

Cracking noise when turning steering wheel

Topic number	LI31.30-P-046856
Version	2
Design group	31.30 Frame, lateral underride guard
Date	06-07-2012
Validity	MODEL 460, 461, 463
Reason for change	WIS reference (AF) deleted
Reason for block	

Complaint:

Noise when turning steering wheel

Cause:

Relative motion between the frame and the welded-in mounting plate.

The friction can be felt by feeling the longitudinal frame member when turning the steering wheel while stationary.

Remedy:

This complaint is no grounds for replacing the steering.

1 Remove collision guard.

2 Insert steel strip into frame opening and push in as far as mounting plate.

Diagram. Use steel strip of dimensions: 6x20x1200 mm (rolled).

3 Separate assembly plate from frame panel with a firm blow with a hammer.

A distance of approx. 1 mm is sufficient.

4 Preserve the cavity created.

Go as far as the contact point of the inserted steel strip.

5 Install collision guard.

Attachments	
File	Designation
P31.30-2008-11.jpg	Arrow Frame opening Insert steel strip as far as mounting plate.

Symptoms

Steering system / Cracking / Steering noise / Chassis/suspension /

Chassis/suspension / Ripping noise / Frame / Frame noise /

Work units

Op. no.	Operation text	Time	Damage code	Note
			31001 A3	

Validity		
Vehicle	Engine	Transmission
461.210	*	*
461.211	*	*
461.212	*	*
461.213	*	*
461.217	*	*
461.218	*	*
461.219	*	*
461.227	*	*
461.229	*	*
461.238	*	*
461.239	*	*
461.249	*	*
461.266	*	*
461.267	*	*
461.302	*	*
461.304	*	*
461.310	*	*
461.311	*	*
461.312	*	*
461.313	*	*
461.317	*	*
461.318	*	*
461.321	*	*
461.322	*	*
461.323	*	*
461.324	*	*
461.325	*	*
461.326	*	*
461.327	*	*
461.328	*	*
461.329	*	*
461.331	*	*
461.332	*	*
461.334	*	*
461.335	*	*
461.336	*	*
461.337	*	*
461.338	*	*
461.341	*	*
461.342	*	*

XENTRY

461.344	*	*
461.345	*	*
461.346	*	*
461.347	*	*
461.348	*	*
461.349	*	*
461.365	*	*
461.366	*	*
461.367	*	*
461.368	*	*
461.401	*	*
461.402	*	*
461.403	*	*
461.404	*	*
461.405	*	*
461.450	*	*
461.451	*	*
461.452	*	*
461.454	*	*
461.455	*	*
461.456	*	*
461.458	*	*
461.459	*	*
463.202	*	*
463.204	*	*
463.206	*	*
463.207	*	*
463.208	*	*
463.209	*	*
463.215	*	*
463.218	*	*
463.220	*	*
463.221	*	*
463.222	*	*
463.224	*	*
463.225	*	*
463.227	*	*
463.228	*	*
463.230	*	*
463.231	*	*
463.232	*	*
463.233	*	*
463.235	*	*

XENTRY

463.236	*	*
463.237	*	*
463.238	*	*
463.240	*	*
463.241	*	*
463.243	*	*
463.244	*	*
463.245	*	*
463.246	*	*
463.247	*	*
463.248	*	*
463.249	*	*
463.250	*	*
463.254	*	*
463.270	*	*
463.271	*	*
463.300	*	*
463.303	*	*
463.304	*	*
463.307	*	*
463.308	*	*
463.309	*	*
463.315	*	*
463.318	*	*
463.320	*	*
463.321	*	*
463.322	*	*
463.323	*	*
463.324	*	*
463.325	*	*
463.327	*	*
463.328	*	*
463.330	*	*
463.331	*	*
463.332	*	*
463.333	*	*
463.335	*	*
463.338	*	*
463.340	*	*
463.341	*	*
G (460)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
460.210	115.973	711.200
460.210	115.973	711.202
460.210	115.973	720.106
460.212	110.994	711.101
460.212	110.994	711.200
460.212	110.994	717.421
460.212	110.994	720.109
460.216	102.964	717.420
460.216	102.988	717.420
460.218	102.981	711.202
460.218	102.981	717.420
460.218	102.981	720.111
460.218	102.987	711.202
460.218	102.987	717.420
460.218	102.987	720.111
460.218	102.998	711.202
460.218	102.998	717.420
460.218	102.998	720.111
460.220	115.973	711.200
460.220	115.973	711.202
460.220	115.973	720.106
460.221	115.973	711.200
460.221	115.973	711.202
460.221	115.973	720.106
460.222	110.994	711.101
460.222	110.994	711.200
460.222	110.994	717.421
460.222	110.994	720.109
460.223	110.994	711.101
460.223	110.994	711.200
460.223	110.994	717.421
460.223	110.994	720.109
460.224	110.994	711.101
460.227	102.981	711.202
460.227	102.987	711.202
460.227	102.988	711.202
460.228	102.981	711.202
460.228	102.981	717.420
460.228	102.981	720.111
460.228	102.987	711.202

