SAFETY RECALL BULLETIN

AUTOCAR SAFETY RECALL A-0701
NHTSA RECALL 07V-184

APRIL 2007

ATTENTION: **SERVICE MANAGERS / PARTS MANAGERS**

SUBJECT: **LOOSE STEERING COLUMN FASTENERS**

VEHICLES AFFECTED: **CERTAIN AUTOCAR WX (LEFT, RIGHT, AND DUAL DRIVER STATION) AND WXLL (LEFT AND DUAL DRIVER STATION) MODEL VEHICLES BUILT BETWEEN 03 OCT 2006 AND 21 MAR 2007, VIN RANGE 204526 TO 205372**

Safety Recall Information
Autocar, LLC has determined that an issue that relates to vehicle safety may exist in certain WX, WXR, and WXLL heavy-duty class 8 vehicles manufactured between 03 October 2006 and 21 March 2007. Concerns were raised that threaded fasteners securing the steering column to the cab may have been under-torqued.

Vehicles Affected
There are 682 affected vehicles that were manufactured between 03 October 2006 and 21 March 2007, within VIN range 204526 to 205372 Refer to the VIN list on *page 3*.

NOTE: To determine whether a particular vehicle is affected by this safety recall (or any other safety recall), consult the *Service & Warranty* link through Autocar's website: *www.autocartruck.com*. After logging in to the dealer section of the website, enter the VIN into the VIN Profile; the system will display any outstanding safety recalls.

Inspection
If the vehicle's VIN number is within the specified VIN range and included in the accompanying VIN list on *page 3,* the steering column fasteners must be torqued.

Repair
Torque the specified steering column fasteners, pursuant to the **REPAIR PROCEDURE,** on *page 10.*

Parts
There are no parts required for this safety recall.

Time Allowance
Torque steering column fasteners:

WX	0.5 hour
WXR	0.5 hour
WX (Dual)	1.5 hour
WXLL	0.5 hour
WXLL (Dual)	1.5 hour

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Tools Required

- Ratchet
- Torque wrench
- 1/2” socket
- 9/16” socket
- 5/8” socket
- 11/16” socket
- 1-1/4” socket
- 5/8” box/open end wrench
- 9/16” box/open end wrench
- #2 Phillips screw driver
- T20 Torx driver
- T40 Torx driver
- 4.5mm Allen key
- Steering wheel puller

Claims for Reimbursement

Submit a claim following published instructions in the claim preparation section of the *Service Operations Manual.*

Claims Coding Information

Authorization number: A-0701
Claim Code(s):

Vehicle model	*Configuration*	*Claim code*	*Time allowance*
WX	Left side driver station	64116-6-00	0.5 hour
WXR	Right side driver station	64116-6-00	0.5 hour
WX (Dual)	Dual driver stations	64116-6-01	1.5 hour
WXLL	Left side driver station	64116-6-00	0.5 hour
WXLL (Dual)	Dual driver stations	64116-6-01	1.5 hour

Dealer Responsibility

Dealers must perform this safety recall on affected vehicles at no charge to the owner regardless of vehicle mileage, age, or ownership of the vehicle. If a vehicle affected by this safety recall is taken into or is in your vehicle inventory or at your dealership for service, you must perform this safety recall before the vehicle is sold or released to the owner.

Autocar, LLC
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Hagerstown, IN 47346-0190

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Vehicles Affected, by VIN

Affected vehicles, sorted by last (6) digits of VIN, in ascending order from left to right, top to bottom:

5VCDC6MF37H204526	5VCDC6MF17H203875	5VCDC6MF37H203876	5VCDC6MF57H203877
5VCDC6MF57H203877	5VCDC6MF77H203878	5VCDC6MF77H203881	5VCDC6MF97H203882
5VCDC6MF97H203882	5VCDC6MF07H203883	5VCDC6MF27H203884	5VCDC6MF47H203885
5VCDC6MF47H203885	5VCDC6MF97H204031	5VCDC6MF27H204033	5VCH36FE47H204458
5VCH36FE47H204458	5VCH36FE67H204459	5VCD36MF27H204498	5VCDC6MF67H204536
5VCDC6MF67H204536	5VCDC6MF07H204578	5VCDC6MF27H204579	5VCDC6MF97H204580
5VCDC6MF97H204580	5VCDC6MF07H204581	5VCDC6MF27H204582	5VCDC6MF47H204583
5VCDC6MF47H204583	5VCDC6MF67H204584	5VCDC6MF87H204585	5VCDC6MFX7H204586
5VCDC6MFX7H204586	5VCDC6MF17H204587	5VCDC6MF37H204588	5VCDC6MF57H204589
5VCDC6MF57H204589	5VCDC6MF27H204596	5VCHC6MF67H204621	5VCD36PE87H204699
5VCD36PE87H204699	5VCD36PE47H204716	5VCDC6MF67H204763	5VCDC6MF87H204764
5VCDC6MF87H204764	5VCDC6MFX7H204765	5VCDC6MF87H204800	5VCHC6BE77H204802
5VCHC6BE77H204802	5VCDC6BE07H204803	5VCDC6BE27H204804	5VCDC6BE47H204805
5VCDC6BE47H204805	5VCDC6MF07H204810	5VCDC6MF27H204811	5VCDC6MF47H204812
5VCDC6MF47H204812	5VCDC6MF67H204813	5VCDC6MF87H204814	5VCHC6MF87H204815
5VCHC6MF87H204815	5VCHC6MF47H204858	5VCHC6MF67H204859	5VCHC6MF27H204860
5VCHC6MF27H204860	5VCHC6MF47H204861	5VCHC6MF67H204862	5VCHC6MF87H204863
5VCHC6MF87H204863	5VCHC6MFX7H204864	5VCH36ME47H204866	5VCH36PE17H204867
5VCH36PE17H204867	5VCHC6MF07H204968	5VCHC6MF27H204969	5VCHC6MF97H204970
5VCHC6MF97H204970	5VCDC6MF27H204971	5VCDC6MF47H204972	5VCDC6BE87H205018
5VCDC6BE87H205018	5VCDC6BEX7H205019	5VCDC6BE67H205020	5VCDC6BE87H205021
5VCDC6BE87H205021	5VCDC6MF47H205023	5VCDC6MF67H205024	5VCDC6MF77H205033
5VCDC6MF77H205033	5VCDC6MF07H205097	5VCDC6MF27H205098	5VCDC6MF47H205099
5VCDC6MF47H205099	5VCDC6MF77H205100	5VCDC6MF97H205101	5VCDC6MF07H205102
5VCDC6MF07H205102	5VCDC6MF27H205103	5VCDC6MF47H205104	5VCDC6MF67H205105
5VCDC6MF67H205105	5VCDC6MF87H205106	5VCDC6MFX7H205107	5VCDC6MF17H205108
5VCDC6MF17H205108	5VCDC6MF37H205109	5VCDC6MFX7H205110	5VCDC6MF17H205111
5VCDC6MF17H205111	5VCDC6MF37H205112	5VCDC6MF57H205113	5VCDC6MF77H205114
5VCDC6MF77H205114	5VCDC6MF97H205115	5VCDC6MF07H205116	5VCDC6MF27H205117
5VCDC6MF27H205117	5VCDC6MF47H205118	5VCDC6MF67H205119	5VCDC6MF27H205120
5VCDC6MF27H205120	5VCDC6MF47H205121	5VCDC6MF67H205122	5VCDC6MF87H205123
5VCDC6MF87H205123	5VCDC6MFX7H205124	5VCDC6MF17H205125	5VCDC6MF47H205135
5VCDC6MF47H205135	5VCDC6MF67H205136	5VCHC6PE67H205142	5VCHC6PE87H205143
5VCHC6PE87H205143	5VCHC6PEX7H205144	5VCDC6RE97H205289	5VCDC6RE57H205290

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5VCDC6RE57H205290	5VCDC6ME97H203646	5VCDC6ME07H203647	5VCDC6ME27H203648
5VCDC6ME27H203648	5VCDC6ME47H203649	5VCDC6ME07H203650	5VCDC6ME27H203651
5VCDC6ME27H203651	5VCDC6ME47H203652	5VCDC6ME67H203653	5VCDC6ME87H203654
5VCDC6ME87H203654	5VCDC6MEX7H203655	5VCDC6ME17H203656	5VCDC6ME37H203657
5VCDC6ME37H203657	5VCDC6ME57H203658	5VCDC6ME77H203659	5VCDC6BF37H203668
5VCDC6BF37H203668	5VCDC6BF57H203669	5VCDC6BF17H203670	5VCDC6MF97H203784
5VCDC6MF97H203784	5VCDC6MF07H203785	5VCDC6MF27H203786	5VCDC6MFX7H203891
5VCDC6MFX7H203891	5VCDC6MF47H203935	5VCDC6MF67H203936	5VCDC6MF87H203937
5VCDC6MF87H203937	5VCDC6MFX7H203938	5VCDC6MF17H203939	5VCDC6MF87H203940
5VCDC6MF87H203940	5VCDC6MFX7H203941	5VCDC6MF17H203942	5VCDC6MF37H203943
5VCDC6MF37H203943	5VCDC6MF57H203944	5VCDC6MF77H203945	5VCDC6MF97H203946
5VCDC6MF97H203946	5VCDC6MF07H203947	5VCDC6MF27H203948	5VCDC6MF47H203949
5VCDC6MF47H203949	5VCDC6MF07H203950	5VCDC6MF27H203951	5VCDC6MF47H203952
5VCDC6MF47H203952	5VCDC6MF67H203953	5VCDC6MF87H203954	5VCDC6MFX7H203955
5VCDC6MFX7H203955	5VCDC6MF17H203956	5VCDC6MF17H203990	5VCDC6MF37H203991
5VCDC6MF37H203991	5VCHC6PE67H204024	5VCHC6MF47H204035	5VCHC6MF67H204036
5VCHC6MF67H204036	5VCDC6BE37H204150	5VCDC6MFX7H204152	5VCDC6MF17H204153
5VCDC6MF17H204153	5VCDC6MF87H204165	5VCDC6MF17H204198	5VCDC6MF37H204199
5VCDC6MF37H204199	5VCDC6MF67H204200	5VCDC6MFX7H204216	5VCDC6MF17H204217
5VCDC6MF17H204217	5VCDC6MF37H204218	5VCDC6MF57H204219	5VCDC6MF17H204220
5VCDC6MF17H204220	5VCDC6MF37H204221	5VCDC6MF57H204222	5VCDC6MF77H204223
5VCDC6MF77H204223	5VCDC6MF97H204224	5VCDC6MF07H204225	5VCDC6MF27H204226
5VCDC6MF27H204226	5VCDC6MF47H204227	5VCDC6MF67H204228	5VCDC6MF87H204229
5VCDC6MF87H204229	5VCDC6MF47H204230	5VCDC6MF67H204231	5VCDC6MF87H204232
5VCDC6MF87H204232	5VCDC6MFX7H204233	5VCDC6MF17H204234	5VCDC6MF37H204235
5VCDC6MF37H204235	5VCDC6MF57H204236	5VCDC6MF27H204274	5VCDC6MF47H204275
5VCDC6MF47H204275	5VCDC6MF67H204276	5VCDC6MF87H204277	5VCDC6MFX7H204278
5VCDC6MFX7H204278	5VCDC6MF17H204279	5VCDC6MF37H204283	5VCDC6MF57H204284
5VCDC6MF57H204284	5VCHC6MF57H204285	5VCHC6MF77H204286	5VCHC6MF97H204287
5VCHC6MF97H204287	5VCHC6MF07H204288	5VCHC6MF27H204289	5VCHC6MF97H204290
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5VCHC6MF47H204293	5VCHC6MF67H204294	5VCHC6MF87H204295	5VCH36MF57H204299
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5VCHC6MF77H204305	5VCDC6MF97H204353	5VCDC6MF07H204354	5VCDC6MF27H204355
5VCDC6MF27H204355	5VCDC6MF47H204356	5VCDC6MF67H204357	5VCDC6MF17H204363
5VCDC6MF17H204363	5VCDC6MF37H204364	5VCDC6BE87H204371	5VCDC6BE57H204375

