavim Transportation Technologies Ltd.
Front		
Draw. No. 72		

Driver Area



Driver Area

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	LAM Front El. Curtain Mesh+Sealed fabric	52-000174-002009	LAM		1
2	Front curtain guide Set	7052/82/207			2

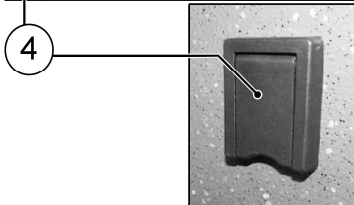
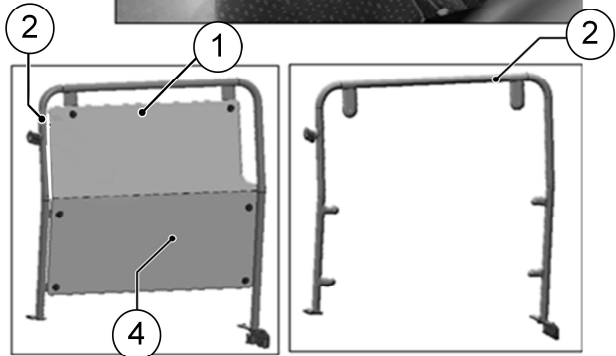
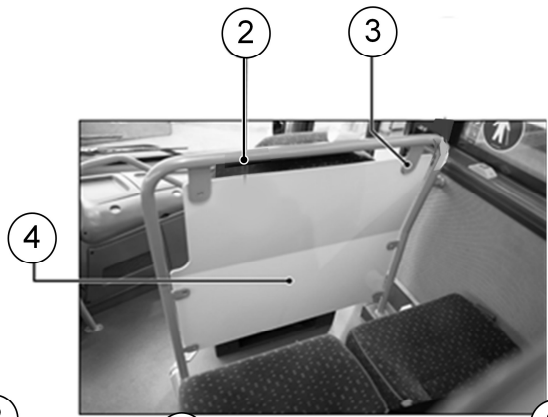


Front Entrance

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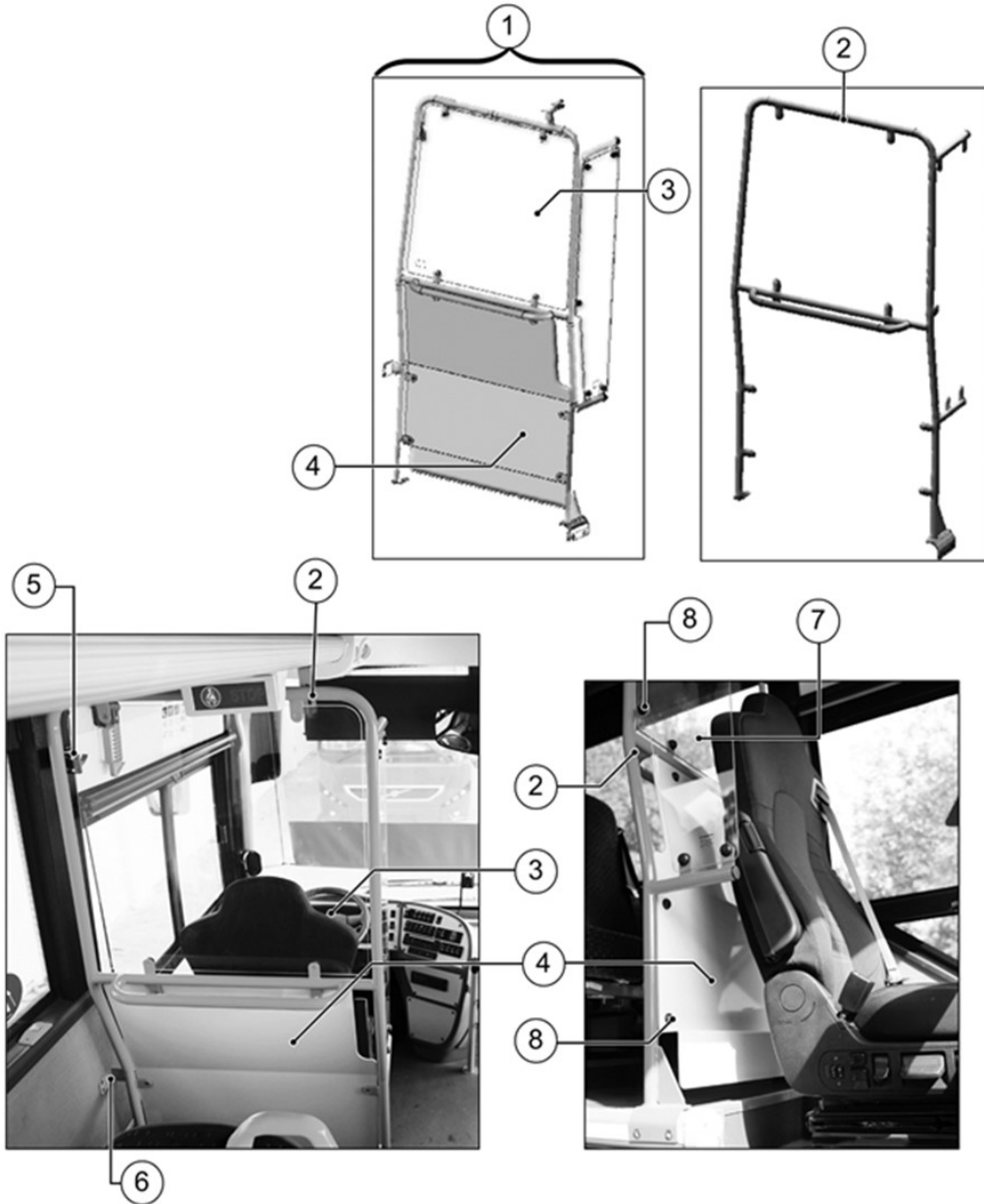
Interior		MARS INTERCITY BUS VOLVO B8R chassis	
Front			
Draw. No. 74			

Front Entrance



Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 75			

Front Entrance

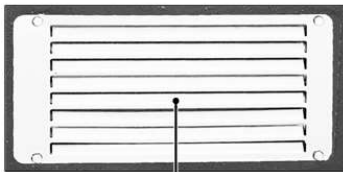


Front Entrance

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Complete partition behind driver	V3492/31/939			1
2	Partition frame behind driver	V3492/31/930			1
3	Partition glass behind driver	3492/31/039			1
4	Partition panel behind driver	3492/31/040			1
5	Upper partition support	3492/31/053			1
6	Lower partition support	3492/31/055			1
7	Side partition glass	3492/31/143			1
8	Partition nut	20-081906-850136			14

Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 76			

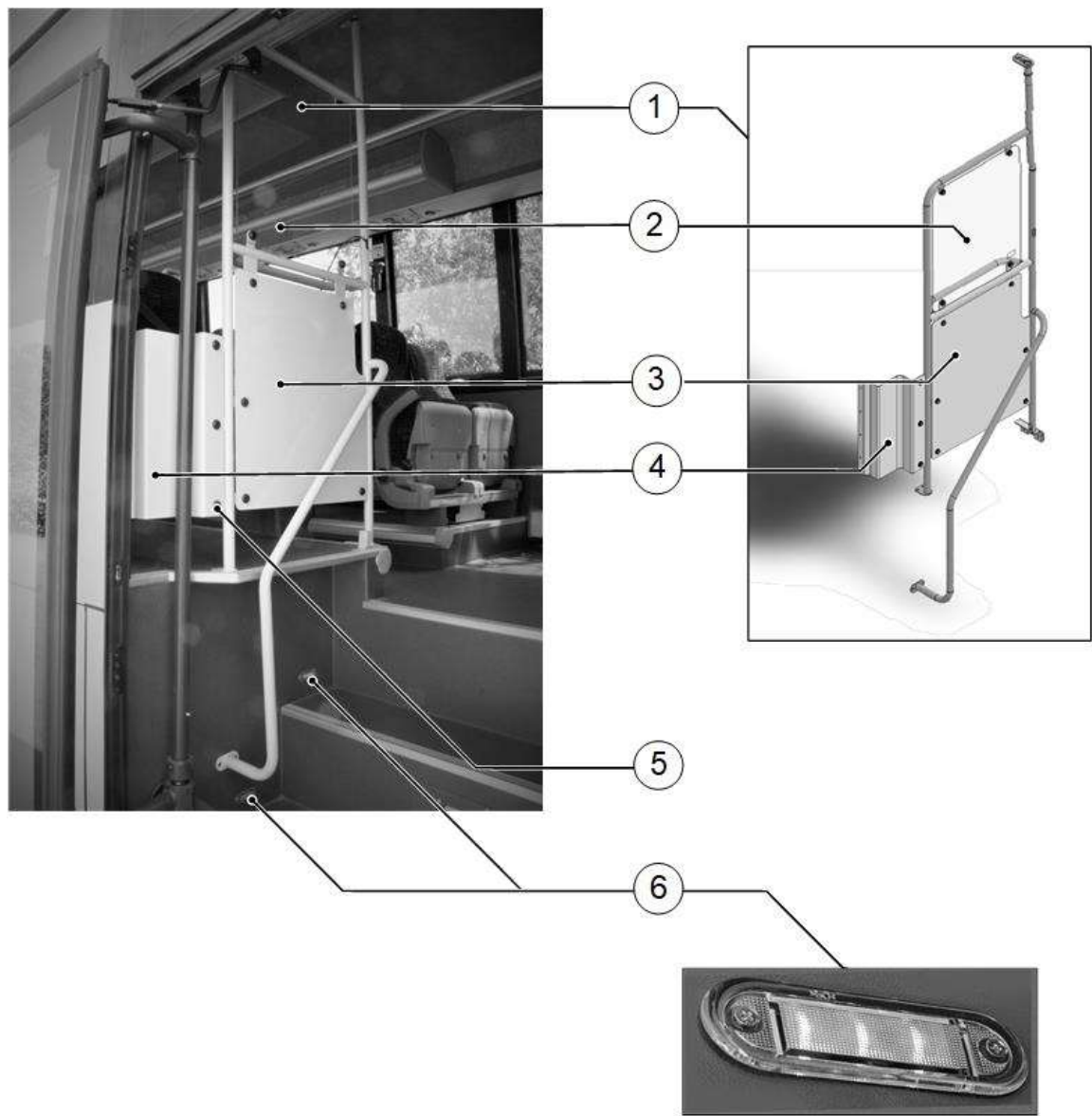
Rear Entrance



No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Rear entrance handrail	V3492/31/917			1
2	Wander lead 2 buttons E Contact		DHOLLANDIA	E0783.CH2	1
3	Bus aisle light, blue LED, 24VDC ERA BAL	20-254000-000101	ERA	BAL 203.B	3
4	Wheelchair lift	54-470001-020305	DHOLLANDIA	102.03.05	1
5	Aerotherme step heater Pedro Sanz	57-718303-120917	Sanz Clima	8.303.121.860	1