XENTRY

460.228	102.987	717.420
460.228	102.987	720.111
460.228	102.998	711.202
460.228	102.998	717.420
460.228	102.998	720.111
460.229	102.981	711.202
460.229	102.981	717.420
460.229	102.981	720.111
460.229	102.987	711.202
460.229	102.987	717.420
460.229	102.987	720.111
460.229	102.998	711.202
460.229	102.998	717.420
460.229	102.998	720.111
460.230	115.973	711.200
460.230	115.973	711.202
460.230	115.973	720.106
460.231	115.973	711.200
460.231	115.973	711.202
460.231	115.973	720.106
460.232	110.994	711.101
460.232	110.994	711.200
460.232	110.994	717.421
460.232	110.994	720.109
460.233	110.994	711.101
460.233	110.994	711.200
460.233	110.994	717.421
460.233	110.994	720.109
460.236	102.964	717.420
460.236	102.988	717.420
460.237	102.964	717.420
460.237	102.988	717.420
460.238	102.981	711.202
460.238	102.981	717.420
460.238	102.981	720.111
460.238	102.987	711.202
460.238	102.987	717.420
460.238	102.987	720.111
460.238	102.998	711.202
460.238	102.998	717.420
460.238	102.998	720.111
460.239	102.981	711.202
460.239	102.981	717.420

XENTRY

460.239	102.981	720.111
460.239	102.987	711.202
460.239	102.987	717.420
460.239	102.987	720.111
460.239	102.998	711.202
460.239	102.998	717.420
460.239	102.998	720.111
460.241	115.973	711.200
460.241	115.973	711.202
460.241	115.973	720.106
460.243	110.994	711.101
460.243	110.994	711.200
460.243	110.994	717.421
460.243	110.994	720.109
460.249	102.981	711.202
460.249	102.981	717.420
460.249	102.981	720.111
460.249	102.987	711.202
460.249	102.987	717.420
460.249	102.987	720.111
460.249	102.998	711.202
460.249	102.998	717.420
460.249	102.998	720.111
460.299	110.994	711.101
460.310	616.936	711.200
460.310	616.936	711.202
460.310	616.936	720.107
460.310	616.938	711.200
460.310	616.938	711.202
460.310	616.938	720.107
460.312	617.931	711.200
460.312	617.931	711.202
460.312	617.931	717.422
460.312	617.931	720.108
460.312	617.932	711.200
460.312	617.932	711.202
460.312	617.932	717.422
460.312	617.932	720.108
460.317	602.930	717.436
460.317	602.930	722.394
460.320	616.936	711.200
460.320	616.936	711.202
460.320	616.936	720.107

XENTRY

460.320	616.938	711.200
460.320	616.938	711.202
460.320	616.938	720.107
460.321	616.936	711.200
460.321	616.936	711.202
460.321	616.936	720.107
460.321	616.938	711.200
460.321	616.938	711.202
460.321	616.938	720.107
460.322	617.931	711.200
460.322	617.931	711.202
460.322	617.931	717.422
460.322	617.931	720.108
460.322	617.932	711.200
460.322	617.932	711.202
460.322	617.932	717.422
460.322	617.932	720.108
460.323	617.931	711.200
460.323	617.931	711.202
460.323	617.931	717.422
460.323	617.931	720.108
460.323	617.932	711.200
460.323	617.932	711.202
460.323	617.932	717.422
460.323	617.932	720.108
460.324	616.936	711.202
460.324	616.941	711.202
460.325	617.931	000.000
460.328	602.930	717.436
460.328	602.930	722.394
460.329	602.930	717.436
460.329	602.930	722.394
460.330	616.936	711.200
460.330	616.936	711.202
460.330	616.936	720.107
460.330	616.938	711.200
460.330	616.938	711.202
460.330	616.938	720.107
460.331	616.936	711.200
460.331	616.936	711.202
460.331	616.936	720.107
460.331	616.938	711.200
460.331	616.938	711.202