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5VCDC6BE57H204392	5VCDC6BE77H204393	5VCDC6BE97H204394	5VCHC6MF17H204395
5VCHC6MF17H204395	5VCHC6MF37H204396	5VCHC6MF57H204397	5VCHC6MF77H204398
5VCHC6MF77H204398	5VCHC6MF97H204399	5VCHC6MF17H204400	5VCHC6MF37H204401
5VCHC6MF37H204401	5VCHC6MF57H204402	5VCHC6MF77H204403	5VCHC6MF97H204404
5VCHC6MF97H204404	5VCHC6MF07H204405	5VCHC6MF27H204406	5VCHC6MF47H204407
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5VCDC6MF47H204423	5VCDC6RE67H204424	5VCHC6RE77H204434	5VCHC6RE97H204435
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5VCHC6RE57H204450	5VCHC6RE77H204451	5VCHC6RE97H204452	5VCDC6MF97H204479
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5VCHC6MF17H204493	5VCHC6FE87H204494	5VCHC6FEX7H204495	5VCDC6RE97H204496
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5VCDC6MF87H204506	5VCDC6MFX7H204507	5VCDC6MF17H204508	5VCDC6MF37H204509
5VCDC6MF37H204509	5VCDC6MFX7H204510	5VCDC6MF17H204511	5VCDC6MF37H204512
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5VCDC6MF47H204518	5VCDC6MF67H204519	5VCH36PE77H204520	5VCDC6BE17H204521
5VCDC6BE17H204521	5VCDC6BE37H204522	5VCDC6BE57H204523	5VCDC6BE77H204524
5VCDC6BE77H204524	5VCDC6BE97H204525	5VCHC6MF37H204527	5VCDC6KE47H204528
5VCDC6KE47H204528	5VCDC6MF97H204529	5VCDC6MF57H204530	5VCDC6MF77H204531
5VCDC6MF77H204531	5VCDC6MF97H204532	5VCDC6MF07H204533	5VCDC6ME37H204534
5VCDC6ME37H204534	5VCDC6FE97H204535	5VCDC6BG37H204537	5VCDC6MFX7H204538
5VCDC6MFX7H204538	5VCDC6MF17H204539	5VCDC6PE47H204540	5VCDC6PE67H204541

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5VCDC6MF57H204544	5VCDC6MF77H204545	5VCDC6MF97H204546	5VCDC6MF07H204547
5VCDC6MF07H204547	5VCDC6MF27H204548	5VCDC6MF47H204549	5VCDC6MF07H204550
5VCDC6MF07H204550	5VCDC6MF27H204551	5VCDC6MF47H204552	5VCDC6MF67H204553
5VCDC6MF67H204553	5VCDC6MF87H204554	5VCDC6MFX7H204555	5VCDC6BE97H204556
5VCDC6BE97H204556	5VCDC6BE07H204557	5VCDC6BE27H204558	5VCDC6BE17H204566
5VCDC6BE17H204566	5VCDC6MF67H204567	5VCDC6MF87H204568	5VCDC6MFX7H204569
5VCDC6MFX7H204569	5VCDC6MF67H204570	5VCDC6MF87H204571	5VCDC6MFX7H204572
5VCDC6MFX7H204572	5VCDC6MF17H204573	5VCDC6MF37H204574	5VCDC6MF57H204575
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5VCDC6BE97H204590	5VCDC6BE07H204591	5VCDC6BE27H204592	5VCDC6BE47H204593
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5VCHC6MF67H204618	5VCHC6MF87H204619	5VCD36PE27H204620	5VCDC6ME07H204622
5VCDC6ME07H204622	5VCDC6ME27H204623	5VCDC6ME47H204624	5VCDC6ME67H204625
5VCDC6ME67H204625	5VCDC6ME87H204626	5VCDC6MEX7H204627	5VCDC6ME17H204628
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5VCDC6ME87H204643	5VCDC6MEX7H204644	5VCDC6ME17H204645	5VCDC6ME37H204646
5VCDC6ME37H204646	5VCDC6ME57H204647	5VCDC6ME77H204648	5VCDC6ME97H204649
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5VCDC6ME47H204655	5VCDC6ME67H204656	5VCDC6ME87H204657	5VCDC6MEX7H204658
5VCDC6MEX7H204658	5VCDC6ME17H204659	5VCDC6ME87H204660	5VCDC6MEX7H204661
5VCDC6MEX7H204661	5VCDC6ME17H204662	5VCDC6ME37H204663	5VCDC6ME57H204664
5VCDC6ME57H204664	5VCDC6ME77H204665	5VCDC6ME97H204666	5VCDC6ME07H204667
5VCDC6ME07H204667	5VCDC6ME27H204668	5VCDC6MF37H204669	5VCDC6MFX7H204670

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5VCDC6MFX7H204670	5VCDC6MF17H204671	5VCDC6MF37H204672	5VCDC6MF57H204673
5VCDC6MF57H204673	5VCDC6MF77H204674	5VCDC6MF97H204675	5VCDC6MF07H204676
5VCDC6MF07H204676	5VCDC6MF27H204677	5VCDC6MF47H204678	5VCDC6MF67H204679
5VCDC6MF67H204679	5VCDC6MF27H204680	5VCDC6MF47H204681	5VCDC6MF67H204682
5VCDC6MF67H204682	5VCDC6MF87H204683	5VCHC6MF87H204684	5VCHC6MFX7H204685
5VCHC6MFX7H204685	5VCHC6MF17H204686	5VCDC6JE07H204687	5VCDC6BG27H204688
5VCDC6BG27H204688	5VCHC6FE17H204689	5VCHC6FE87H204690	5VCHC6FEX7H204691
5VCHC6FEX7H204691	5VCHC6FE17H204692	5VCHC6FE37H204693	5VCHC6MF07H204694
5VCHC6MF07H204694	5VCHC6MF27H204695	5VCHC6MF47H204696	5VCHC6MF67H204697
5VCHC6MF67H204697	5VCH36BE57H204698	5VCDC6MF47H204700	5VCDC6MF67H204701
5VCDC6MF67H204701	5VCDC6MF87H204702	5VCDC6REX7H204703	5VCDC6RE17H204704
5VCDC6RE17H204704	5VCDC6MF37H204705	5VCDC6MF57H204706	5VCDC6MF77H204707
5VCDC6MF77H204707	5VCDC6MF97H204708	5VCDC6MF07H204709	5VCDC6MF77H204710
5VCDC6MF77H204710	5VCDC6MF97H204711	5VCDC6MF07H204712	5VCDC6MF27H204713
5VCDC6MF27H204713	5VCDC6MF47H204714	5VCDC6MF67H204715	5VCDC6MFX7H204717
5VCDC6MFX7H204717	5VCDC6MF17H204718	5VCDC6MF37H204719	5VCDC6MFX7H204720
5VCDC6MFX7H204720	5VCDC6MF17H204721	5VCDC6MF37H204722	5VCDC6MF57H204723
5VCDC6MF57H204723	5VCDC6MF77H204724	5VCDC6MF97H204725	5VCDC6MF07H204726
5VCDC6MF07H204726	5VCDC6MF27H204727	5VCDC6MF47H204728	5VCDC6MF67H204729
5VCDC6MF67H204729	5VCDC6MF27H204730	5VCDC6MF47H204731	5VCDC6MF67H204732
5VCDC6MF67H204732	5VCDC6MF87H204733	5VCDC6MFX7H204734	5VCDC6MF17H204735
5VCDC6MF17H204735	5VCDC6MF37H204736	5VCDC6MF57H204737	5VCDC6MF77H204738
5VCDC6MF77H204738	5VCDC6MF97H204739	5VCDC6MF57H204740	5VCDC6MF77H204741
5VCDC6MF77H204741	5VCDC6MF97H204742	5VCDC6MF07H204743	5VCDC6MF27H204744
5VCDC6MF27H204744	5VCDC6MF47H204745	5VCDC6MF67H204746	5VCDC6MF87H204747
5VCDC6MF87H204747	5VCDC6MFX7H204748	5VCDC6MF17H204749	5VCDC6MF87H204750
5VCDC6MF87H204750	5VCDC6MFX7H204751	5VCDC6MF17H204752	5VCDC6MF37H204753
5VCDC6MF37H204753	5VCDC6MF57H204754	5VCDC6MF77H204755	5VCDC6MF97H204756
5VCDC6MF97H204756	5VCDC6MF07H204757	5VCDC6MF27H204758	5VCDC6MF47H204759
5VCDC6MF47H204759	5VCDC6MF07H204760	5VCDC6MF27H204761	5VCD36MF47H204762
5VCD36MF47H204762	5VCHC6MFX7H204766	5VCHC6MF17H204767	5VCHC6MF37H204768
5VCHC6MF37H204768	5VCHC6MF57H204769	5VCHC6MF17H204770	5VCHC6MF37H204771
5VCHC6MF37H204771	5VCHC6MF57H204772	5VCHC6MF77H204773	5VCHC6MF97H204774
5VCHC6MF97H204774	5VCHC6MF07H204775	5VCHC6MF27H204776	5VCHC6MF47H204777
5VCHC6MF47H204777	5VCHC6MF67H204778	5VCHC6MF87H204779	5VCHC6MF47H204780
5VCHC6MF47H204780	5VCHC6MF67H204781	5VCHC6MF87H204782	5VCHC6MFX7H204783

