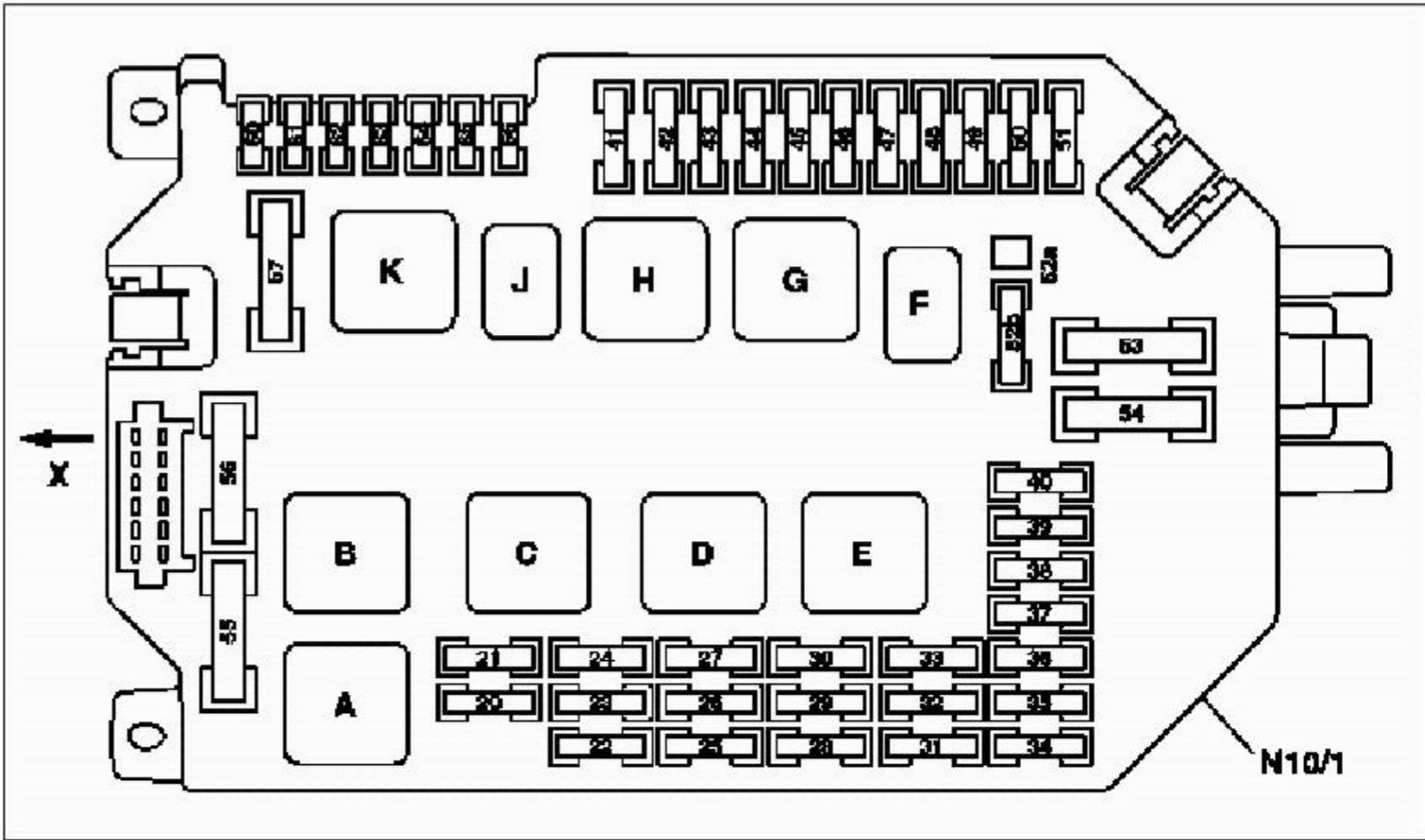


Document
GF54.15-P-1256-03LE Fuse assignment of fuse and relay box in left engine compartment GF

N10/1 Front SAM control unit with fuse and relay module

X Direction of travel



P54.15-2760-05



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Fuse	Terminal	Cable ID (fused line)	Fused function	Fuse rating in amperes (A)
f20	30	0.75 RD 1.0 RD	Valid for model 221 with engine 629, 642, 651: <ul style="list-style-type: none"> ● CDI control unit (N3/9) Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● ME-SFI control unit (N3/10) Valid for engine 275: <ul style="list-style-type: none"> ● ME-SFI control unit (N3/10) 	10
f21	87M1	2.5 RDBU 1.5 RDGN 2.5 RDGY 1.5 RDBL 2.5 RDBU	Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● Circuit 87 M1i connector sleeve (Z7/38) Valid for engine 275: <ul style="list-style-type: none"> ● Circuit 87 M1i connector sleeve (Z7/38) Valid for model 221 with engine 629 and engine 642: <ul style="list-style-type: none"> ● CDI control unit (N3/9) ● Fuel pump relay (N10/2kS) Valid for model 221 with engine 651: <ul style="list-style-type: none"> ● Quantity control valve (Y94) 	20
f22	87M4	2.5 RDGY	Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● Terminal 87 connector sleeve (Z7/5) 	15
f23	87M2	1.5 RDGN	Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 275, 278: <ul style="list-style-type: none"> ● Terminal 87 connector sleeve (Z7/5) 	20