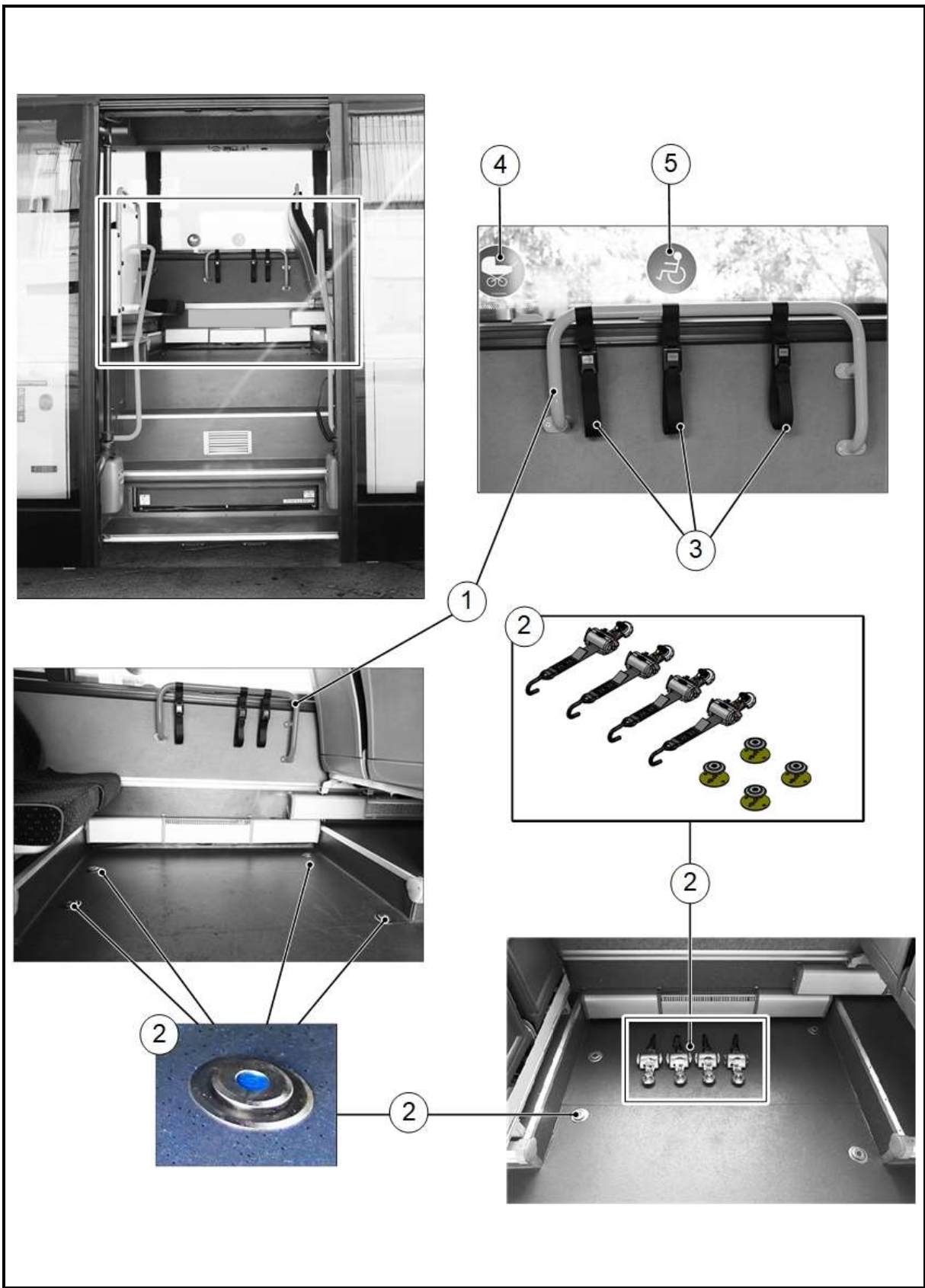
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 77			

Rear Entrance



Rear Entrance

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Complete paritation rear door	V3492/31/927			1
2	Paritation glass	3492/31/069			1
3	Partition panel rear door	3492/31/077			1
4	Partition support	3492/31/042			1
5	Partition nut	20-081906-850136			9
6	Bus aisle light, blue LED	20-254000-000101	ERA	BAL 203.B	3

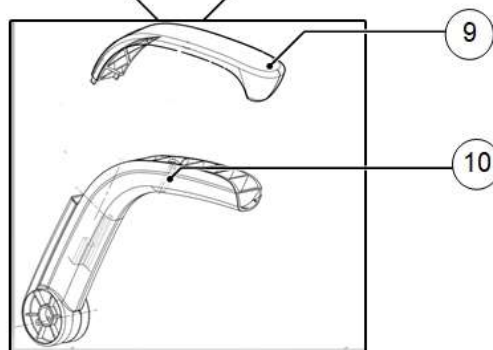
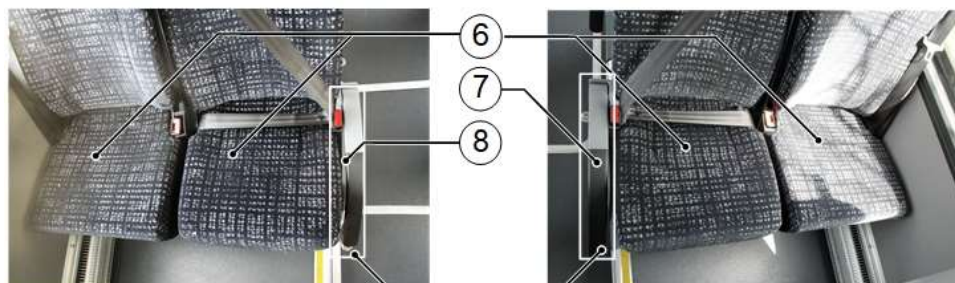
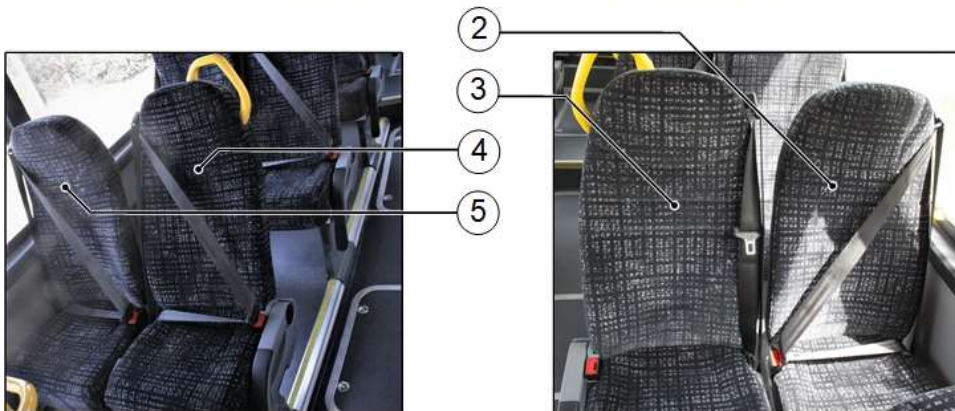


Wheelchair Area

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Handrail at wheelchair area	V3492/31/913			1
2	Set 4 slide click + 4 floor anchors	58-773000-009062	Q'Straint	Q8-7580-A	1
3	Set 3 Seat belt 70355746*23789089	58-773023-789089	OY KLIPPAN AB	15303050	3
4	Decal - baby carriage	53-750716-000302			1
5	Decal – wheelchair	53-750716-000301			1

Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 79			

Passenger Seats

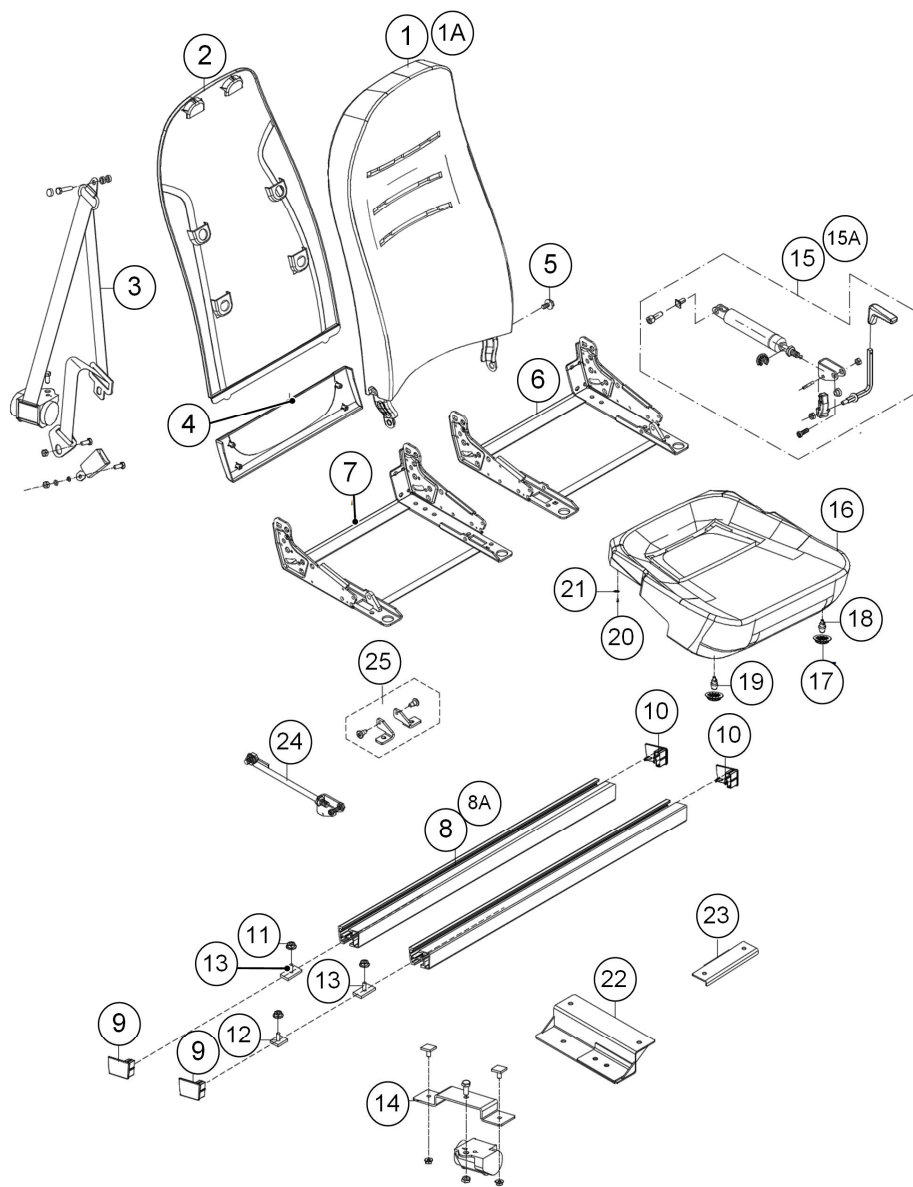


Passenger Seats

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Set, pass. seat 45+2, 2 isofix, 2 sitsaf create 80	V3492/25/904	Brusa		1
2	Backrest driver side left	53-000000-307280	Brusa	307280	11
3	Backrest driver side right	53-000000-307279	Brusa	307279	11
4	Backrest door side left	53-000000-307300	Brusa	307300	11
5	Backrest door side right	53-000000-307301	Brusa	307301	11
6	Cushoin	53-000000-307281	Brusa	307281	45
7	Armrest group RAL 7012 driver side	53-000000-307291	Brusa	307291	11
8	Armrest group RAL 7012 door side	53-000000-307290	Brusa	307290	11
9	Arm rest cover RAL 9005	53-000000-429068	Brusa	429068	22
10	Arm rest handle RAL 7012	53-000000-429062	Brusa	429062	22

Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 80			

Passenger Seats

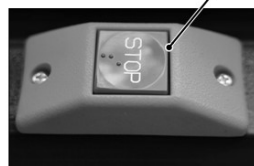
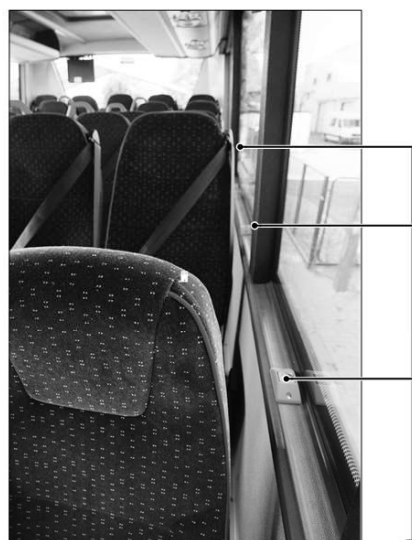
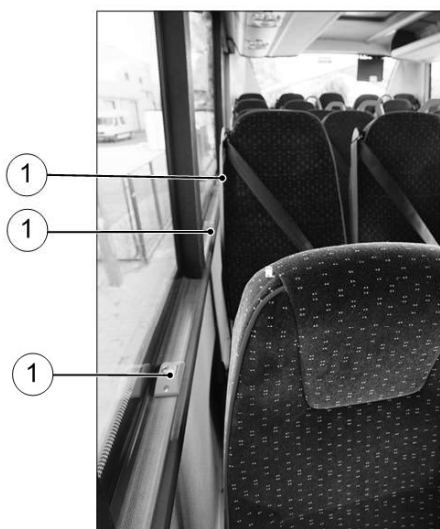


Passenger Seats

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Backrest foam, Left, Create 80, Mars N	53-000000-000005	Brusa	431 025.SP	
1A	Backrest foam, Right, Create 80, Mars N	53-000000-000006	Brusa	431 026.SP	
2	Backrest, Cover ,RAL 7012 Create 80,Mars N		Brusa		
3	Safety Belt,3P, Set ,Create 80,Mars N	53-000000-000008	Brusa	608 225.SP	
4	Cover ,Plastic ,Lower,RAL7012 Create 80,Mars N	53-000000-000009	Brusa	605 667.SP	
5	Cap, Bolt M8x16 8.8,100ea,CREATE 80,mars N	53-000000-000010	Brusa	200 021K.SP	
6	Seat Frame, Left, Create 80, Mars N	53-000000-000011	Brusa	425 588.SP	
7	Seat Frame, Right, Create 80 ,Mars N	53-000000-000012	Brusa	425 589.SP	
8	Aluminium Profile 855mm Create 80,Mars N	53-000000-000013	Brusa	422 144.SP	
8A	Aluminium Profile 1325mm,Create 80,Mars N	53-000000-000014	Brusa	402 185.SP	
9	Al Profile,Cover Right Black Door Lock Guard P.144 Mars N	53-000000-000015	Brusa	502 639.SP	
10	Al Profile ,Cover,Left, RAL	53-000000-000016	Brusa	502 640.SP	
11	Cap ,Nut M8,DIN6923,100ea, CREATE 80 ,mars N	53-000000-000017	Brusa	200 098.SP	
12	Sliding Block h:33,100ea, CREATE 80,mars N	53-000000-000018	Brusa	402 495.SP	
13	Sliding Block h:32,100ea, CREATE 80 ,mars N	53-000000-000019	Brusa	402 154.SP	
14	Connection Part, Safety B, Create 80,Mars N	53-000000-000020	Brusa	429 774.SP	
15	Reclining Set Backrest, LeCreate 80,Mars N		Brusa		
15A	Reclining Set Backrest, RiCreate 80,Mars N		Brusa		
16	Cushion Foam, Seat, Create 80, Mars N	53-000000-000023	Brusa	425 399.SP	
17	Quickfix,100ea, CREATE 80,mars N	53-000000-000024	Brusa	400 323.SP	
18	Screw4.8x38 DIN7981100ea CREATE 80 mars N	53-000000-000025	Brusa	200 023.SP	
19	Fastening Plastic, Create 80, Mars N	53-000000-000026	Brusa	403 714.SP	
20	Scrw4.8x16 DIN79811000ea CREATE 80 mars N	53-000000-000027	Brusa	200011K	
21	Compasting sheet ,Create 80,Mars N	53-000000-000028	Brusa	400 324.SP	
22	Base Connection group SetCreate 80,MarsN	53-000000-000029	Brusa	439 061.SP	
26	Connection Sheet Metal Create 80,Mars N	53-000000-000030	Brusa	429 013.SP	
24	Backrest Fixing Group, A ,Create 80,Mars N	53-000000-000031	Brusa	600 166.SP	
25	Backrest Fixing Group, B ,Create 80,Mars N	53-000000-000032	Brusa	610 390.SP	

Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 81			

Stop passenger buttons

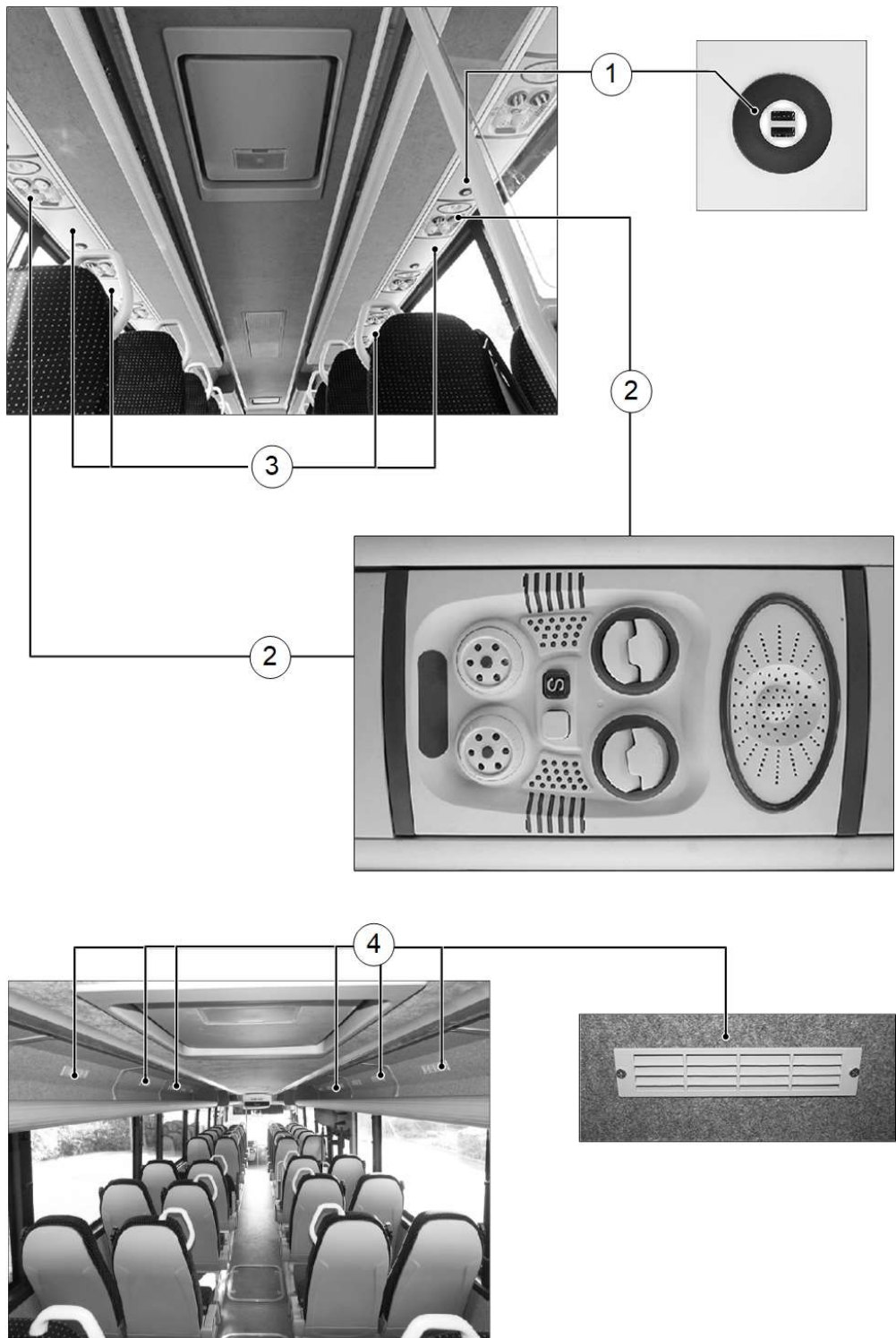


Stop passenger buttons

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Bell push button, flat mounting, brail, STOP, 5710622	20-262435-710623	HAPPICH	5710623	23
2	Blue ring signal button	20-256000-000004	CAPTRON	CHT4-272W-70/TG-S	1