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5VCHC6MFX7H204783	5VCHC6MF17H204784	5VCHC6MF37H204785	5VCHC6MF57H204786
5VCHC6MF57H204786	5VCDC6MF97H204806	5VCDC6RE47H204809	5VCDC6MF07H204824
5VCDC6MF07H204824	5VCDC6BEX7H204825	5VCDC6MF47H204826	5VCDC6MF67H204827
5VCDC6MF67H204827	5VCH36MF67H204828	5VCDC6MFX7H204829	5VCDC6MF67H204830
5VCDC6MF67H204830	5VCDC6MF87H204831	5VCDC6MFX7H204832	5VCDC6MF17H204833
5VCDC6MF17H204833	5VCDC6MF37H204834	5VCDC6MF57H204835	5VCDC6MF77H204836
5VCDC6MF77H204836	5VCDC6MF97H204837	5VCDC6MF07H204838	5VCDC6MF27H204839
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5VCDC6MF27H204842	5VCDC6MF47H204843	5VCDC6MF67H204844	5VCDC6MF87H204845
5VCDC6MF87H204845	5VCDC6MFX7H204846	5VCDC6MF17H204847	5VCHC6MF17H204848
5VCHC6MF17H204848	5VCHC6MF37H204849	5VCHC6MFX7H204850	5VCHC6MF17H204851
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5VCHC6MF47H204987	5VCHC6MF67H204988	5VCHC6MF87H204989	5VCHC6MF47H204990
5VCHC6MF47H204990	5VCHC6MF67H204991	5VCHC6MF87H204992	5VCHC6MFX7H204993
5VCHC6MFX7H204993	5VCHC6MF17H204994	5VCHC6MF37H204995	5VCDC6MFX7H205009
5VCDC6MFX7H205009	5VCDC6MF67H205010	5VCDC6RE87H205011	5VCDC6REX7H205012
5VCDC6REX7H205012	5VCD36FE77H205022	5VCDC6BE77H205026	5VCHC6MFX7H205027
5VCHC6MFX7H205027	5VCHC6MF17H205028	5VCDC6BE27H205029	5VCDC6BE97H205030
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5VCDC6MF97H205034	5VCDC6MF07H205035	5VCDC6MF27H205036	5VCDC6MF47H205037
5VCDC6MF47H205037	5VCDC6MF67H205038	5VCDC6MF07H205049	5VCDC6MF77H205050
5VCDC6MF77H205050	5VCDC6MF97H205051	5VCDC6MF07H205052	5VCDC6MF27H205053
5VCDC6MF27H205053	5VCDC6MF47H205054	5VCDC6MF67H205055	5VCDC6MF87H205056
5VCDC6MF87H205056	5VCDC6MFX7H205057	5VCDC6MF17H205058	5VCDC6BE07H205059
5VCDC6BE07H205059	5VCDC6BE77H205060	5VCDC6BE97H205061	5VCDC6BE07H205062
5VCDC6BE07H205062	5VCDC6BE27H205063	5VCDC6BE47H205064	5VCDC6RE67H205072
5VCDC6RE67H205072	5VCDC6RE87H205073	5VCDC6REX7H205074	5VCDC6RE17H205075
5VCDC6RE17H205075	5VCDC6RE37H205076	5VCDC6RE57H205077	5VCDC6RE77H205078
5VCDC6RE77H205078	5VCDC6RE97H205079	5VCDC6RE57H205080	5VCDC6RE77H205081
5VCDC6RE77H205081	5VCDC6RE97H205082	5VCDC6RE07H205083	5VCDC6RE47H205085
5VCDC6RE47H205085	5VCDC6RE67H205086	5VCDC6MF17H205092	5VCDC6MF77H205145
5VCDC6MF77H205145	5VCDC6MF97H205146	5VCDC6MF07H205147	5VCDC6MF27H205148
5VCDC6MF27H205148	5VCDC6MF47H205149	5VCDC6MF07H205150	5VCDC6MF27H205151
5VCDC6MF27H205151	5VCDC6MF47H205152	5VCDC6MF67H205153	5VCDC6MF87H205154
5VCDC6MF87H205154	5VCDC6MFX7H205155	5VCDC6MF17H205156	5VCHC6MF17H205157

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5VCHC6MF17H205157	5VCHC6MF37H205158	5VCHC6MF57H205159	5VCHC6MF17H205160
5VCHC6MF17H205160	5VCHC6MF37H205161	5VCHC6MF57H205162	5VCHC6MF77H205163
5VCHC6MF77H205163	5VCHC6MF97H205164	5VCHC6MF07H205165	5VCHC6MF27H205166
5VCHC6MF27H205166	5VCHC6MF47H205167	5VCHC6MF67H205168	5VCD36ME27H205187
5VCD36ME27H205187	5VCD36ME47H205188	5VCD36ME67H205189	5VCDC6MF17H205190
5VCDC6MF17H205190	5VCDC6MF37H205191	5VCDC6BE47H205193	5VCDC6BE67H205194
5VCDC6BE67H205194	5VCDC6BE87H205195	5VCDC6MF07H205200	5VCDC6MF27H205201
5VCDC6MF27H205201	5VCDC6MF47H205202	5VCDC6MF67H205203	5VCDC6MF87H205204
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5VCDC6MF37H205207	5VCDC6MF57H205208	5VCDC6MF77H205209	5VCDC6MF37H205210
5VCDC6MF37H205210	5VCDC6MF77H205212	5VCDC6MF97H205213	5VCDC6MF07H205214
5VCDC6MF07H205214	5VCHC6RE17H205286	5VCHC6RE37H205287	5VCHC6RE57H205288
5VCHC6RE57H205288	5VCDC6MF97H205292	5VCDC6MF27H205294	5VCHC6MF87H205320
5VCHC6MF87H205320	5VCDC6KF17H205371	5VCDC6JF17H205372	5VCDC6MF07H204032

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SAFETY NOTICES

⚠ WARNING

To prevent eye injury, always wear eye protection when performing vehicle maintenance, service or inspection.

⚠ DANGER

Before working on a vehicle, set the parking brake, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

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REPAIR PROCEDURE - WX VEHICLES (LEFT SIDE DRIVER STATION)

Several steps in this repair procedure will reference the threaded fasteners securing the steering column to the mounting brackets, and securing the mounting brackets to the cab. The following fastener identification illustration *(Figure 1A)* has been provided to assist in locating each fastener as referenced by the repair procedure.

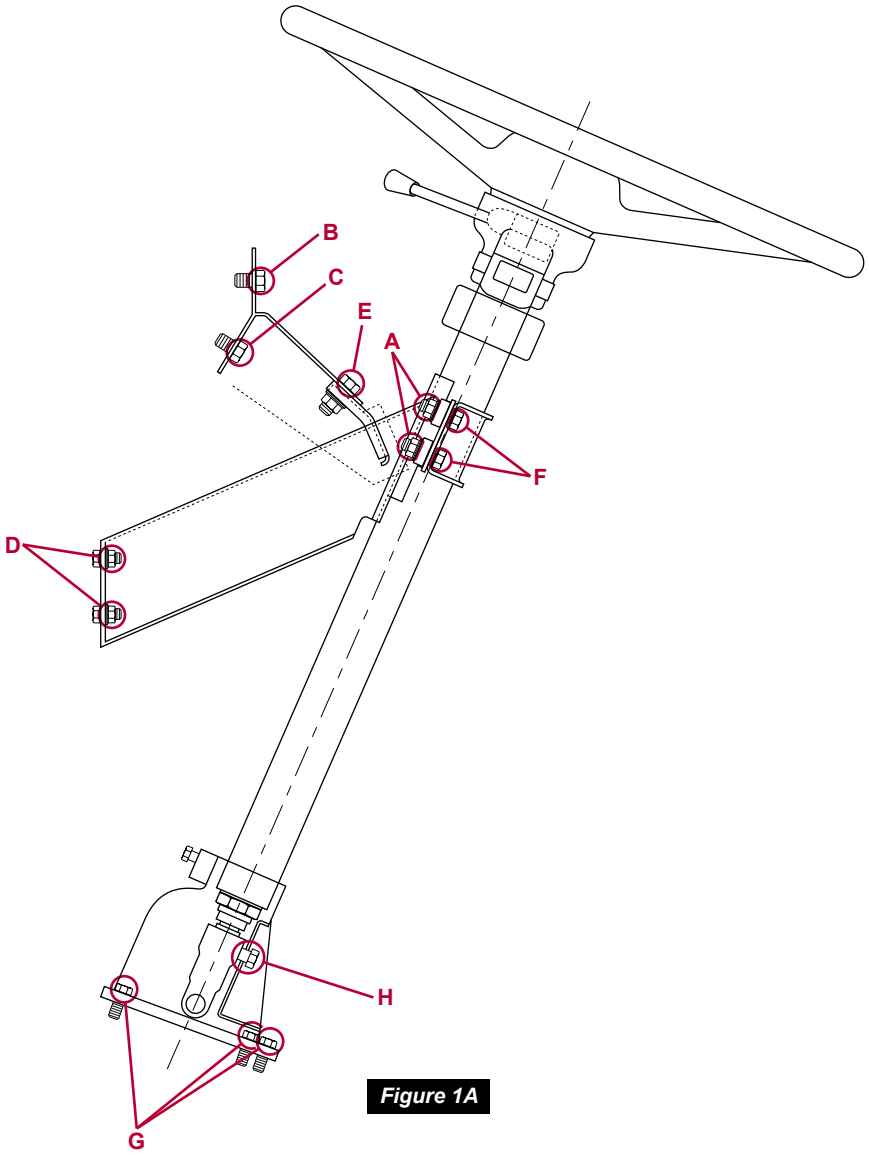

Figure 1A

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NOTE: Prior to disconnecting the battery in *Step 1,* it may be necessary to start the engine and turn the steering wheel in order to provide enough clearance to access steering column pinch bolt and hex nut with a box wrench and socket wrench later in this procedure. Shut down the engine after turning the steering wheel to the appropriate angle, set the parking brake, and chock the wheels.

STEP 1: Turn the battery disconnect switch to OFF, and lockout/tagout the switch so that the switch cannot be operated.

STEP 2: Remove the (3) threaded fasteners securing the front edge of the left side of the dashboard to the cab *(Figure 2)*.

NOTE: These fasteners will be #20 Torx fasteners *or* #2 Phillips screws.

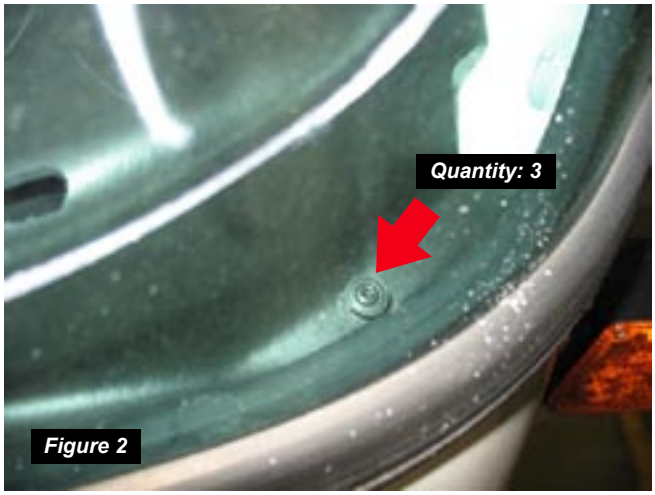

Figure 2

STEP 3: Using a #2 Phillips screwdriver, remove the (8) screws securing the instrument cluster to the dashboard *(Figure 3)*. Set the instrument cluster aside.

NOTE: It is not necessary to disconnect the electrical wiring to the back of the instrument cluster.


Figure 3

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STEP 4: Using a 4.5mm Allen key, remove the (2) Allen screws securing the lower edge of the dashboard on both sides of the steering column *(Figure 4)*.

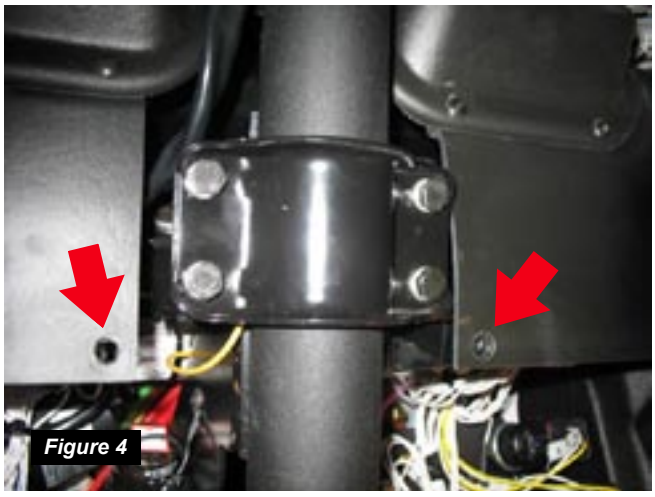

Figure 4

STEP 5: Using a 9/16” open-ended wrench, remove the (2) hex nuts *(Figure 1A, fastener A)* securing the diagnostic connector to the steering column *(Figure 5)*.

