N11-1	Wire Size	Wire Colour	Fuse No.	Fuse Rating	Function	To/From SAM
1	1.5 1.5	Black/Yellow Black/White	4	30	Left electric window Right electric window	From
2	2.5	Black/Red	3	20	Interior heater fan. Heated seats control modules	From
3	1.5	Black/Yellow	8	20	Ignition coils: cylinders 1,2,3	From
4	1.5 1.5	Pink/Red Pink/Red	2	20	Wiper stalk supply Wiper motor (via relay)	From From
5	1.0	Violet	13	15	Front fog lamp supply (constant live)	From
6	2.5	Red/Black	14	25	ESP control unit supply (constant live)	From
7	2.5	Pink	12	15	Radio supply (constant live)	From
8	-	-	1	15	Starter motor relay	From
N11-2	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	0.5	Brown/Green	-	-	MEG (ECU)	From
2	2.5	Black	28	30	Heated rear window, heated wing mirrors	From
3	1.5	Red/White	11	7.5	Instrument cluster, pods, trip computer, key receiver (constant live)	From
4	0.35	Red/Green	11	7.5	Triangle (hazard lights, central locking buttons - constant live)	From
5	4.0	Brown	-	-	Ground for electric soft top relay	From
6	4.0	Yellow	29	25	Soft top motor (via relay)	From
7	0.35	Blue	-	-	MEG (ECU) Gear select system (constant live)	From
8	4.0	Red/White	29	25	Soft top motor (via relay)	From
N11-3	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	-	-	17	15	Rear wiper - not used on any Roadster	-
2	1.5	Grey	18	7.5	Crash system (airbags, seat belts, ECU, ESP)	From
3	0.5 0.5	Red/Yellow Red/Yellow	19	7.5	Electric wing mirror switch & supply Electric soft top switch	From From
4	1.0	Blue	20	15	Front fog light relay, trip computer, radio, heated seat modules, power steering, rain/light sensor switched live supply.	From
5	1.5	Blue/Yellow	21	15	Cigarette lighter	From
6	1.0	Grey/Red	22	7.5	Right headlight (low beam)	From
7	1.0	Blue/Green	23	7.5	Left headlight (low beam)	From
8	1.0	White	24	7.5	Right headlight (full beam)	From

N11-1	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
9	0.5 1.0	White/Blue White/Blue	25	7.5	Dashboard indicator (full beam) Left headlight (full beam)	From From
10	1.5	Red/Black	16	10	Fuel pump, fuel level sensor	From
11	1.0	Blue/Red	26	15	Brake lights (via brake switch - constant live)	From
12	1.5	Red/White	27	7.5	MEG (ECU) power supply (constant live)	From
N11-4	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	4.0	Red/Black	-	-	Ignition switch in position 1 (switched live supply)	To
2	4.0	Red/Blue	30	40	Gearshift system	From
N11-5	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	-	-	-	-	Not used	-
2	-	-	17	15	Rear wiper - not used on any Roadster	-
3	1.5	Red	2	20	Wiper motor (via external relay)	From
4	-	-	-	-	Wiper motor relay signal	-
5	1.5	Brown	-	-	SAM wiper motor relay ground	From
6	0.75	Red/White	5	7.5	Indicator, headlight stalk (constant live)	From
7	1.0	Brown/White	6	7.5	Right side lights, interior backlights, numberplate lights	From
8	0.5	Red/Green	12	15	Interior light, rain/light sensor supply (constant live)	From
9	0.5 0.75	Brown/Yellow Brown/Grey	7	7.5	Left front side light Left rear side light	From
10	1.5	Green	9	10	Engine connector (ESP)	From
11	0.5	Black/Pink	10	15	MEG (ECU) Fuel pump instruction	From
12	2.0	Yellow/Black	10	15	MEG (ECU) Engine run signal	From
N11-6	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	2.5	Blue	1	25	Starter motor	From
2	2.5	Pink	32	30	Exhaust CAT preheater	From
N11-7	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	3.0	Red/White	35	30	EPS - Power steering (constant live)	From
2	4.0	Red	34	50	ESP - Traction Control (constant live)	From
3	4.0	Red/Black	33	50	Ignition starter switch (constant live)	From
N11-8	**Wire Size**	**Wire Colour**	**Function**			**To/From SAM**