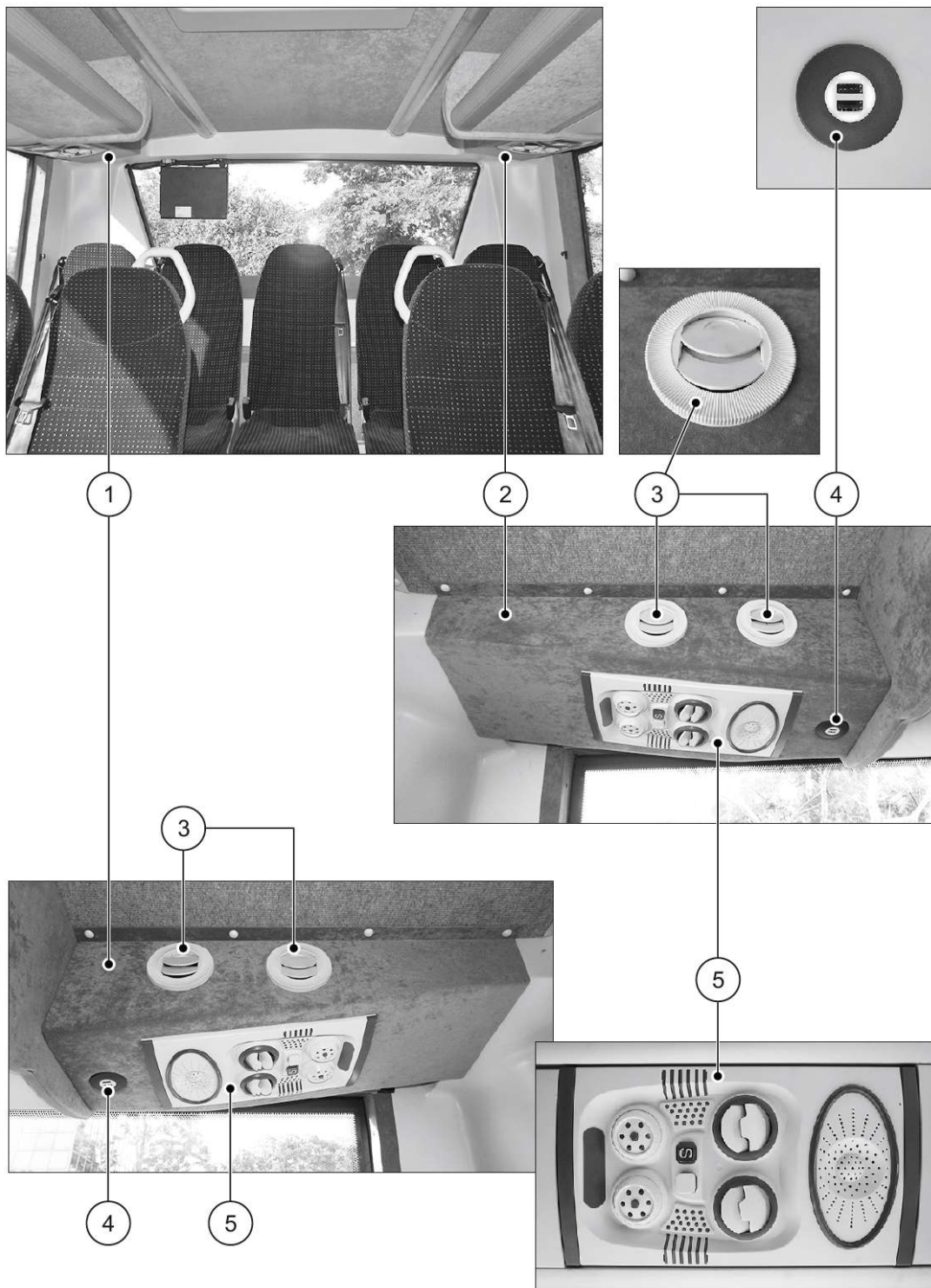
Interior		MARS INTERCITY BUS VOLVO B8R chassis	
Passenger Compartment			
Draw. No. 82			

A/C duct + luggage rack



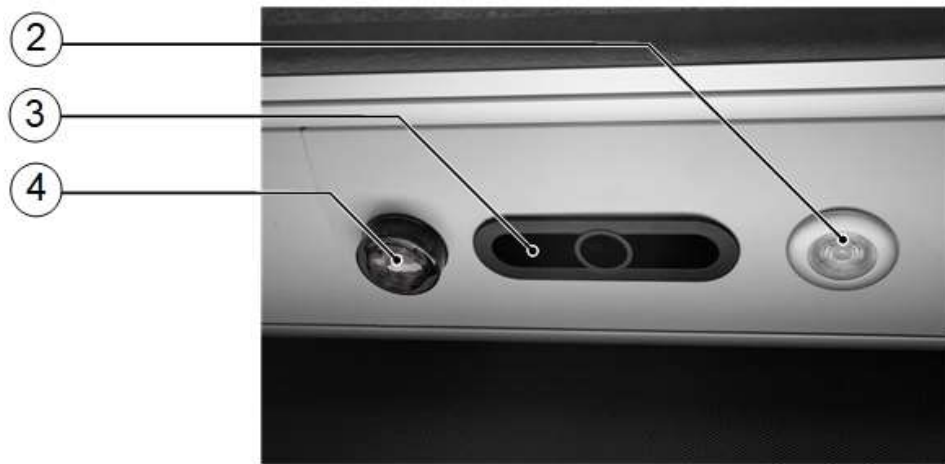
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 83			

A/C duct + luggage rack



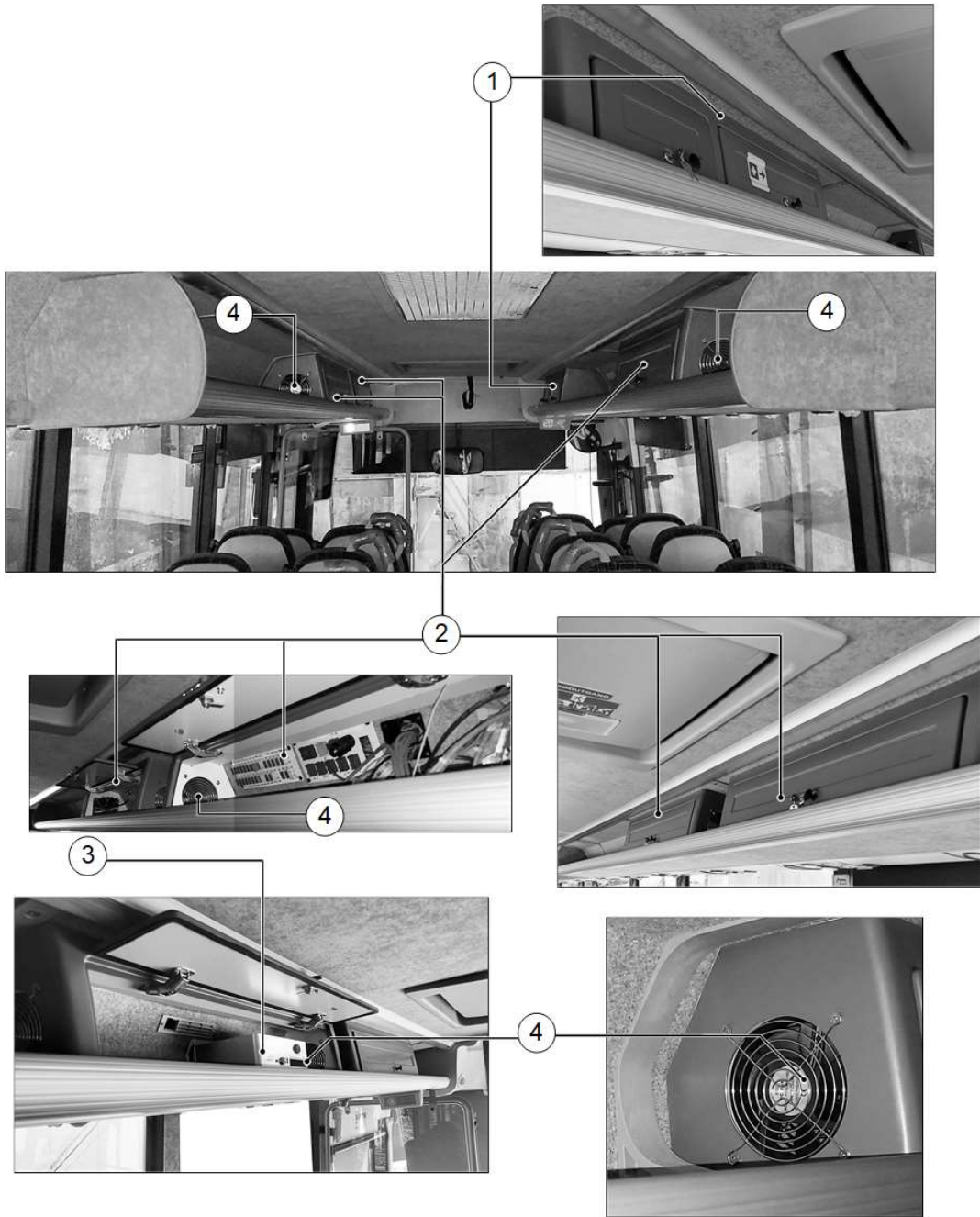
A/C duct + luggage rack

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Right end A/C duct	V3492/15/912			1
2	Left end A/C duct	V3492/15/911			1
3	Grey round-air diffuser	55-728431-200036	AURORA	334-220-0036	4
4	Power socket USB	20-000000-122422	SANEL	SUC 2 Blue	2
5	Multiset, W/O Speaker, Mars Norway	55-099063-000112	ELLAMP - AURA	P990840001A 12	2