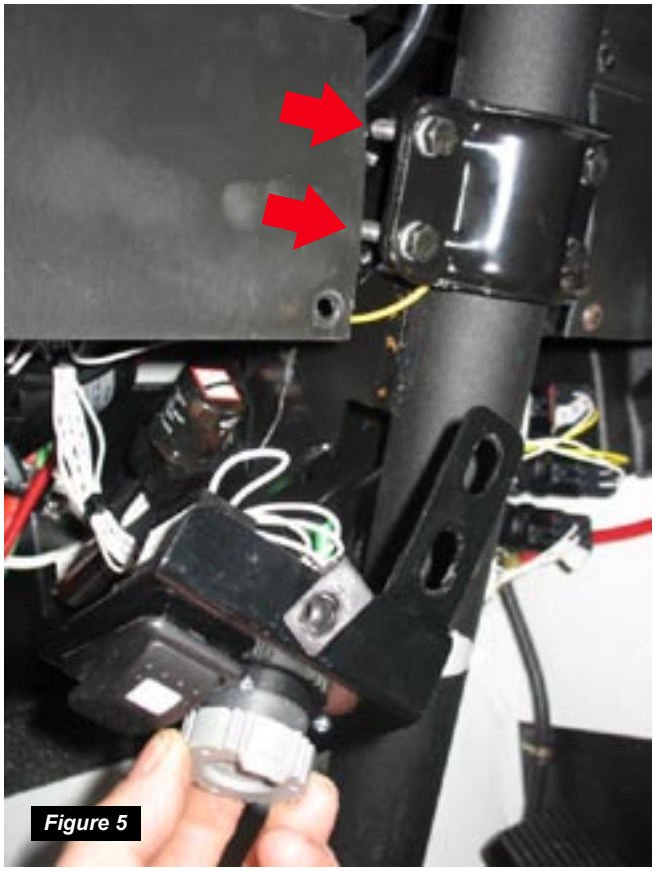

Figure 5

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STEP 6: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1A, fastener B)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 6)*.

NOTE: In order to access the hex head cap screws *(Fastener B)* shown in *Figure 6,* the loose end of the dashboard must be lifted upward by 3” to 4”.

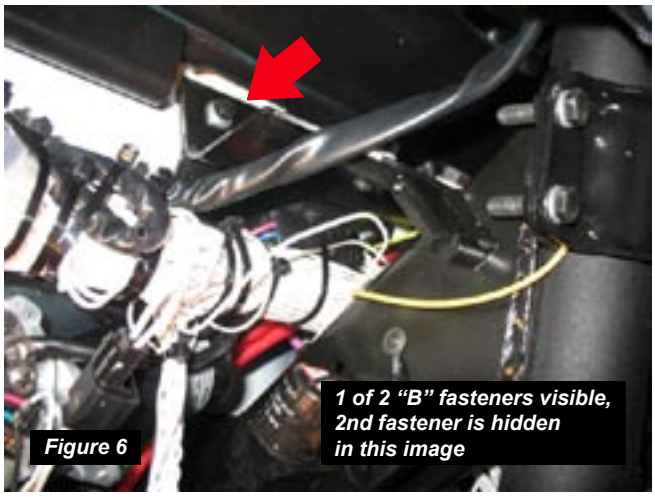

Figure 6

STEP 7: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1A, fastener C)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 7)*.

NOTE: The hex head cap screws *(Fastener C)* must be accessed from underneath the dashboard.

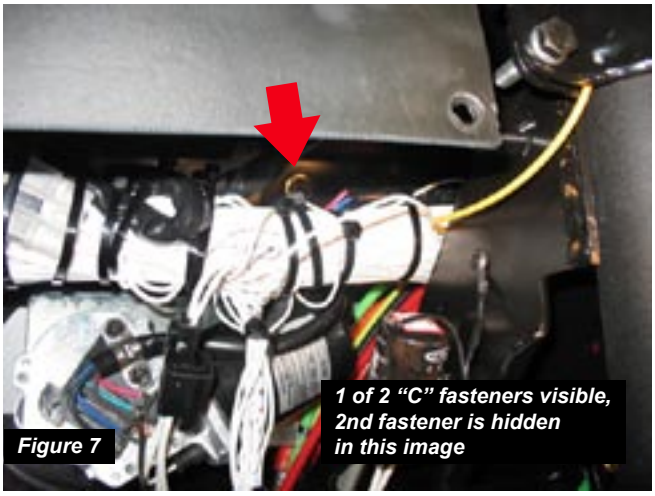

Figure 7

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STEP 8: Using a 1/2” socket, torque the (4) hex nuts *(Figure 1A, fastener D)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 8)*.

NOTE: The hex head cap screws *(Fastener D)* must be accessed from beneath the dashboard.

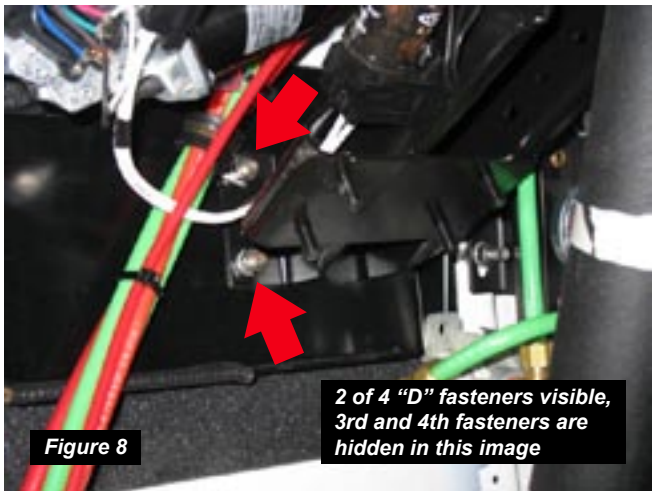

Figure 8

STEP 9: Using a 5/8” socket, torque the (2) hex head cap screws *(Figure 1A, fastener E)* to 55 ft-lbs (± 5 ft-lbs) *(Figure 9)*.

NOTE: The hex head cap screws *(Fastener E)* can be accessed through the opening in the dashboard where the instrument cluster had been installed.

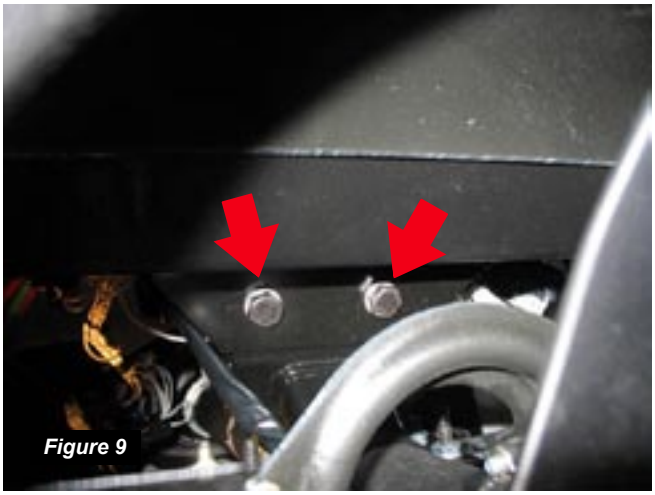

Figure 9

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STEP 10: Using a 9/16” socket, torque the (4) hex head cap screws *(Figure 1A, fastener F)* to 35 ft-lbs (± 3 ft-lbs) *(Figure 10)*.

STEP 11: Torque the fasteners securing the steering column clamp to the mounting bracket to 35 ft-lbs (± 3 ft-lbs), **in the order shown** in *Figure 10*.

STEP 12: Repeat the sequence as shown in *Figure 10,* torquing all fasteners again to a value of 35 ft-lbs (± 3 ft-lbs).

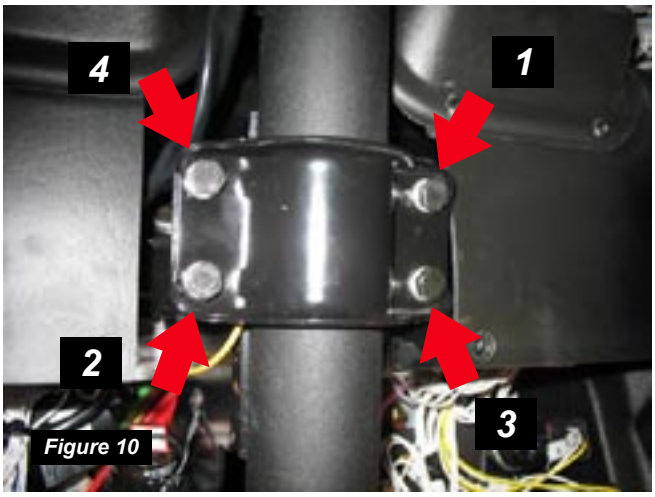

Figure 10

STEP 13: Using a 1/2” socket, torque the (4) hex head cap screws *(Figure 1A, fastener G)* to 18 ft-lbs (± 2 ft-lbs) *(Figure 11)*.

NOTE: There is a 4th fastener which is hidden from view in *Figure 11* which must be torqued.

STEP 14: Using a #2 Phillips screw driver, remove the cover over the steering column universal joint *(Figure 11)*.

STEP 15: Using the torque wrench with a 11/16” socket and the 5/8” box wrench, apply 60 ft-lbs (± 6 ft-lbs) to the universal joint pinch bolt *(Figure 1A, fastener H)*.

NOTE: It may be necessary to turn the steering wheel in order to orient the pinch bolt and hex nut in a more accessible position for the box wrench and socket wrench to be used.

STEP 16: Re-install the universal joint cover using the #2 Phillips screw driver and screws.

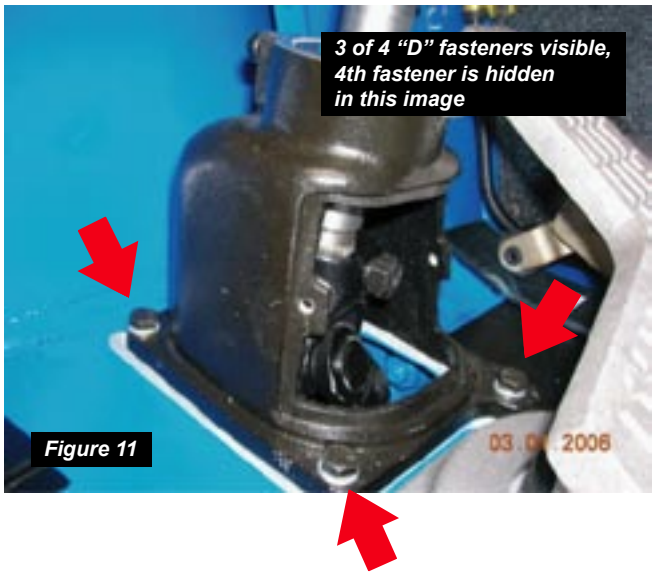

Figure 11

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STEP 17: Install the diagnostic connector on the steering column, using the (2) 9/16" hex nuts *(Figure 1A, fastener A)* that were removed in *Step 5 (Figure 12)*.