N11-1	Wire Size	Wire Colour	Fuse No.	Fuse Rating	Function	To/From SAM
1	-	-	-			-
2	0.5	Brown/White	Ground for boot release			From
3	0.5	Grey/Red	Windscreen wiper stalk in intermittent position			To
4	0.5	Yellow/White	Right door microswitch (door open) [swap with 19 for LHD/RHD conversion]			From
5	-	-	-			-
6	-	-	-			-
7	-	-	-			-
8	0.5 0.5	Yellow/Green Yellow/Green	Crash signal two airbags Crash signal side airbags			From From
9	0.75	Pink/Red	Wiper motor park signal from wiper motor			To
10	0.5	Green/Blue	Console backlight signal from headlight stalk			To
11	0.35	Black/Green	Cruise control supply			From
12	-	-	-			-
13	0.5	Brown	Ground for wiper system			From
14	0.35	White/Black	CAN interface High (to instrument cluster)			Both
15	0.35	Brown/Red	CAN interface Low (to interface cluster)			Both
16	0.5	Red	Steering wheel horn and paddle wheel			From
17	0.5	Yellow	Wiper stalk in fast position (up two positions)			To
18	0.5	Blue/Black	Central locking system door microswitches			From
19	0.5	Yellow/Red	Left door microswitch (door open) [swap with 4 for LHD/RHD conversion]			From
20	0.5	Green	Remote boot release switch			From
31	0.5	Blue	Interior fan in OFF position (to disable aircon)			To
32	0.5	Blue/White	Roof bar microswitches (to stop electric roof)			From
33	0.5	Pink/Black	Boot microswitch (to stop electric roof)			From
34	0.5	Grey	Hand brake indicator switch			From
35	0.5	White	Electric soft top switch			From
36	-	-	-			-
37	-	-	-			-
38	0.5	Grey/Blue	Ignition switch in position 2			To
39	0.35	White/Black	CAN interface Low (to MEG and steering assist)			Both
40	0.35	Brown/Red	CAN interface High (to MEG and steering assist)			Both

N11-9	Wire Size	Wire Colour	Function	To/From SAM
1	0.75	Black/White	Left indicators	From
2	0.35	Grey	Aircon first stage from triangle	To
3	0.35	White/Grey	OBD port pin 1	From
4	0.5	Grey/Blue	Interior light (signal from door open)	From
5	-	-	-	-
6	0.5	Pink	Front fog lamp relay ground (from external fog lamp relay)	To
7	0.35	Pink/Red	Cruise control (from stalk)	To
8	-	-	-	-
9	0.5	Blue/Yellow	Auto lights switch	From

N11-1	Wire Size	Wire Colour	Fuse No.	Fuse Rating	Function	To/From SAM
10	0.35	Green/Brown	Cruise control (from stalk)			To
11	0.75	Black/Green	Right indicators			From
12	0.35	Violet/Blue	Hazard light switch (from triangle)			To
13	0.35	Blue	Central locking switch (from triangle)			To
14	0.5	Violet	LIN bus to trip computer / pods / rain & light sensor			Both
15	-	-	-			-
16	0.5	Blue/White	Wiper system relay ground			To
17	0.35	Yellow/Black	Front fog lamp switch (on/off signal)			From
18	0.5	Blue/Yellow	Auto lights switch			From
19	-	-	-			-
20	0.5	White	Infra red / Radio key receiver data link			Both
31	0.35	Green	Aircon second stage from triangle			To
32	0.35	Black/Red	Rear window (and electric wing mirror) heater switch from triangle			To
33	0.5	Red/Yellow	Rear fog light switch signal from headlight stalk			To
34	0.5	Yellow	High beam flash signal from headlight stalk (stalk pulled back)			To
35	0.5	Yellow/Green	Low beam signal from headlight stalk (stalk twisted to 2nd position)			To
36	0.5	Green/Blue	Wiper stalk in slow constant wipe position (up one position)			To
37	0.5	Yellow/Black	Fog light switch			From
38	0.5	Blue	Right indicators from headlight stalk			To
39	0.5	Black/Green	Left indicators from headlight stalk			To
40	0.5	Red/Green	Washer pump signal from wiper stalk (stalk pulled back)			To
N11-10	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	1.0	Brown	-	-	Ground	From
2	1.5	White	-	-	Aircon compressor	From
3	2.5	Brown/Green	-	-	Front radiator fan	From
4	1.0	Grey/Blue	31	30	Central locking (doors & fuel cover) Lock/Unlock	Both
5	1.0	White/Blue	31	30	Central locking (doors & fuel cover) Lock/Unlock	Both
6	1.5	Blue/Red	31	30	Horn	From
7	1.5	Yellow	15	15	Intercooler / Chargecooler fan	From
8	0.5	Red	31	30	Boot release solenoid	From
N11-11	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
1	16.0	Red	-	-	Main supply from battery	To
R	**Wire Size**	**Wire Colour**	**Fuse No.**	**Fuse Rating**	**Function**	**To/From SAM**
R1	-	-	-	-	-	-
R2	-	-	-	-	-	-
R3	-	-	-	-	-	-

N11-1	Wire Size	Wire Colour	Fuse No.	Fuse Rating	Function	To/From SAM
R4	-	-	-	-	-	-
R5	-	-	-	-	-	-
R6	-	-	-	-	-	-
R7	-	-	-	-	-	-
R8	-	-	-	-	-	-
R9	1.5 1.5	Red Red	44	25	Heated seats	From

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