XENTRY

460.331	616.938	720.107
460.332	617.931	711.200
460.332	617.931	711.202
460.332	617.931	717.422
460.332	617.931	720.108
460.332	617.932	711.200
460.332	617.932	711.202
460.332	617.932	717.422
460.332	617.932	720.108
460.333	617.931	711.200
460.333	617.931	711.202
460.333	617.931	717.422
460.333	617.931	720.108
460.333	617.932	711.200
460.333	617.932	711.202
460.333	617.932	717.422
460.333	617.932	720.108
460.337	602.930	717.436
460.337	602.930	722.394
460.338	602.930	717.436
460.338	602.930	722.394
460.341	616.936	711.200
460.341	616.936	711.202
460.341	616.936	720.107
460.341	616.938	711.200
460.341	616.938	711.202
460.341	616.938	720.107
460.343	617.931	711.200
460.343	617.931	711.202
460.343	617.931	717.422
460.343	617.931	720.108
460.343	617.932	711.200
460.343	617.932	711.202
460.343	617.932	717.422
460.343	617.932	720.108
461.210	102.958	711.202
461.210	115.974	711.202
461.211	102.958	711.202
461.211	115.974	711.202
461.212	110.994	711.101
461.213	110.994	711.101
461.217	102.997	722.380
461.218	102.987	711.202

XENTRY

461.218	102.998	711.202
461.219	102.981	711.202
461.219	102.981	720.111
461.219	102.998	711.202
461.219	102.998	720.111
461.227	102.979	711.117
461.227	102.979	717.443
461.227	102.979	722.383
461.227	102.996	711.117
461.227	102.996	717.443
461.227	102.996	722.383
461.229	102.979	717.443
461.229	102.979	722.383
461.229	102.996	717.443
461.229	102.996	722.383
461.238	102.979	717.443
461.238	102.979	722.383
461.238	102.996	717.443
461.238	102.996	722.383
461.239	102.979	717.443
461.239	102.979	722.383
461.239	102.996	717.443
461.239	102.996	722.383
461.249	102.979	717.443
461.249	102.979	722.383
461.249	102.996	717.443
461.249	102.996	722.383
461.266	102.979	717.443
461.266	102.996	717.443
461.267	102.979	717.443
461.267	102.996	717.443
461.302	612.695	722.637
461.302	612.966	722.637
461.304	642.975	722.637
461.304	642.975	722.638
461.310	616.938	711.202
461.311	616.938	711.202
461.312	617.932	711.202
461.313	617.932	711.202
461.317	602.930	711.202
461.317	602.930	717.436
461.318	602.930	711.202
461.318	602.930	717.436

XENTRY

461.321	602.983	722.331
461.322	602.983	722.331
461.323	602.942	711.116
461.323	602.942	717.443
461.323	602.942	717.445
461.323	602.947	711.116
461.323	602.947	717.443
461.323	602.947	717.445
461.324	602.942	000.000
461.325	616.938	711.202
461.325	617.932	711.202
461.326	602.983	722.331
461.327	602.983	722.331
461.327	602.983	722.630
461.328	602.942	711.117
461.328	602.942	717.443
461.328	602.942	717.445
461.328	602.947	711.117
461.328	602.947	717.443
461.328	602.947	717.445
461.329	602.942	711.116
461.329	602.942	717.443
461.329	602.942	717.445
461.329	602.942	722.384
461.329	602.942	722.385
461.329	602.947	711.116
461.329	602.947	717.443
461.329	602.947	717.445
461.329	602.947	722.384
461.329	602.947	722.385
461.331	612.695	722.637
461.331	612.966	722.637
461.332	612.695	722.637
461.332	612.966	722.637
461.334	642.975	722.637
461.334	642.975	722.638
461.335	602.983	722.331
461.336	602.983	722.331
461.337	602.942	711.117
461.337	602.942	717.443
461.337	602.942	717.445
461.337	602.947	711.117
461.337	602.947	717.443