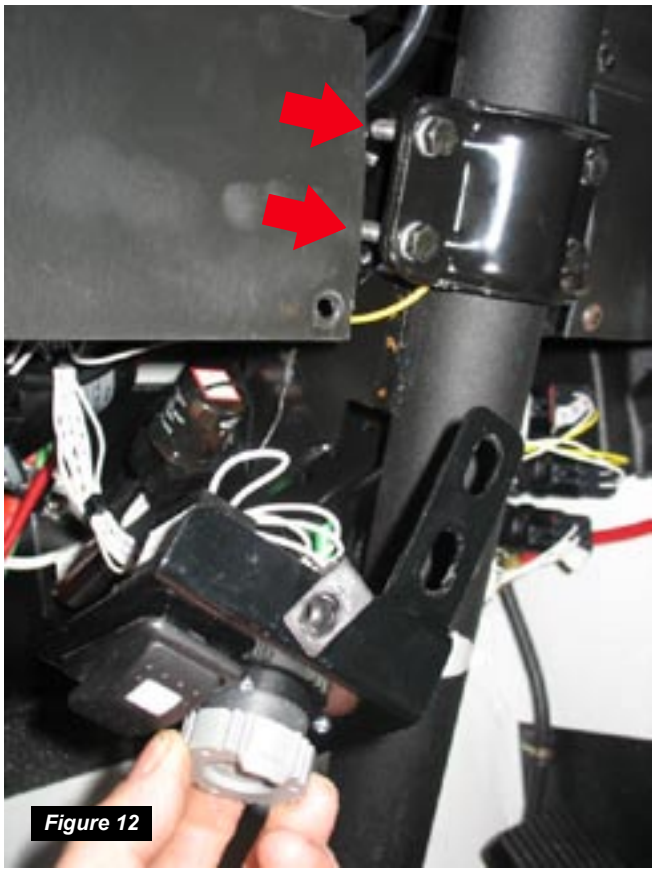

Figure 12

STEP 18: Seat the dashboard firmly in place, and install the two Allen screws removed in *Step 4* to secure the lower edge of the dashboard *(Figure 13)*.

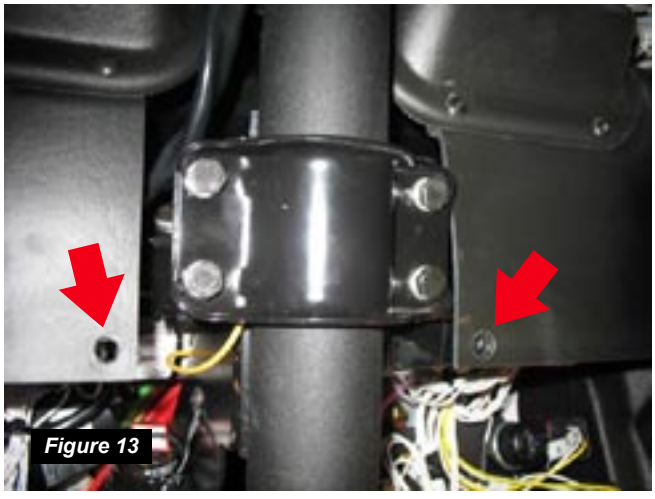

Figure 13

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STEP 19: Install the (3) threaded fasteners securing the front edge of the left side of the dashboard *(Figure 14)*.

Figure 14

STEP 20: Install the instrument cluster using the (8) Phillips screws removed in *Step 3 (Figure 15)*.

STEP 21: Remove the lockout/tagout protection equipment installed in *Step 1* and turn the battery disconnect switch to ON.

This concludes the repair procedure for WX (left side driver station) vehicles.

Figure 15

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REPAIR PROCEDURE - WXR VEHICLES (RIGHT SIDE DRIVER STATION)

Several steps in this repair procedure will reference the threaded fasteners securing the steering column to the mounting brackets, and securing the mounting brackets to the cab. The following fastener identification illustration *(Figure 1B)* has been provided to assist in locating each fastener as referenced by the repair procedure.

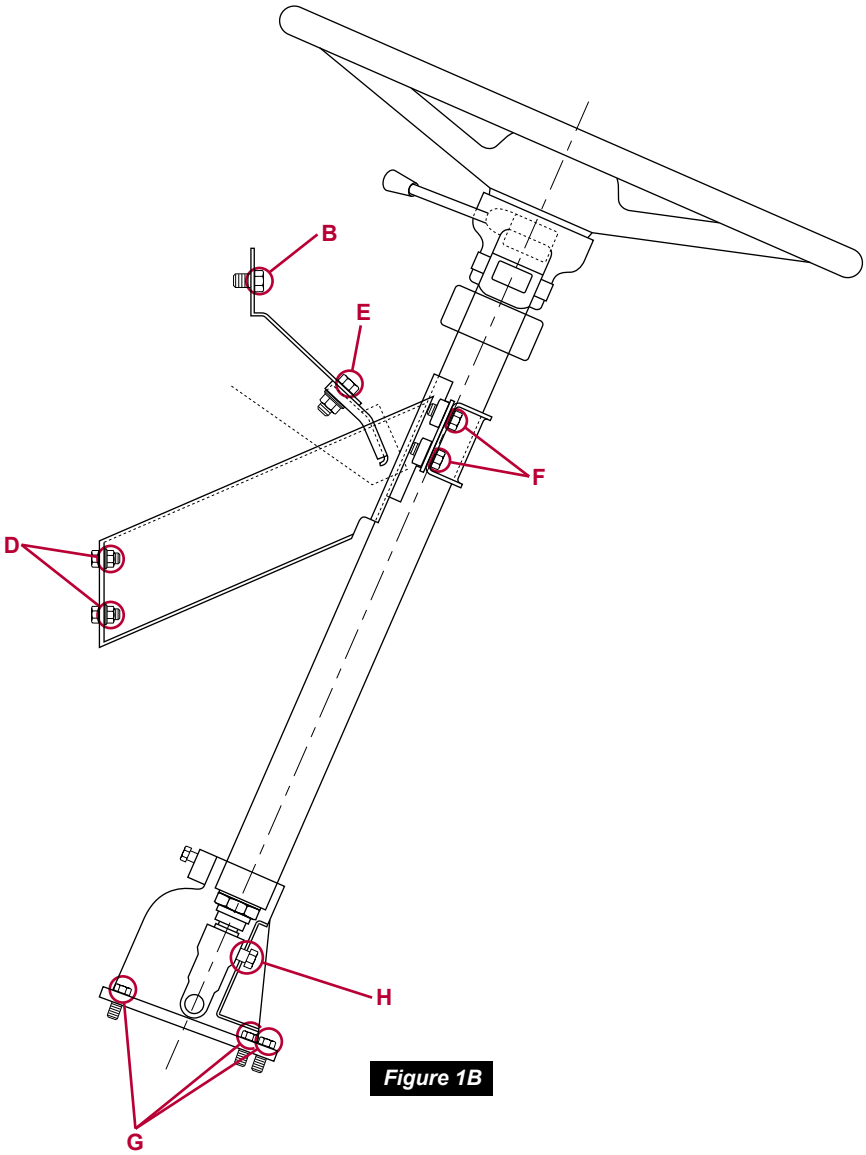

Figure 1B

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NOTE: Prior to disconnecting the battery in *Step 1,* it may be necessary to start the engine and turn the steering wheel in order to provide enough clearance to access steering column pinch bolt and hex nut with a box wrench and socket wrench later in this procedure. Shut down the engine after turning the steering wheel to the appropriate angle, set the parking brake, and chock the wheels.

STEP 1: Turn the battery disconnect switch to OFF, and lockout/tagout the switch so that the switch cannot be operated.

STEP 2: Remove the (3) threaded fasteners securing the front edge of the right side of the dashboard to the cab *(Figure 16)*.

NOTE: These fasteners will be #20 Torx fasteners *or* #2 Phillips screws.

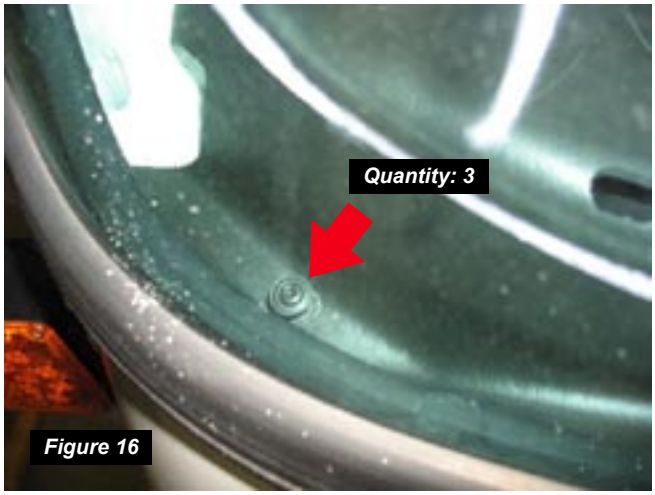

Figure 16

STEP 3: Using a #2 Phillips screwdriver, remove the (8) screws securing the instrument cluster to the dashboard *(Figure 17)*. Set the instrument cluster aside.

NOTE: It is not necessary to disconnect the electrical wiring to the back of the instrument cluster.


Figure 17

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STEP 4: Using a 4.5mm Allen key, remove the (2) Allen screws securing the lower edge of the dashboard on both sides of the steering column *(Figure 18)*.

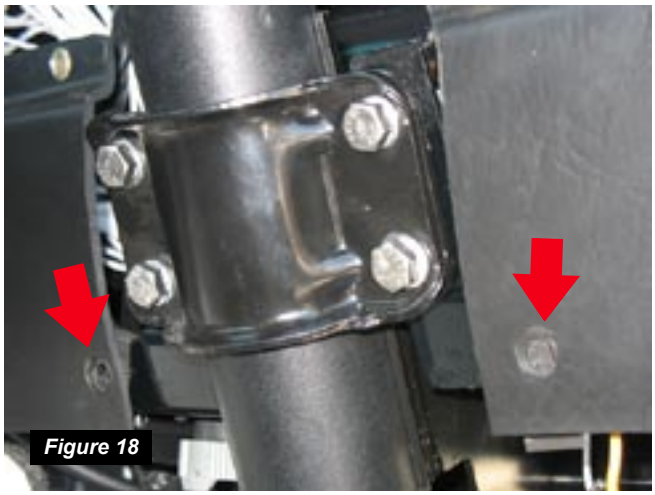

Figure 18

STEP 5: Using a 1/2" socket, torque the (2) hex head cap screws *(Figure 1B, fastener B)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 19)*.

NOTE: In order to access the hex head cap screws *(Fastener B)* referenced in *Figure 19,* the loose end of the dashboard must be lifted upward by 3" to 4".

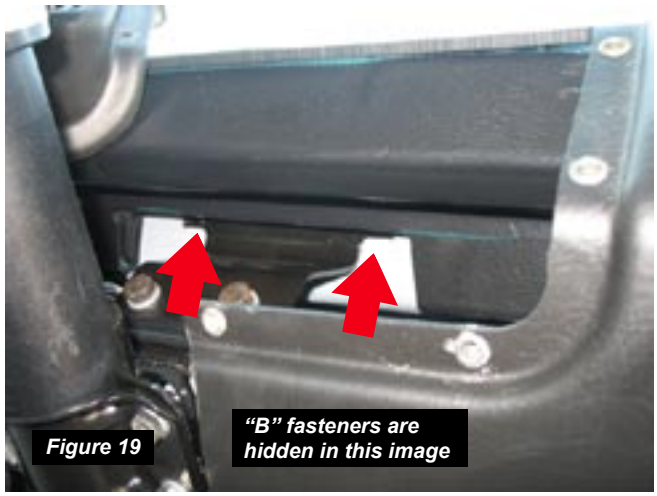

Figure 19

"B" fasteners are hidden in this image

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STEP 6: Using a 1/2” socket, torque the (4) hex nuts *(Figure 1B, fastener D)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 20)*.