Rear door area area

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	TPPC 2201 21.5" CON-008-0013	20-000000-080013	CONSAT	CON-008-0013	1
2	LED Spot, brushed Silver, Frensch FR8204	20-000280-190000	FRENSCH	FR 8204	1
3	APC sensor IRMA 6 Door 2	20-000000-070005	CONSAT	CON-007-0005	1
4	Red led light LB902	20-001224-000902	LB	902 LED	1



Roof Accessories



1

4

5



2

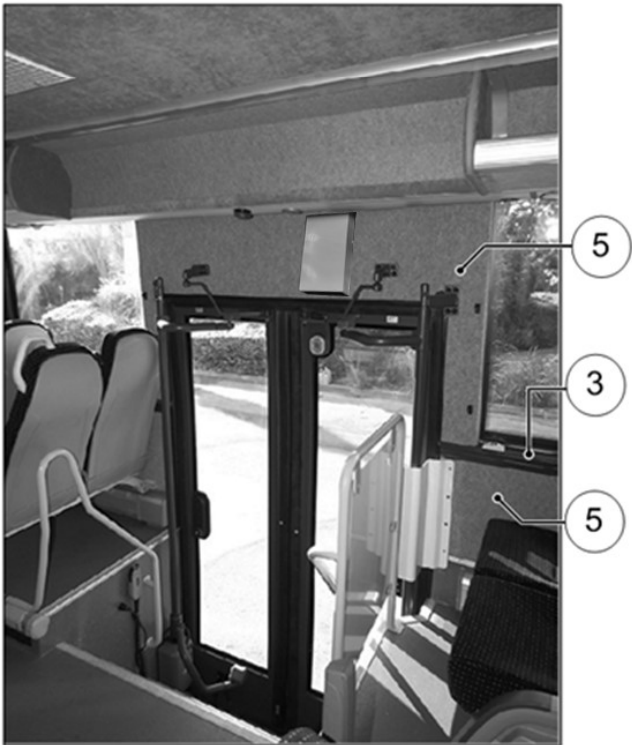
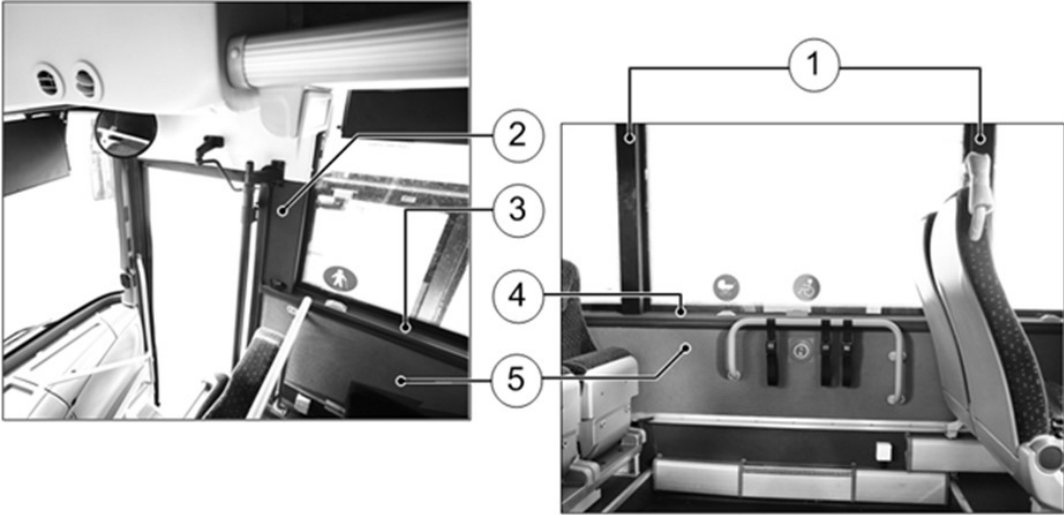


3



Roof Accessories

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Grill cover for air circulation	V7015/92/926			1
2	Recycle air filter for AC353-350 G5	57-726507-860002			1
3	Air grill stopper bolt	59-106150-000005			2
4	Roof padding cloth	54-505182-000519	VITTORIO	Col.519	4
5	Emerg. hatch eleon T60, R7000 For Mars	55-724086-100361	ELEON	T60 R7000	1

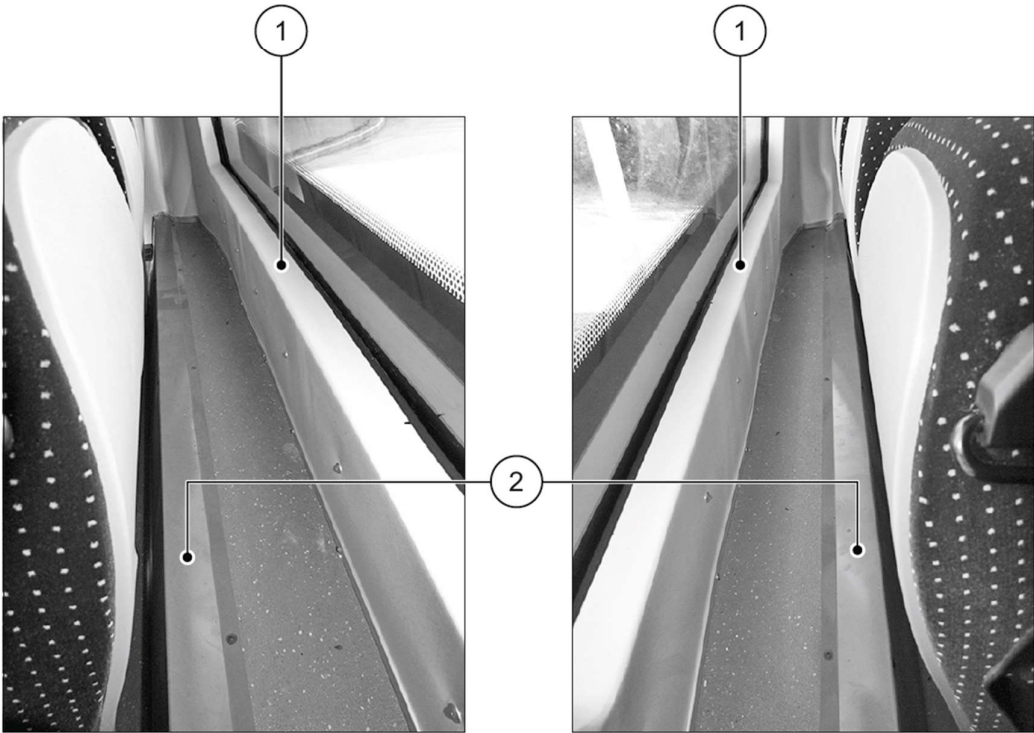


Side and Rear Covering

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Side window pillar cover	7030/85/118			10
2	Front right window pillar cover	7030/85/121			1
3	Window lower cover door side	7060/85/008			1
4	Window lower cover driver side	7060/85/029			1
5	Upholstery fabric, light grey platin	62-125100-001072		C.Y.E	

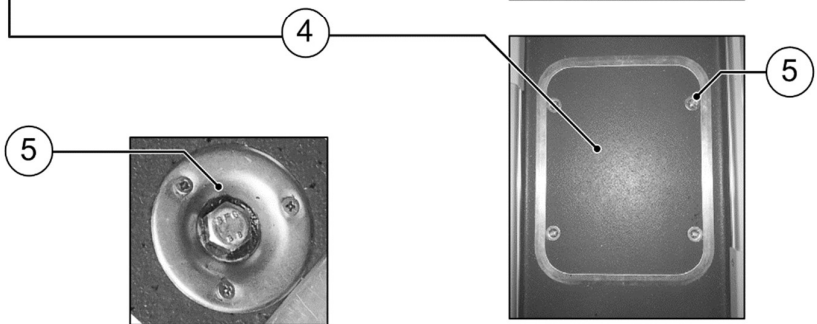
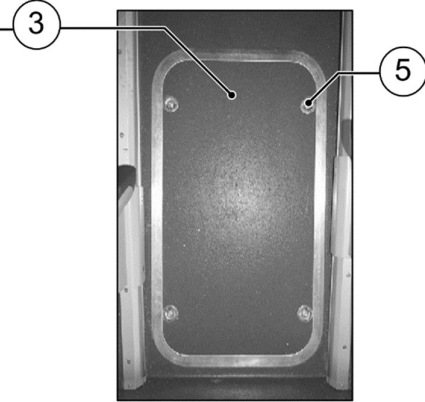
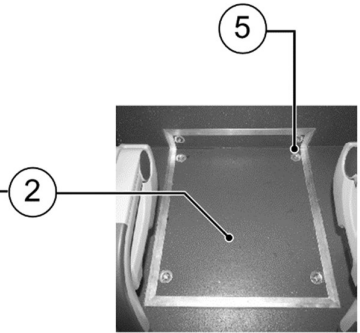
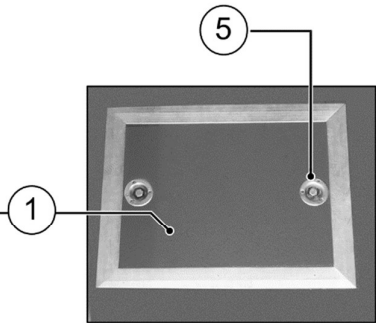
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 88			