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		2.5 RDGN	<p>Valid for model 221 with engine 629 and engine 642:</p> <ul style="list-style-type: none"> Terminal 87 connector sleeve (Z7/5) <p>Valid for model 221 with engine 272, 276</p> <p>Valid for engine 156, 157, 273, 278:</p> <ul style="list-style-type: none"> Terminal 87M2e connector sleeve (Z7/36) <p>Valid for engine 275:</p> <ul style="list-style-type: none"> Terminal 87 M2i connector sleeve (Z7/39) <p>Valid for model 221 with engine 629 and engine 642:</p> <ul style="list-style-type: none"> Terminal 87 connector sleeve (Z7/5) <p>Valid for model 221 with engine 651:</p> <ul style="list-style-type: none"> Rear SAM control unit with fuse and relay module (N10/2) 	
f24	87M3	2.5 RDBK 2.5 RDYE	<p>Valid for model 221 with engine 272, 276</p> <p>Valid for engine 157, 273, 278:</p> <ul style="list-style-type: none"> Circuit 87 M1e connector sleeve (Z7/35) <p>Valid for model 221 with engine 642</p> <ul style="list-style-type: none"> CDI control unit (N3/9) 	25
f25	30	0.5 PKBK	<ul style="list-style-type: none"> Instrument cluster (A1) 	7.5
f26	15	1.5 PKBU	<ul style="list-style-type: none"> Left front lamp unit (E1) 	10
f27	15	1.5 PKGN	<ul style="list-style-type: none"> Right front lamp unit (E2) 	10
f28	87F	0.75 RDGN RDGN 1.0	<p>Valid for engine 275:</p> <ul style="list-style-type: none"> EGS control unit (N15/3) <p>Valid without engine 275:</p> <ul style="list-style-type: none"> Fully integrated transmission control (VGS) control unit (Y3/8n4) 	7.5
f29	15	0.5 PKRD	<ul style="list-style-type: none"> Rear SAM control unit with fuse and relay module (N10/2) 	5
f30	15		<p>Valid for model 221 with engine 629, 642, 651:</p>	7.5

Code	Quantity	Part Number	Description	Value
f30	15	1.0 RDGY 1.0 RD	<p>Valid for model 221 with engine 629, 642, 651:</p> <ul style="list-style-type: none"> ● CDI control unit (N3/9) <p>Valid for model 221 with engine 272, 276</p> <p>Valid for engine 156, 157, 273, 275, 278:</p> <ul style="list-style-type: none"> ● ME-SFI control unit (N3/10) ● Fuel system control unit (N118) 	7.5
f31	87F	0.5 RDBK	<p>Valid for model 221.095/195:</p> <ul style="list-style-type: none"> ● Electric refrigerant compressor (A9/5) 	5
f32	87F	1.5 GYYE 1.5 RDVT 1.5 RDYE	<p>Valid for model 221 with code (B03) ECO start/stop function:</p> <ul style="list-style-type: none"> ● Transmission oil auxiliary pump control unit (N89) <p>Valid for model 221.095/195:</p> <ul style="list-style-type: none"> ● Transmission oil auxiliary pump control unit (N89) <p>Valid for model 216 with code (B03) ECO start/stop function:</p> <ul style="list-style-type: none"> ● Transmission oil auxiliary pump control unit (N89) 	15
f33	87F	0.75 PK	<p>Valid as of 1.9.10 for model 216 and model 221 without model 221.095/195:</p> <ul style="list-style-type: none"> ● ESP control unit (N47-5) <p>Valid for model 221.095/195:</p> <ul style="list-style-type: none"> ● Battery management system control unit (N82/2) ● DC/DC converter control unit (N83/1) ● Power electronics control unit (N129/1) 	5
f34	87F	0.5 RDBK	<p>Valid for model 221.095/195:</p> <ul style="list-style-type: none"> ● Regenerative braking system control unit (N30/6) 	5
f35	87F	0.5 RDYE	<ul style="list-style-type: none"> ● Electric parking brake controller unit (A13) 	5
f36	20	0.75 BDCM	<ul style="list-style-type: none"> ● Data link connector (X11/4) (Pin 16) 	10

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f36	30	0.75 RDGN	● Data link connector (X11/4) (Pin 16)	10
f37	30	0.75 RD	● For EIS control unit (N73)	7.5
f38	30	0.75 RD	● Central gateway control unit (N93)	7.5
f39	30	0.75 RDYE	● Instrument cluster (A1)	7.5
f40	30	0.75RDBK	● Upper control panel control unit (N72/1)	7.5
f41	15R	2.5 RDGN	● Slave wiper motor (M6/7)	30
f42	15R	2.5 RDBK	● Master wiper motor (M6/6)	30
f43	15R	1.5 BKWH	● Front cigar lighter with ashtray illumination (R3)	15
f44	15R	-	● Spare	-
f45	15	0.5 RDBU	Valid for model 221.095/195: Fused via power electronics circulation pump 1 relay (K108): ● Power electronics circulation pump 1 (M13/8)	5
f46	30	1.5 RD 1.5 RDWH	Valid for model 216 without code (489) AIRmatic (air suspension with continuously adjustable damping), model 221 with code (487) Active Body Control (ABC): ● ABC control unit (N51/2) Valid for model 221 without code (487) Active Body Control (ABC), Model 216 with code (489) AIRmatic (air suspension with continuously adjustable damping): ● AIRMATIC with ADS control unit (N51)	15
f47	30	1.5 GNYE	● Steering column up/down motor (M20/2)	15
f48	30	1.5 GNWH	● Steering column in/out motor (M20/1)	15
f49	30	0.75 RD	● Steering column tube module (N80)	10

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f50	30	1.5 RDWH	<ul style="list-style-type: none"> ● AAC [KLA] control unit (N22/1) 	15
f51	30	0.5 RDBU	<p>Valid without code (867) SPLITVIEW</p> <ul style="list-style-type: none"> ● COMAND display (A40/8) <p>Valid with code (867) SPLITVIEW</p> <ul style="list-style-type: none"> ● SPLITVIEW display (A40/10) 	5
f52a	30	1.5 YE	<p>Valid for model 221 with code (965) Electrical preinstallation for rental vehicle:</p> <p>Fused via fanfare horns relay (N10/1kF):</p> <ul style="list-style-type: none"> ● Left fanfare horn (H2) ● Right fanfare horn (H2/1) 	15
f52b	15	1.5 YE	<p>Valid for model 221 without code (965) Electrical preinstallation for rental vehicle, model 216:</p> <p>Fused via fanfare horns relay (N10/1kF):</p> <ul style="list-style-type: none"> ● Left fanfare horn (H2) ● Right fanfare horn (H2/1) 	15
f53	30	-	<ul style="list-style-type: none"> ● Spare 	-
f54	30	4.0 RD	<ul style="list-style-type: none"> ● AC air recirculation unit (A32) 	40
f55	87	4.0 RDWH	<p>Valid for gasoline engine</p> <ul style="list-style-type: none"> ● Electric air pump (M33) 	60
f56	30	4.0 RDBK	<p>Valid for model 221 without code (487) Active Body Control (ABC), Model 216 with code (489) AIRmatic (air suspension with continuously adjustable damping):</p> <ul style="list-style-type: none"> ● AIRMATIC compressor unit (A9/1) 	40
f57	30	2.5 RDBK	<ul style="list-style-type: none"> ● Wiper park position heater (R2/10) 	30
f60	87E	0.5 RDVE	<p>Valid for model 221 003/026/057/073/07A/083/082/09A/103/126/</p>	5

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f57	30	2.5 RDBK	<ul style="list-style-type: none"> Wiper park position heater (R2/10) 	30
f60	87F	0.5 RDYE	<p>Valid for model 221.003/026/057/073/074/083/082/094/103/126/157/173/174/182/183/194, for model 221.054/056/080/084/086/087/154/156/180/184/186/187 as of 1.6.09 for model 221.070/170 as of 1.6.09 up to 31.8.10 without code (487) Active Body Control (ABC), for model 221.070/170 as of 1.9.10, for model 221.071/171 as of 1.6.09 without code (487) Active Body Control (ABC), for model 216.373/374/394):</p> <ul style="list-style-type: none"> Electrohydraulic power steering (A91/1) 	5
f61	15R	0.75 PKGN	<ul style="list-style-type: none"> Restraint systems control unit (N2/7) 	7.5
f62	87F	0.5 RD	<p>Valid for code (610) Night view assist:</p> <ul style="list-style-type: none"> Night View Assist control unit (N101) 	5
f63	15	1.5 RD	<p>Valid for model 221 with engine 629 and engine 642 as of 1.9.08:</p> <ul style="list-style-type: none"> Fuel filter condensation sensor with heating element (B76/1) 	15
f64	15R	0.75 GNYE	<p>Valid for model 221:</p> <ul style="list-style-type: none"> Driver NECK-PRO head restraint solenoid (Y24/12) Front passenger NECK-PRO head restraint solenoid (Y24/13) 	10
f65	15	1.5 PKGN	<p>Valid as of 1.6.09</p> <ul style="list-style-type: none"> 12 Volt connector in glove box (X58/31) 	15
f66	87F	0.75 RDGN	<p>Valid for code (219) Distronic (DTR), for code (233) DISTRONIC PLUS, for code (237) Active Blind Spot Assist or for code (239) Adaptive cruise control Plus Light:</p> <ul style="list-style-type: none"> DTR controller unit (A89) 	7.5