NOTE: The hex head cap screws *(Fastener D)* must be accessed from beneath the dashboard.

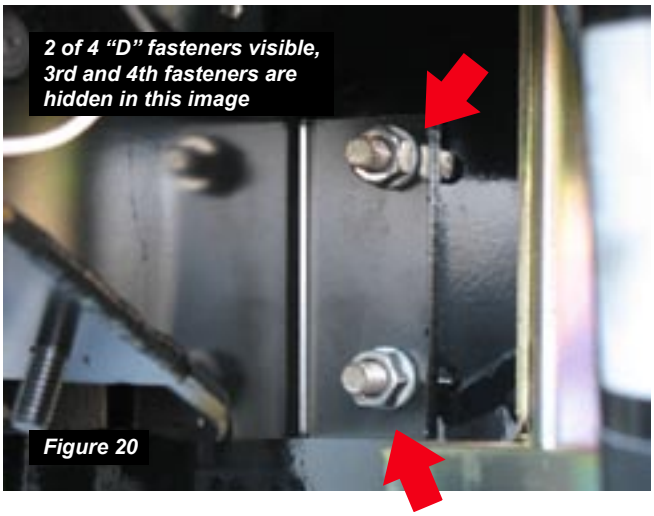

Figure 20

STEP 7: Using a 5/8” socket, torque the (2) hex head cap screws *(Figure 1B, fastener E)* to 55 ft-lbs (± 5 ft-lbs) *(Figure 21)*.

NOTE: The hex head cap screws *(Fastener E)* can be accessed through the opening in the dashboard where the instrument cluster had been installed.

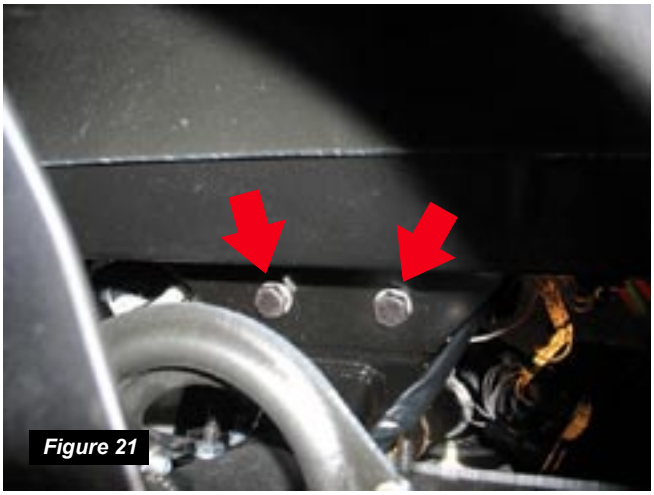

Figure 21

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STEP 8: Using a 9/16” socket, torque the (4) hex head cap screws *(Figure 1B, fastener F)* to 35 ft-lbs (± 3 ft-lbs) *(Figure 22)*.

STEP 9: Torque the fasteners securing the steering column clamp to the mounting bracket to 35 ft-lbs (± 3 ft-lbs), **in the order shown** in *Figure 22*.

STEP 10: Repeat the sequence as shown in *Figure 22,* torquing all fasteners again to a value of 35 ft-lbs (± 3 ft-lbs).

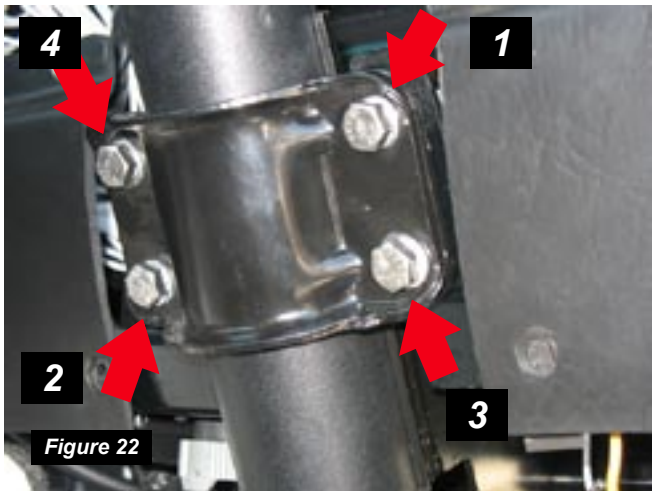

Figure 22

STEP 11: Using a 1/2” socket, torque the (4) hex head cap screws *(Figure 1B, fastener G)* to 18 ft-lbs (± 2 ft-lbs) *(Figure 23)*.

NOTE: There are a 3rd and 4th fastener which are hidden from view in *Figure 23* which must be torqued.

STEP 12: Using a #2 Phillips screw driver, remove the cover over the steering column universal joint *(Figure 23)*.

STEP 13: Using the torque wrench with a 11/16” socket and the 5/8” box wrench, apply 60 ft-lbs (± 6 ft-lbs) to the universal joint pinch bolt *(Figure 1B, fastener H)*.

NOTE: It may be necessary to turn the steering wheel in order to orient the pinch bolt and hex nut in a more accessible position for the box wrench and socket wrench to be used.

STEP 14: Re-install the universal joint cover using the #2 Phillips screw driver and screws.

Figure 23

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STEP 15: Seat the dashboard firmly in place, and install the (3) threaded fasteners securing the front edge of the right side of the dashboard *(Figure 24)*.

STEP 16: Install the instrument cluster using the (8) Phillips screws removed in *Step 3*.

STEP 17: Remove the lockout/tagout protection equipment installed in *Step 1* and turn the battery disconnect switch to ON.

This concludes the repair procedure for WXR (right side driver station) vehicles.

Figure 24

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REPAIR PROCEDURE - WX *DUAL* VEHICLES (DUAL DRIVER STATION)

Several steps in this repair procedure will reference the threaded fasteners securing the steering column to the mounting brackets, and securing the mounting brackets to the cab. The following fastener identification illustration *(Figure 1C)* has been provided to assist in locating each fastener as referenced by the repair procedure.

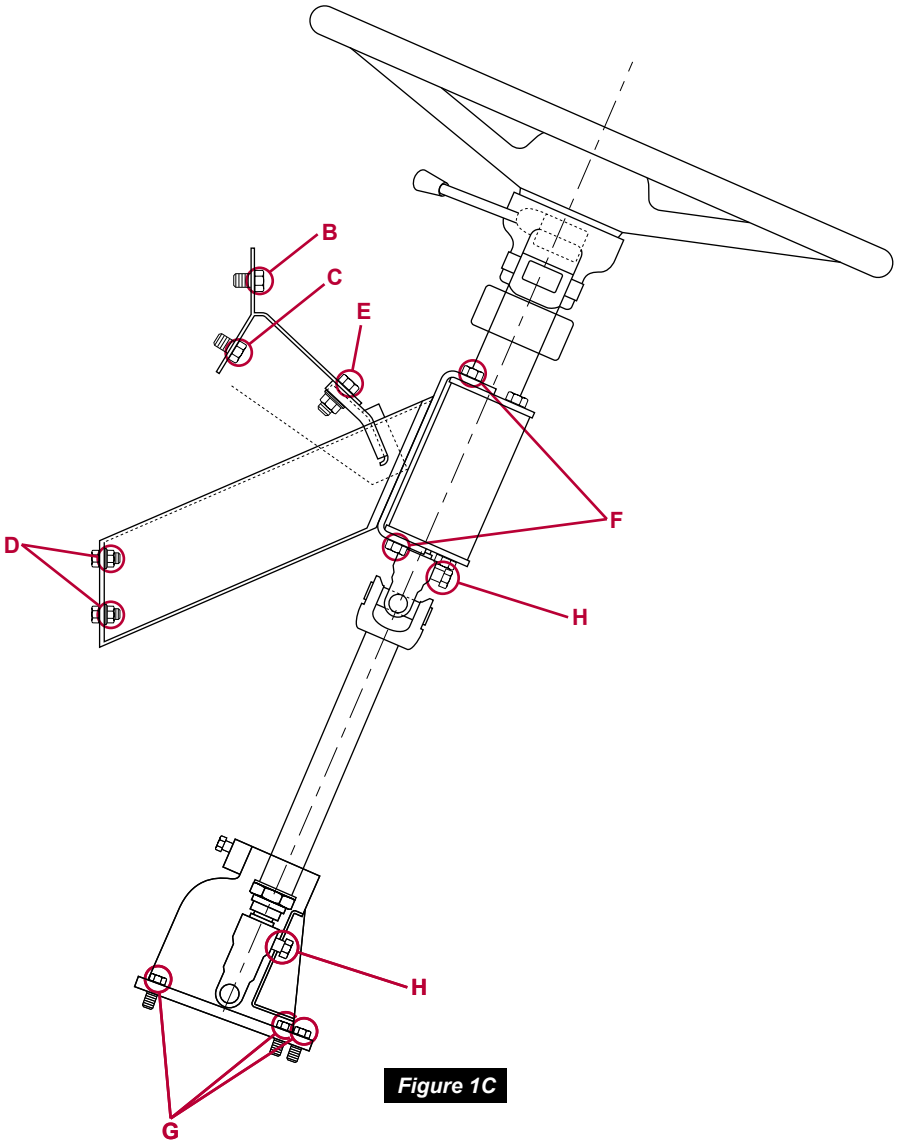

Figure 1C

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NOTE: Prior to disconnecting the battery in *Step 1,* it may be necessary to start the engine and turn the steering wheel in order to provide enough clearance to access steering column pinch bolt and hex nut with a box wrench and socket wrench later in this procedure. Shut down the engine after turning the steering wheel to the appropriate angle, set the parking brake, and chock the wheels.

STEP 1: Turn the battery disconnect switch to OFF, and lockout/tagout the switch so that the switch cannot be operated.

STEP 2: Remove the (3) threaded fasteners securing the front edge of the left side of the dashboard to the cab *(Figure 25)*.

NOTE: These fasteners will be #20 Torx fasteners *or* #2 Phillips screws.

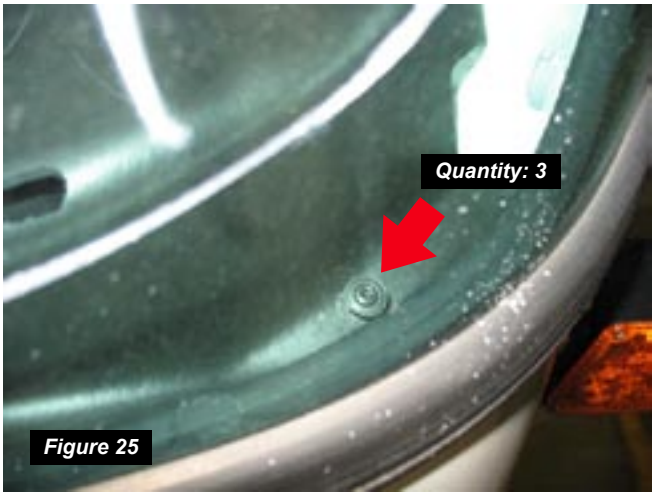

Figure 25

STEP 3: Using a #2 Phillips screwdriver, remove the (8) screws securing the instrument cluster to the dashboard *(Figure 26)*. Set the instrument cluster aside.

NOTE: It is not necessary to disconnect the electrical wiring to the back of the instrument cluster.


Figure 26

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STEP 4: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1D, fastener B)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 27)*.

NOTE: In order to access the hex head cap screws *(Fastener B)* referenced in *Figure 27,* the loose end of the dashboard must be lifted upward by 3” to 4”.

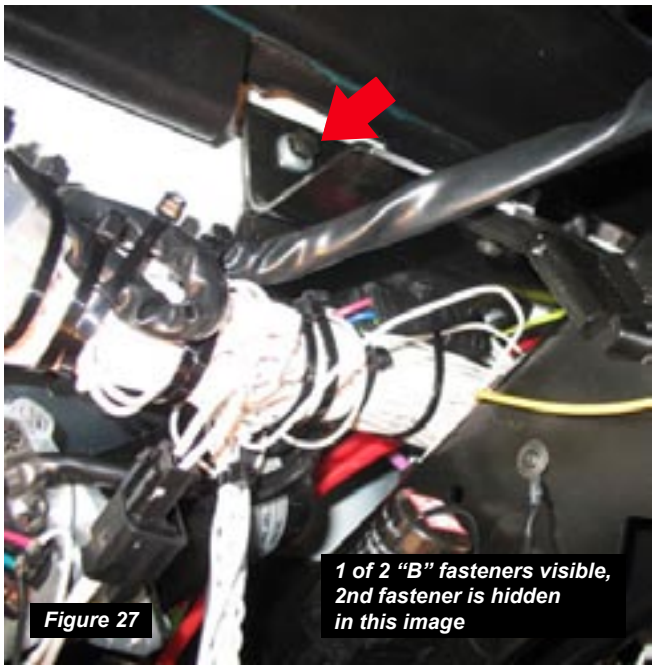

Figure 27

STEP 5: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1D, fastener C)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 28)*.

NOTE: The hex head cap screws *(Fastener C)* must be accessed from beneath the dashboard.

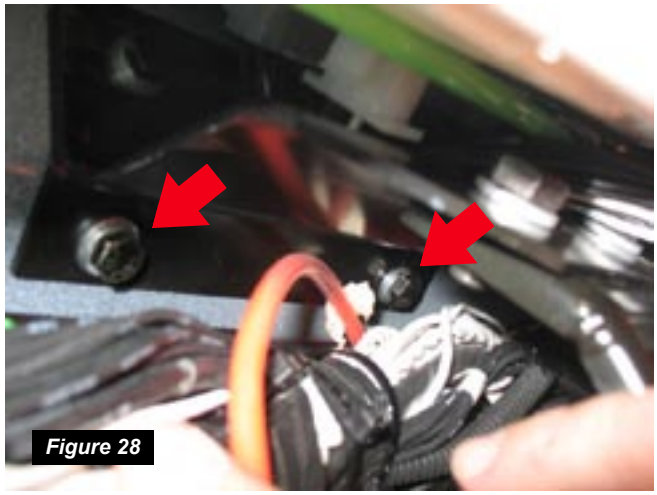

Figure 28

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STEP 6: Using a 1/2” socket, torque the (4) hex nuts *(Figure 1D, fastener D)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 29)*.

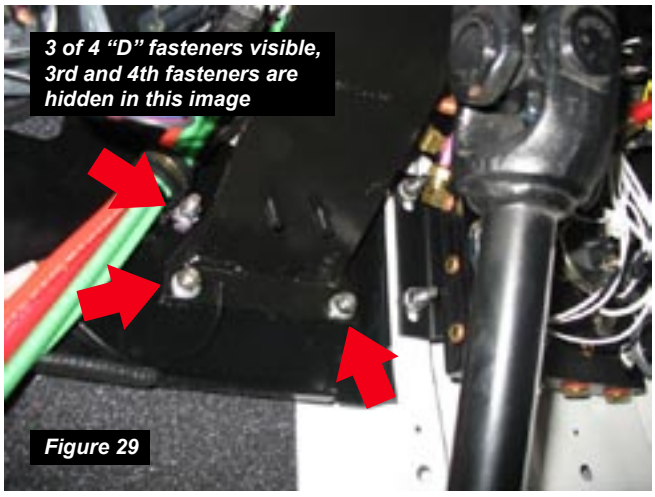

Figure 29

STEP 7: Using a 5/8” socket, torque the (2) hex head cap screws *(Figure 1D, fastener E)* to 55 ft-lbs (± 5 ft-lbs) *(Figure 30)*.

NOTE: The hex head cap screws *(Fastener E)* can be accessed through the opening in the dashboard where the instrument cluster had been installed.

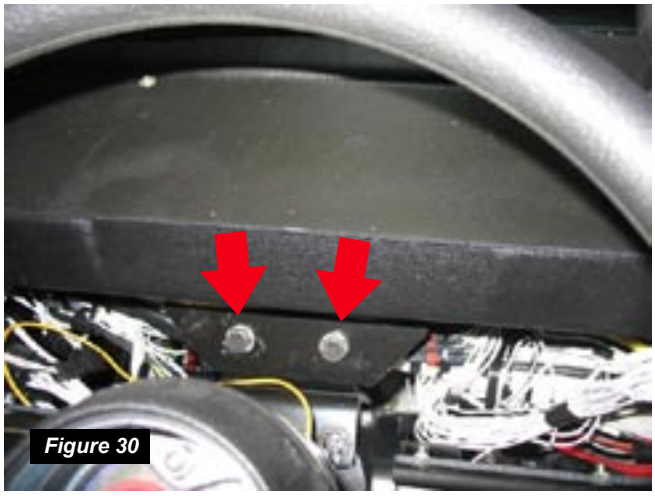

Figure 30

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STEP 8: Using a 1/2" socket, torque the (4) hex head cap screws *(Figure 1D, fastener F)* to 13-17 ft-lbs *(Figures 31 and 32)*.

NOTE: There are a (2) additional fasteners which are hidden from view in *Figures 31 and 32* which must be torqued.

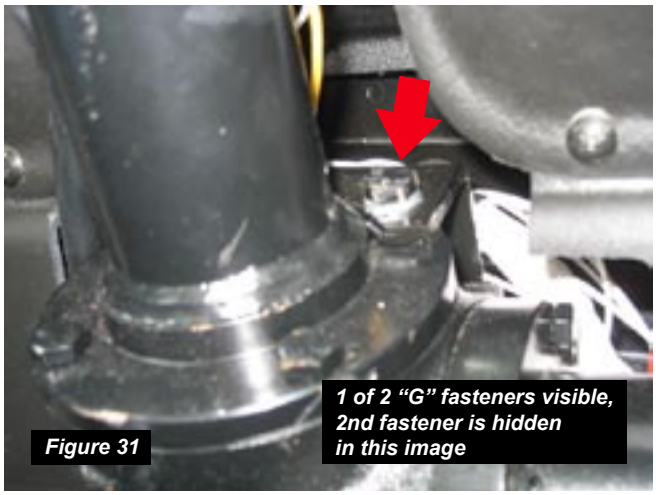

Figure 31

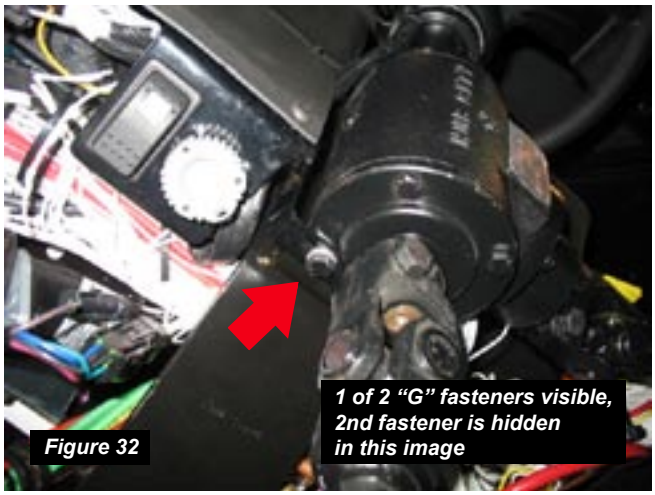

Figure 32

STEP 9: Using a #2 Phillips screw driver, remove the cover over the lower steering column universal joint *(Figure 33)*.

Figure 33

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STEP 10: Using the torque wrench with a 11/16” socket and the 5/8” box wrench, apply 60 ft-lbs (± 6 ft-lbs) to the upper and lower universal joint pinch bolts *(Figure 1D, fastener H) (Figures 34 and 35)*.

NOTE: It may be necessary to turn the steering wheel in order to orient the pinch bolt and hex nut in a more accessible position for the box wrench and socket wrench to be used.

STEP 11: Re-install the lower universal joint cover using the #2 Phillips screw driver and screws.

Figure 34

Figure 35

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STEP 12: Seat the dashboard firmly in place, and install the (3) threaded fasteners securing the front edge of the left side of the dashboard *(Figure 36)*.

STEP 13: Install the instrument cluster using the (8) Phillips screws removed in *Step 3*.

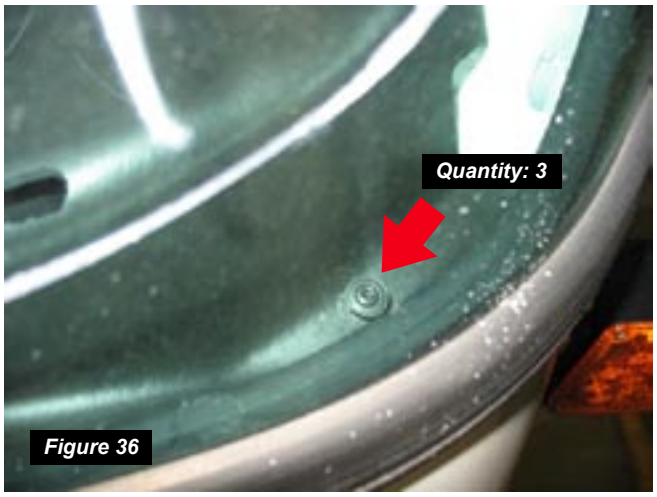

Figure 36

STEP 14: Using a 1/2” socket, torque the (3) hex head cap screws to 13 ft-lbs (± 2 ft-lbs) *(Figure 37)*.

STEP 15: Using a 1/2” socket, torque the (3) hex head cap screws to 14 ft-lbs (± 2 ft-lbs) *(Figure 38)*.