Side and Rear Covering



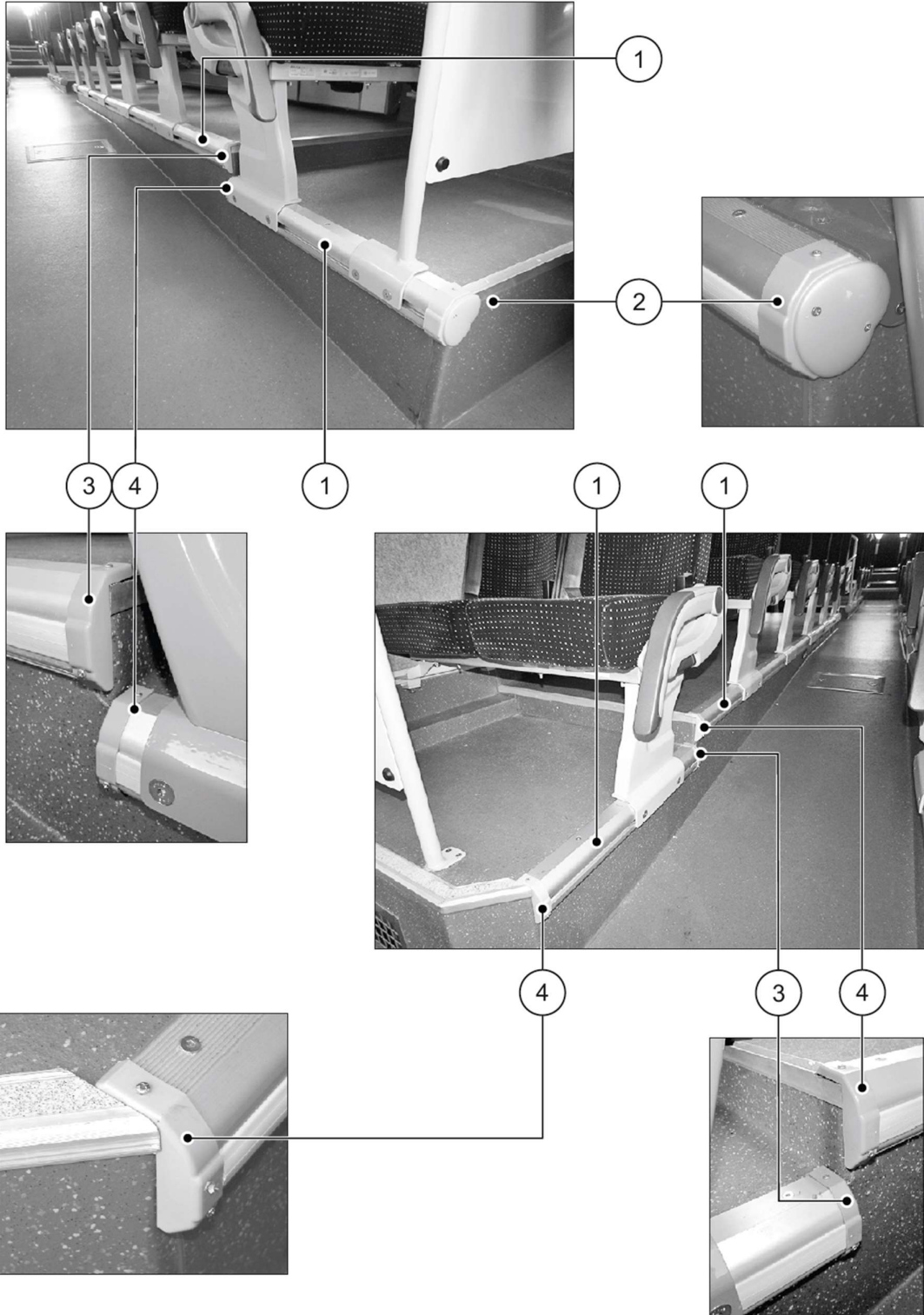
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 89			

Floor



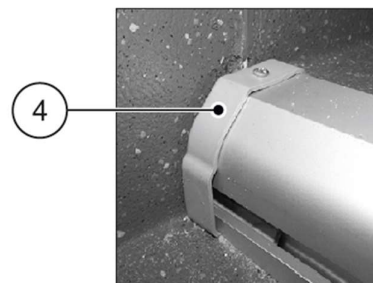
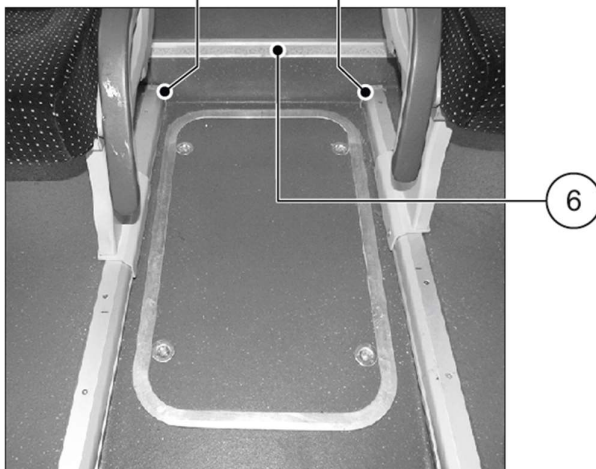
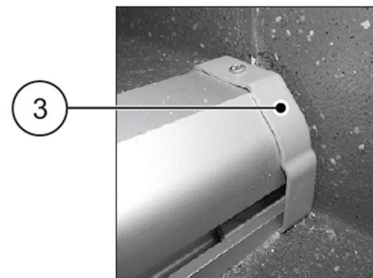
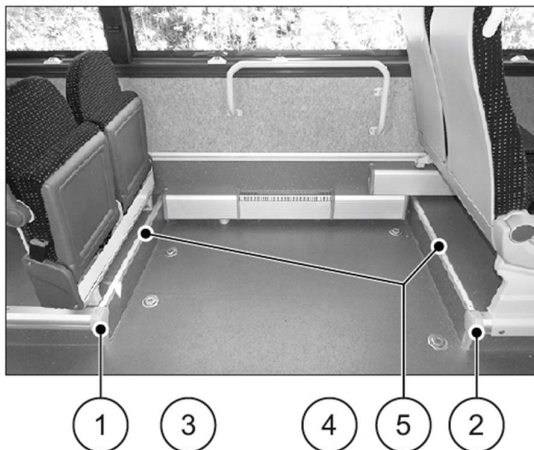
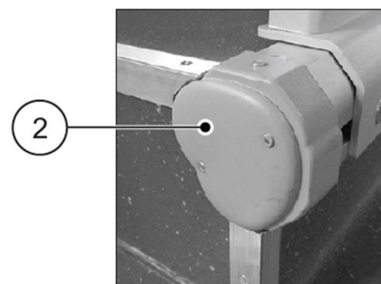
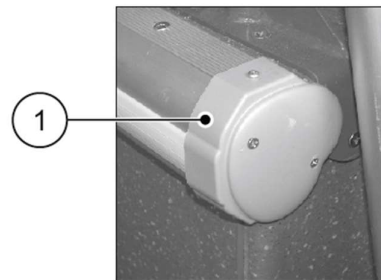
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 90			

Floor



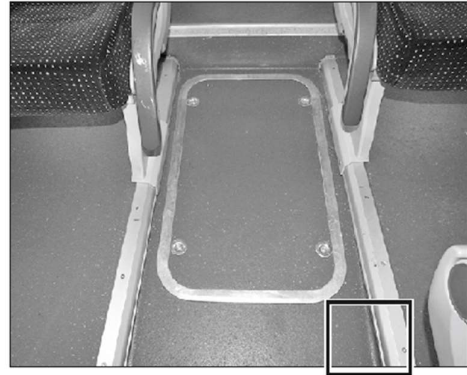
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 91			

Floor

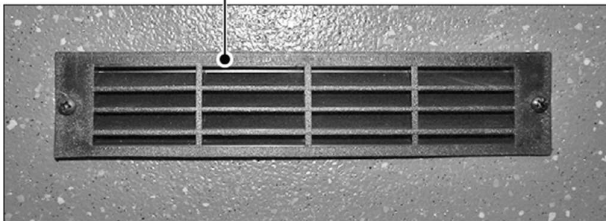


Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 92			

Floor



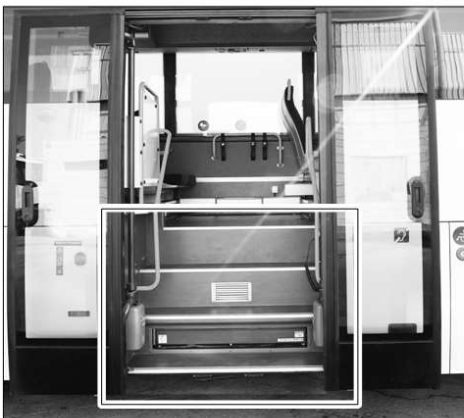
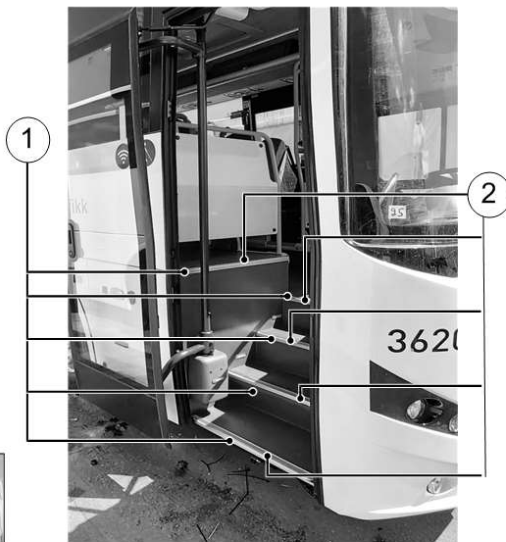
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2