XENTRY

461.337	602.947	717.445
461.338	602.942	711.117
461.338	602.942	717.443
461.338	602.942	717.445
461.338	602.947	711.117
461.338	602.947	717.443
461.338	602.947	717.445
461.341	602.942	711.117
461.341	602.942	717.443
461.341	602.942	717.445
461.341	602.947	711.117
461.341	602.947	717.443
461.341	602.947	717.445
461.342	612.966	722.637
461.344	642.975	722.637
461.344	642.975	722.638
461.345	612.965	722.637
461.345	612.966	722.637
461.346	642.975	722.637
461.346	642.975	722.638
461.347	617.933	711.202
461.348	617.933	711.202
461.349	617.933	711.202
461.365	602.983	722.331
461.366	602.983	722.331
461.367	602.942	711.117
461.367	602.942	717.443
461.367	602.942	722.338
461.367	602.942	722.384
461.367	602.942	722.385
461.367	602.947	711.117
461.367	602.947	717.443
461.367	602.947	722.338
461.367	602.947	722.384
461.367	602.947	722.385
461.368	602.942	711.117
461.368	602.942	717.443
461.368	602.947	711.117
461.368	602.947	717.443
461.401	602.930	711.116
461.401	602.939	711.116
461.402	602.930	711.116
461.402	602.939	711.116

XENTRY

461.403	602.946	717.443
461.404	602.947	711.116
461.405	602.930	711.116
461.405	602.939	711.116
461.450	602.938	711.116
461.450	602.938	717.443
461.450	602.946	711.116
461.450	602.946	717.443
461.451	602.946	717.443
461.452	602.938	711.116
461.452	602.938	717.443
461.452	602.946	711.116
461.452	602.946	717.443
461.454	602.938	717.443
461.454	602.946	717.443
461.455	602.946	717.443
461.456	602.938	711.116
461.456	602.938	717.443
461.456	602.946	711.116
461.456	602.946	717.443
461.458	602.938	711.116
461.458	602.938	717.443
461.458	602.946	711.116
461.458	602.946	717.443
461.459	602.938	711.116
461.459	602.938	717.443
461.459	602.946	711.116
461.459	602.946	717.443
463.202	273.963	722.904
463.202	273.969	722.904
463.204	102.989	717.439
463.204	102.989	722.396
463.206	113.962	722.630
463.207	103.987	717.439
463.207	103.987	722.397
463.207	103.989	717.439
463.207	103.989	722.397
463.208	104.996	722.372
463.209	112.945	722.610
463.215	102.989	000.000
463.218	103.987	000.000
463.220	102.965	717.439
463.221	102.965	717.439

XENTRY

463.222	273.963	722.904
463.222	273.969	722.904
463.224	102.989	717.439
463.224	102.989	722.396
463.225	102.989	717.439
463.227	103.987	717.439
463.227	103.987	722.397
463.228	103.987	717.439
463.228	103.987	722.382
463.228	103.987	722.397
463.228	117.965	717.439
463.228	117.965	722.382
463.228	117.965	722.397
463.230	104.996	722.372
463.231	104.996	722.372
463.232	112.945	722.610
463.233	112.945	722.610
463.235	102.989	000.000
463.236	273.963	722.904
463.236	273.969	722.904
463.237	273.963	722.904
463.237	273.969	722.904
463.238	103.987	000.000
463.240	113.962	722.630
463.241	113.962	722.630
463.241	113.982	722.630
463.243	113.982	722.630
463.244	112.945	722.610
463.245	112.945	722.610
463.246	113.982	722.630
463.247	113.962	722.630
463.248	113.962	722.630
463.248	113.962	722.901
463.248	113.982	722.630
463.248	113.982	722.901
463.249	113.962	722.630
463.249	113.962	722.901
463.250	112.945	722.610
463.254	113.962	722.630
463.254	113.962	722.901
463.270	113.993	722.630
463.270	113.993	722.645
463.271	113.993	722.630

XENTRY

463.271	113.993	722.645
463.300	603.972	722.398
463.303	642.970	722.902
463.304	602.931	717.439
463.307	603.931	717.439
463.307	603.931	722.399
463.308	606.964	722.611
463.309	628.962	722.638
463.315	602.931	000.000
463.318	603.931	000.000
463.320	603.972	722.398
463.321	603.972	722.398
463.322	612.965	722.637
463.323	612.965	722.637
463.324	602.931	717.439
463.325	602.931	717.439
463.327	603.931	717.439
463.327	603.931	722.399
463.328	603.931	717.439
463.328	603.931	722.399
463.330	606.964	722.611
463.331	606.964	722.611
463.332	628.962	722.638
463.333	628.962	722.638
463.335	602.931	000.000
463.338	603.931	000.000
463.340	642.970	722.902
463.341	642.970	722.902

Attachments

P31.30-2008-11.jpg:

