

**Collision Prevention Assist has a malfunction**

Topic number	LI30.30-P-059421
Version	3
Design group	30.30 Cruise control (CC), Distronic (DTR)
Date	10-30-2014
Validity	BR222 with code 258 BR212 with code 258 BR156 with code 258 BR117 with code 258
Reason for change	Parts note for AMG veh. added
Reason for block	

**Complaint:**

Collision Prevention Assist has a malfunction or warns for no obvious reason (visual and acoustic warning).

The following message may appear in the instrument cluster:

"PRE-SAFE Functions Restricted - See Owner's Manual".

Note:

The CPA control unit ((A90)(CU AWF)) may contain the DTC C10C700.

**Cause:**

The offset value of the CPA control unit was not programmed correctly.

**Remedy:**

Perform the test steps stored in Xentry for DTC C10C700.

If there is no DTC, initial startup of the CPA control unit is necessary.

On model series 117/156, also check that there is no electrical line running between the CPA control unit and the bumper.

Specifically on model series 156 with code 772, the bracket must be replaced.

Note:

Since 01.07.2014 a modified coding value is available online.

<b>Symptoms</b>
Communication/information / Warning and control system / COLLISION PREVENTION ASSIST / Warning message in instrument cluster
Communication/information / Warning and control system / COLLISION PREVENTION ASSIST / Warning system nonfunctional

<b>Control unit/fault code</b>		
Control unit	Fault code	Fault text
SG-AWF - Control unit 'COLLISION PREVENTION ASSIST' (A90) (FCW246) (GLA (156),CLA (117),E (212))	C10C700	The control unit 'COLLISION PREVENTION ASSIST' has a malfunction. The radar sensor is maladjusted.

SG-AWF - Control unit 'COLLISION PREVENTION ASSIST' (A90) (FCW222) (S (222))	C10C700	The control unit 'COLLISION PREVENTION ASSIST' has a malfunction. The radar sensor is maladjusted.
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Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 156 885 22 56			Bracket	1		X

Work units				
Op. no.	Operation text	Time	Damage code	Note
			54W10 90	BR212, BR222
			5412W 90	BR117
			54895 90	BR156

Validity		
Vehicle	Engine	Transmission
222.004	*	*
222.032	*	*
222.033	*	*
222.057	*	*
222.067	*	*
222.077	*	*
222.082	*	*
222.085	*	*
222.104	*	*
222.123	*	*
222.132	*	*
222.133	*	*
222.157	*	*
222.162	*	*
222.163	*	*
222.165	*	*
222.167	*	*
222.176	*	*
222.177	*	*
222.178	*	*
222.179	*	*
222.182	*	*
222.184	*	*

# XENTRY

222.185	*	*
CLA (117)	*	*
E (212)	*	*
GLA (156)	*	*

## Full model designation breakdown

Vehicle	Engine	Transmission
117.301	651.901	711.642
117.301	651.901	724.003
117.302	651.930	724.011
117.303	651.930	724.003
117.305	651.930	724.011
117.308	651.930	711.645
117.308	651.930	724.003
117.312	607.951	711.632
117.312	607.951	724.020
117.342	270.910	711.632
117.342	270.910	711.643
117.342	270.910	724.002
117.343	270.910	711.643
117.343	270.910	724.002
117.344	270.920	724.003
117.345	270.920	724.003
117.346	270.920	724.011
117.347	270.910	724.011
117.352	133.980	724.015
117.352	133.980	724.016
156.902	651.930	724.011
156.903	651.930	724.004
156.905	651.930	724.011
156.908	651.930	711.632
156.908	651.930	724.004
156.912	607.951	711.631
156.912	607.951	724.021
156.942	270.910	711.647
156.942	270.910	724.001
156.943	270.910	711.647
156.943	270.910	724.001
156.944	270.920	724.004
156.945	270.920	724.004
156.946	270.920	724.011
156.952	133.980	724.015

# XENTRY

156.952	133.980	724.016
212.001	651.924	711.653
212.001	651.924	722.646
212.001	651.924	722.908
212.001	651.924	725.011
212.002	651.924	711.653
212.002	651.924	716.656
212.002	651.924	722.646
212.002	651.924	722.908
212.002	651.924	725.011
212.003	651.924	711.670
212.003	651.924	722.646
212.003	651.924	722.908
212.003	651.924	725.011
212.004	651.924	711.670
212.004	651.924	722.646
212.004	651.924	722.908
212.004	651.924	725.011
212.005	651.925	711.653
212.005	651.925	716.656
212.005	651.925	722.694
212.005	651.925	722.996
212.005	651.925	725.011
212.006	651.925	711.653
212.006	651.925	722.694
212.006	651.925	722.996
212.006	651.925	725.011
212.020	642.850	722.902
212.021	642.852	711.670
212.021	642.852	722.903
212.021	642.852	725.011
212.023	642.852	711.670
212.023	642.852	722.903
212.023	642.852	725.011
212.024	642.850	711.670
212.024	642.850	722.902
212.024	642.850	725.011
212.025	642.850	711.670
212.025	642.850	722.902
212.025	642.850	725.011
212.025	642.856	711.670
212.025	642.856	722.902
212.025	642.856	725.011

# XENTRY

212.026	642.852	711.670
212.026	642.852	722.903
212.026	642.852	725.011
212.027	642.852	711.670
212.027	642.852	722.903
212.027	642.852	725.011
212.034	274.920	711.655
212.034	274.920	722.995
212.035	274.920	711.655
212.035	274.920	722.995
212.036	274.920	711.655
212.036	274.920	722.995
212.040	274.910	711.655
212.040	274.910	722.995
212.041	271.958	722.695
212.047	271.860	722.618
212.047	271.860	722.997
212.048	271.860	711.655
212.048	271.860	716.612
212.048	271.860	722.696
212.048	271.860	722.997
212.052	272.923	716.636
212.052	272.923	722.998
212.053	272.980	722.906
212.054	272.952	711.654
212.054	272.952	722.999
212.055	276.952	722.906
212.056	272.980	722.906
212.057	272.983	722.906
212.059	276.952	722.906
212.061	276.850	722.904
212.065	276.820	722.904
212.067	276.820	722.961
212.072	273.971	722.904
212.073	278.922	722.909
212.073	278.922	725.011
212.073	278.922	725.032
212.073	278.922	725.033
212.074	157.981	722.931
212.075	157.981	722.931
212.076	157.981	722.971
212.077	156.985	722.930
212.080	276.952	722.960

# XENTRY

212.082	651.924	722.965
212.087	272.977	722.960
212.088	276.952	722.960
212.089	642.856	722.962
212.090	273.970	722.961
212.091	278.922	722.967
212.091	278.922	725.021
212.092	157.981	722.971
212.093	642.858	722.966
212.093	642.858	725.021
212.094	642.858	722.966
212.094	642.858	725.021
212.095	276.952	724.206
212.097	651.924	722.965
212.098	651.924	724.208
212.099	276.850	722.960
212.099	276.850	722.961
212.133	274.920	711.655
212.133	274.920	722.995
212.134	274.920	711.655
212.134	274.920	722.995
212.136	274.920	711.655
212.136	274.920	722.995
212.147	271.860	722.618
212.147	271.860	722.997
212.148	271.860	711.655
212.148	271.860	722.696
212.148	271.860	722.997
212.154	272.952	711.654
212.154	272.952	722.999
212.162	276.820	722.904
212.165	276.820	722.904
212.167	276.820	722.961
212.168	276.820	722.961
212.195	276.952	724.206
212.201	651.924	711.653
212.201	651.924	722.646
212.201	651.924	722.908
212.201	651.924	725.011
212.202	651.924	711.653
212.202	651.924	716.656
212.202	651.924	722.646
212.202	651.924	722.908

XENTRY

212.202	651.924	725.011
212.203	651.924	711.670
212.203	651.924	722.646
212.203	651.924	722.908
212.203	651.924	725.011
212.204	651.924	711.670
212.204	651.924	722.646
212.204	651.924	722.908
212.204	651.924	725.011
212.205	651.925	711.653
212.205	651.925	716.656
212.205	651.925	722.694
212.205	651.925	722.996
212.205	651.925	725.011
212.206	651.925	711.653
212.206	651.925	722.694
212.206	651.925	722.996
212.206	651.925	725.011
212.220	642.850	722.902
212.221	642.852	711.670
212.221	642.852	722.903
212.221	642.852	725.011
212.223	642.852	711.670
212.223	642.852	722.903
212.223	642.852	725.011
212.224	642.850	711.670
212.224	642.850	722.902
212.224	642.850	725.011
212.225	642.850	711.670
212.225	642.850	722.902
212.225	642.850	725.011
212.226	642.852	711.670
212.226	642.852	722.903
212.226	642.852	725.011
212.227	642.852	711.670
212.227	642.852	722.903
212.227	642.852	725.011
212.234	274.920	711.655
212.234	274.920	722.995
212.236	274.920	711.655
212.236	274.920	722.995
212.247	271.860	722.618
212.247	271.860	722.997

# XENTRY

212.248	271.860	711.655
212.248	271.860	716.612
212.248	271.860	722.696
212.248	271.860	722.997
212.254	272.952	711.654
212.254	272.952	722.999
212.255	276.952	722.906
212.256	272.980	722.906
212.257	272.983	722.906
212.259	276.952	722.906
212.261	276.850	722.904
212.265	276.820	722.904
212.267	276.820	722.961
212.272	273.971	722.904
212.273	278.922	722.909
212.273	278.922	725.011
212.273	278.922	725.032
212.273	278.922	725.033
212.274	157.981	722.931
212.275	157.981	722.931
212.276	157.981	722.971
212.277	156.985	722.930
212.280	276.952	722.960
212.282	651.924	722.965
212.287	272.977	722.960
212.288	276.952	722.960
212.289	642.856	722.962
212.291	278.922	722.967
212.291	278.922	725.021
212.292	157.981	722.971
212.293	642.858	722.966
212.293	642.858	725.021
212.294	642.858	722.966
212.294	642.858	725.021
212.297	651.924	722.965
212.298	651.924	724.208
212.299	276.850	722.960
212.299	276.850	722.961
222.004	651.921	724.208
222.032	642.861	722.903
222.032	642.861	725.011
222.033	642.867	722.966
222.057	276.960	724.206



# XENTRY

222.057	276.960	725.011
222.067	276.824	725.041
222.077	157.985	722.931
222.082	278.929	722.909
222.082	278.929	725.011
222.085	278.929	722.967
222.085	278.929	725.041
222.104	651.921	724.208
222.123	642.861	722.903
222.123	642.861	725.011
222.132	642.861	722.903
222.132	642.861	725.011
222.133	642.867	722.966
222.157	276.960	724.206
222.157	276.960	725.011
222.162	276.824	722.904
222.162	276.824	725.011
222.163	276.824	724.204
222.165	276.824	722.904
222.165	276.824	725.011
222.167	276.824	722.961
222.167	276.824	725.041
222.176	277.980	722.932
222.177	157.985	722.931
222.178	157.985	722.971
222.179	279.980	722.932
222.182	278.929	722.909
222.182	278.929	725.011
222.184	278.910	725.041
222.185	278.929	722.967
222.185	278.929	725.041