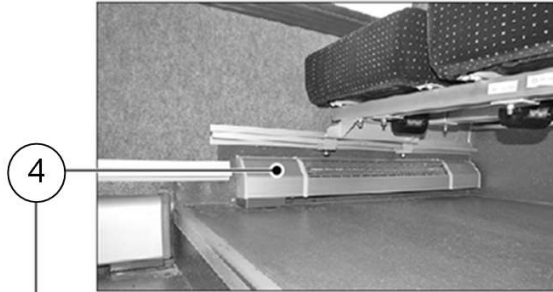
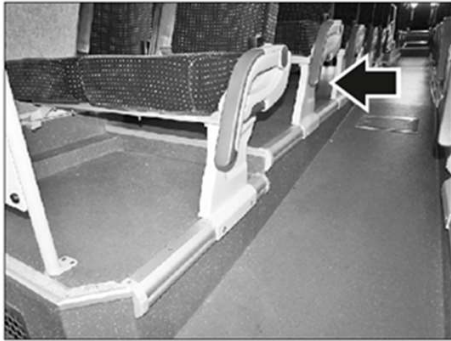
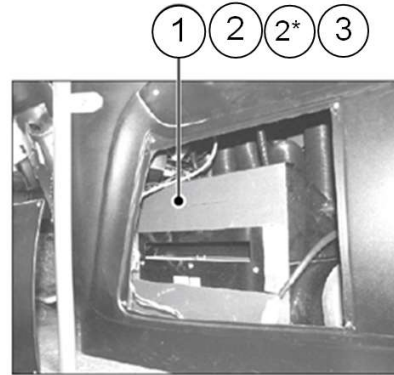
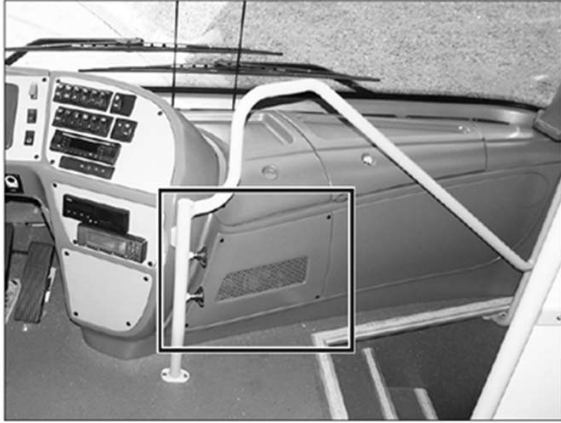
Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 93			

Floor



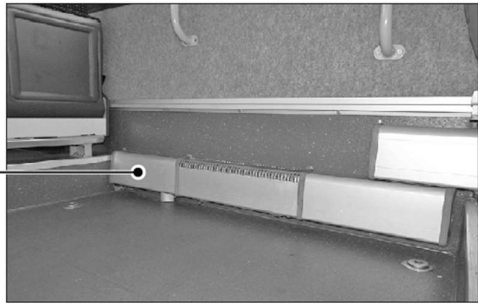
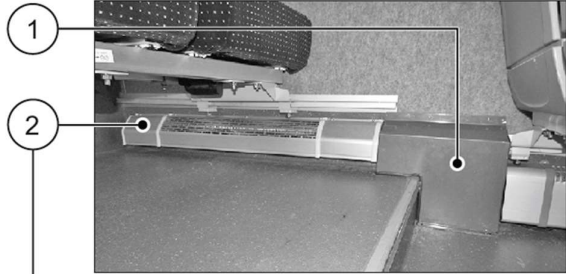
Interior		MARS INTERCITY BUS VOLVO B8R chassis	
Passenger Compartment			
Draw. No. 94			

Heat System



Heat System

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Front box Mars Norway	57-718004-121711	Sanz Clima	8.004.121.711	1
2	Front box filter PPI 20X10	57-718004-400208	Sanz Clima	7.141.400.208	1
2*	Optional - HD Front box filter PPI 45 X10	57-718004-034113	Sanz Clima	JD0034113	1
3	Front box radiator	57-718004-400147	Sanz Clima	7.145.400.147	1
4	Side wall convectors for Mars 12.1m	20-008909-911709	Sanz Clima		1

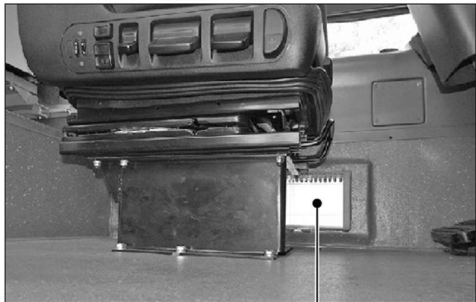


Interior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Passenger Compartment			
Draw. No. 96			

Heat system



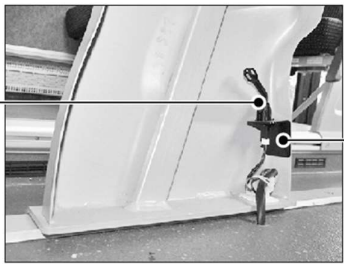
1



2



1

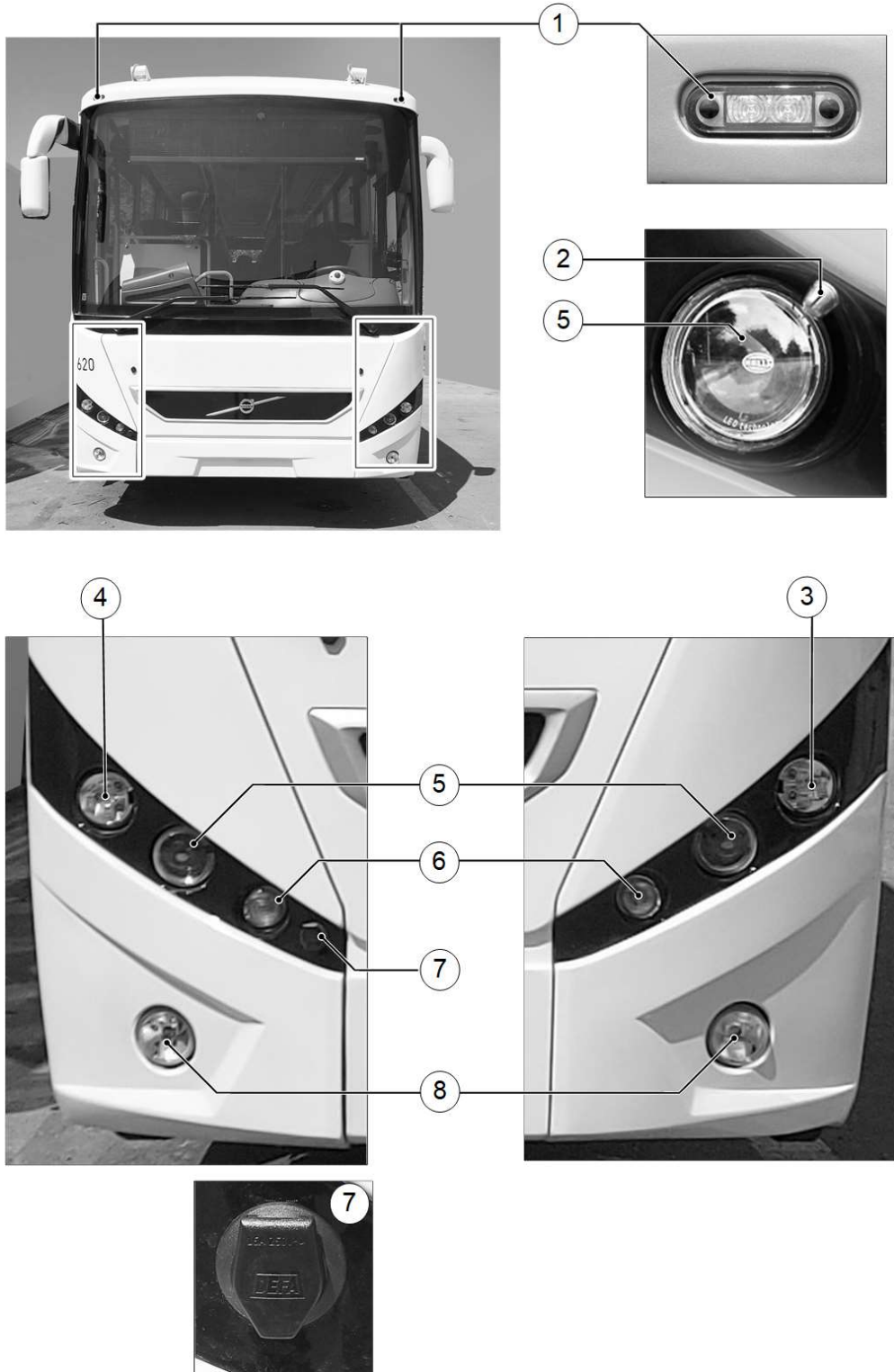


3



Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Front			
Draw. No. 98			

Front Lighting

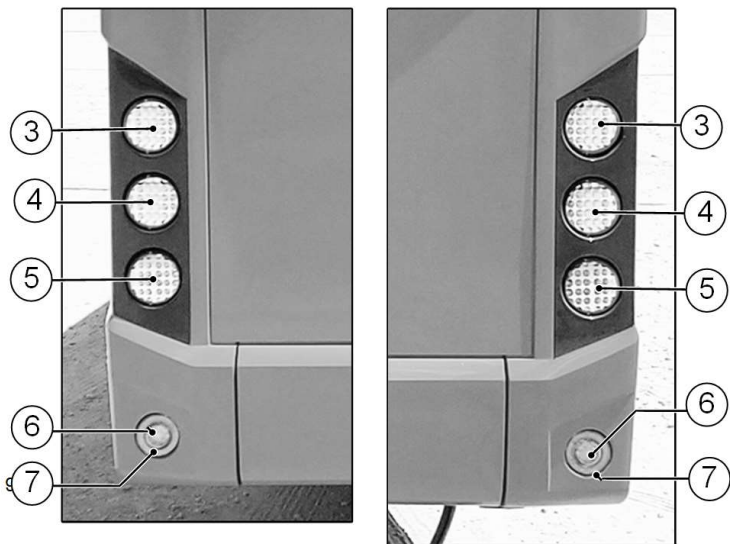
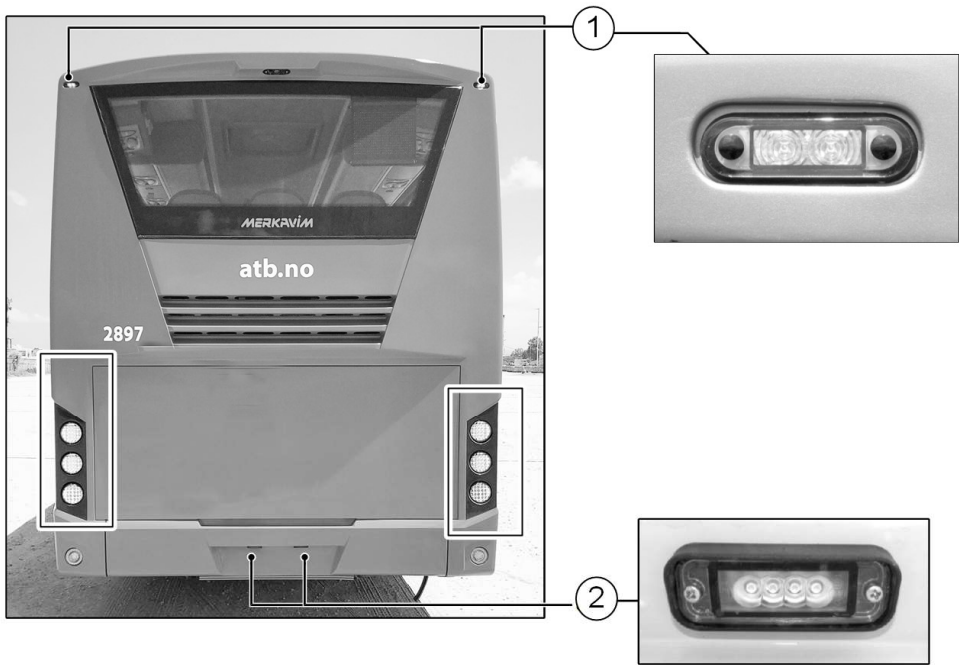


Front Lighting

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Front signal lamp white	20-254000-590407	HELLA	2PF 959590202	2
2	Head lamp double water sprinkler	48-722201-507339	DOGA	100-5073-39-0	2
3	Day time run. light left	20-254009-599031	HELLA	2PT 00959913	2
4	Day time run. light right	20-254009-599041	HELLA	2PT 00959914	2
5	Head lamp Bi-LED	20-254010-820021	HELLA	1AL 010820-021	2
6	Front direction indicator	20-081253-221007	HELLA	2BA 008221-00	2
7	*Optional - Wall outlet single DEFA 700401	20-000000-700401	DEFA	700401	1
8	Front fog lamp	20-254008-582037	HELLA	1NO 008582-037	2

Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Back			
Draw. No. 99			

Back Lighting

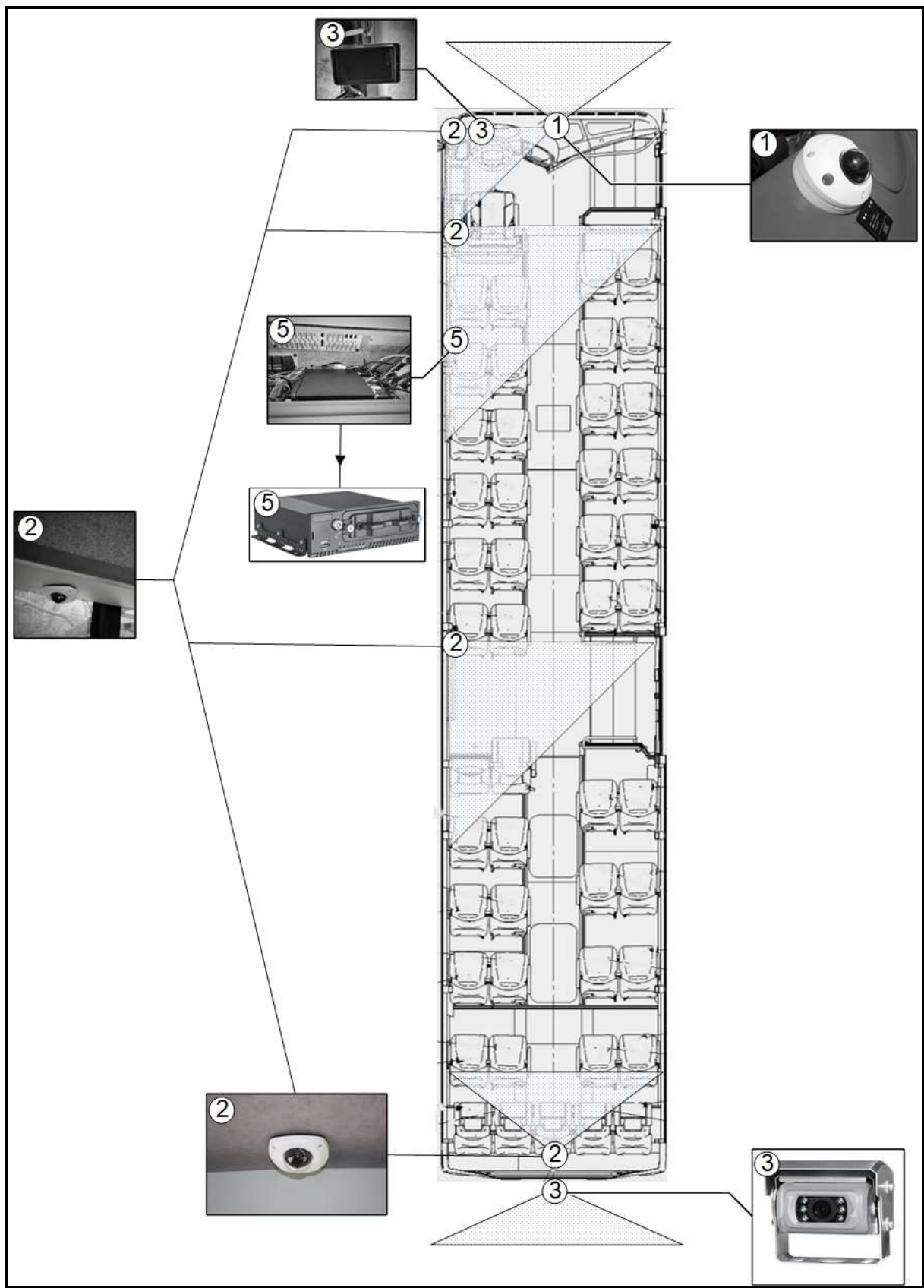


Back Lighting

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	Rear signal lamp red	20-254000-610407	HELLA	2XA 959790407	2
2	License plate light	20-254000-049008	HELLA	2KA 010278-011	2
3	Rear and stop lamp	20-254344-200327	HELLA	2SB 344200327	2
4	Rear direction indicator	20-254344-200347	HELLA	2BA 344200347	2
5	Reversing light	20-254344-200051	HELLA	2ZR 344200051	2
6	Rear fog lamp	20-254011-172487	HELLA	2NE 011172487	2
7	Lamp reflex, red, round	20-000442-405007	HELLA	8RA 008405007	2

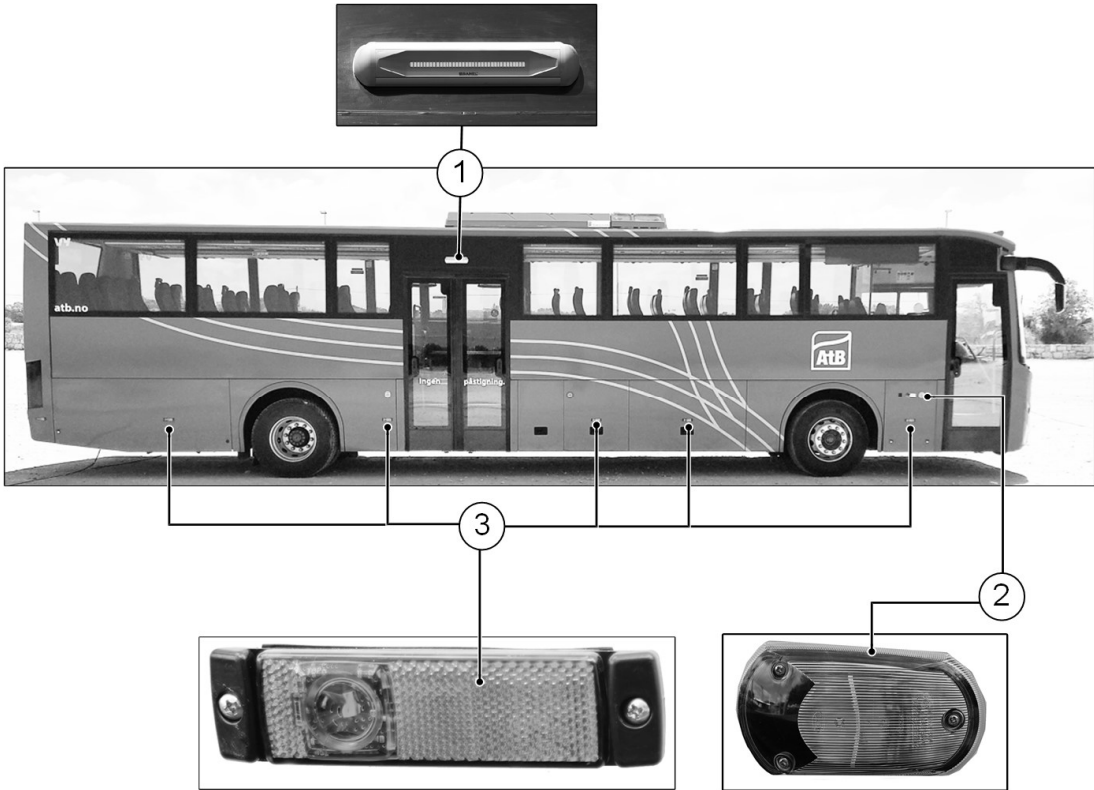
Exterior		MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Interior			
Draw. No. 100			

Camera system



Exterior		MARS INTERCITY BUS VOLVO B8R chassis	
Right			
Draw. No. 101			

Side Lighting



Exterior	 MARS INTERCITY BUS VOLVO B8R chassis	 Merkavim Transportation Technologies Ltd.
Location Name #2		
Draw. No. 102		

Exterior Labels



1



2

3



4

5

Exterior Labels

No.	Description	Merkavim P/N	Supplier	Supplier P/N	Qty
1	VOLVO label	53-750716-000184	VOLVO part		1
2	MARS label				1
3	VOLVO big label				1
4	B8R label				1
5	EURO6 label				1