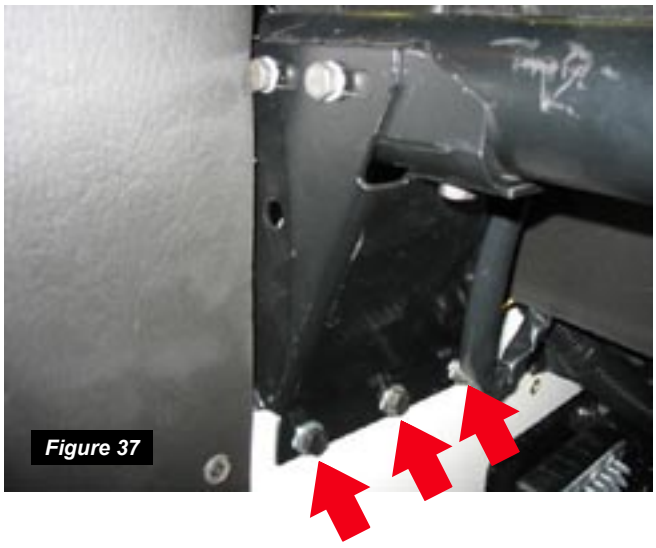
Figure 37

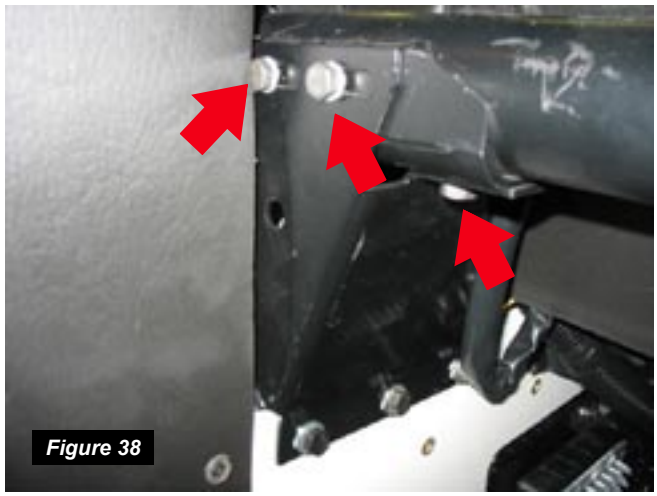
Figure 38

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STEP 16: Using a #2 Phillips screwdriver, remove the (6) screws securing the joystick panel *(Figure 39)*. Set the panel aside.

Figure 39

STEP 17: Using a 1/2” socket, torque the (2) hex head cap screws to 13 ft-lbs (± 2 ft-lbs) *(Figure 40)*.

STEP 18: Re-install the joystick panel using the #2 Phillips screw driver and screws.

STEP 19: Remove the lockout/tagout protection equipment installed in *Step 1* and turn the battery disconnect switch to ON.

This concludes the repair procedure for WX Dual (dual driver station) vehicles.

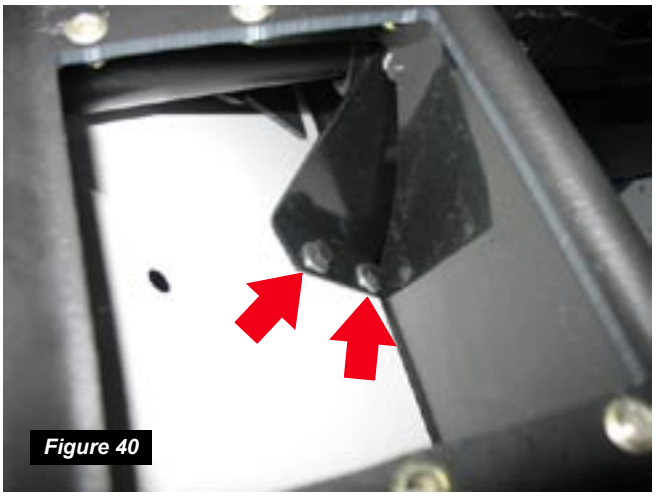

Figure 40

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REPAIR PROCEDURE - WXLL VEHICLES (LEFT SIDE DRIVER STATION)

Several steps in this repair procedure will reference the threaded fasteners securing the steering column to the mounting brackets, and securing the mounting brackets to the cab. The following fastener identification illustration *(Figure 1D)* has been provided to assist in locating each fastener as referenced by the repair procedure.

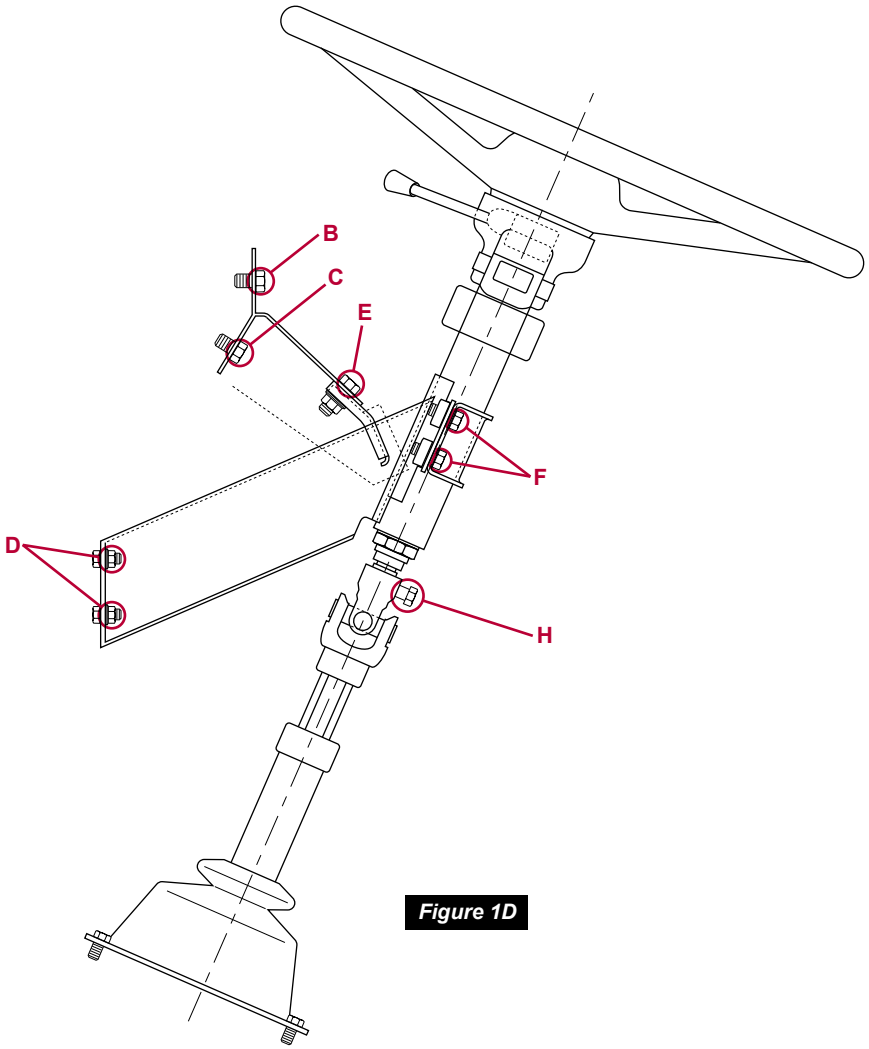

Figure 1D

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NOTE: Prior to disconnecting the battery in *Step 1,* it may be necessary to start the engine and turn the steering wheel in order to provide enough clearance to access steering column pinch bolt and hex nut with a box wrench and socket wrench later in this procedure. Shut down the engine after turning the steering wheel to the appropriate angle, set the parking brake, and chock the wheels.

STEP 1: Turn the battery disconnect switch to OFF, and lockout/tagout the switch so that the switch cannot be operated.

STEP 2: Using a #2 Phillips screwdriver, remove the (8) screws securing the instrument panel bezel and instrument panel cluster to the dashboard *(Figure 41)*.

STEP 3: Remove the instrument bezel and instrument tray from the dashboard and set them aside *(Figure 42)*.

NOTE: In *Figure 42,* the steering wheel has been removed for clarity only. It is not necessary to remove the steering wheel to perform this repair procedure.

NOTE: It is not necessary to disconnect the electrical wiring to the back of the instrument cluster.

Figure 41


Figure 42

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STEP 4: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1D, fastener B)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 43)*.

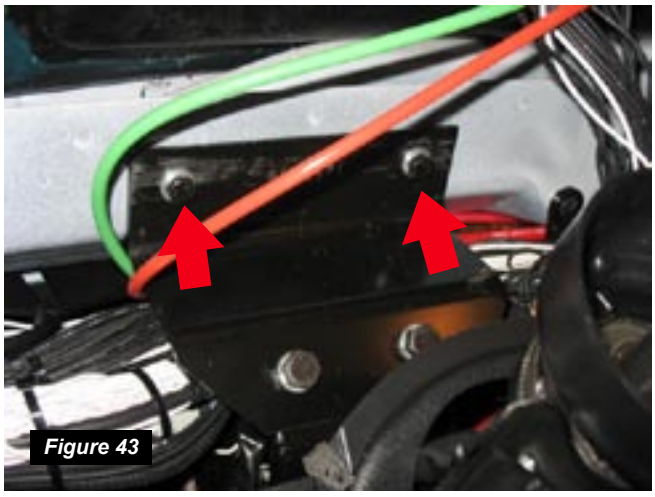

Figure 43

STEP 5: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1D, fastener C)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 44)*.

NOTE: The hex head cap screws *(Fastener C)* must be accessed from underneath the dashboard.

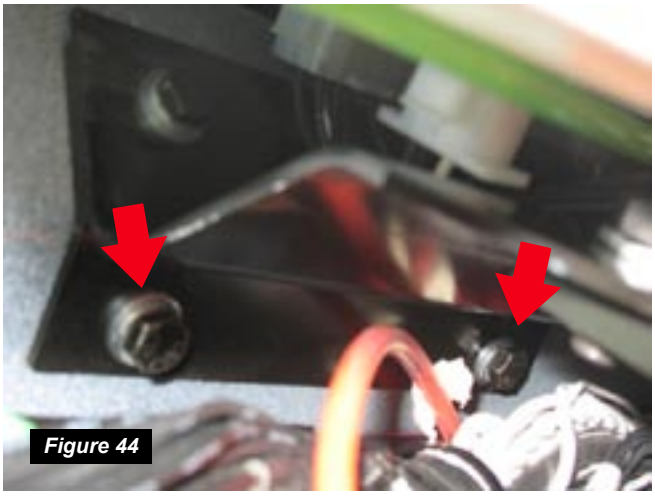

Figure 44

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STEP 6: Using a 1/2” socket, torque the (4) hex head cap screws *(Figure 1D, fastener D)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 45)*.

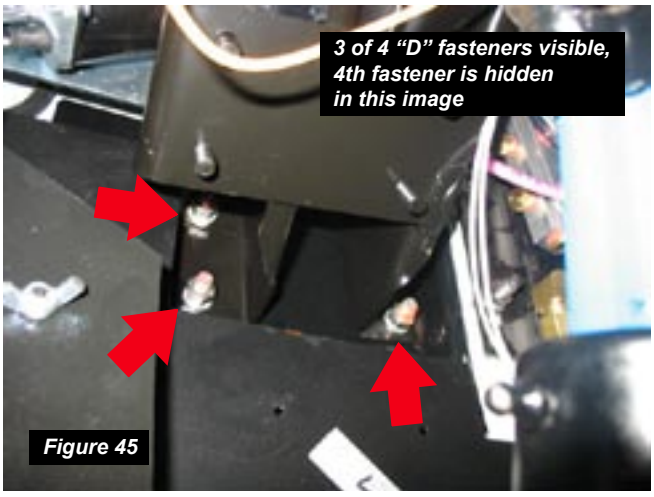

Figure 45

STEP 7: Using a 5/8” socket, torque the (2) hex head cap screws *(Figure 1D, fastener E)* to 55 ft-lbs (± 5 ft-lbs) *(Figure 46)*.

NOTE: The hex head cap screws *(Fastener E)* can be accessed through the same opening in the dashboard from where the instrument cluster has been removed.

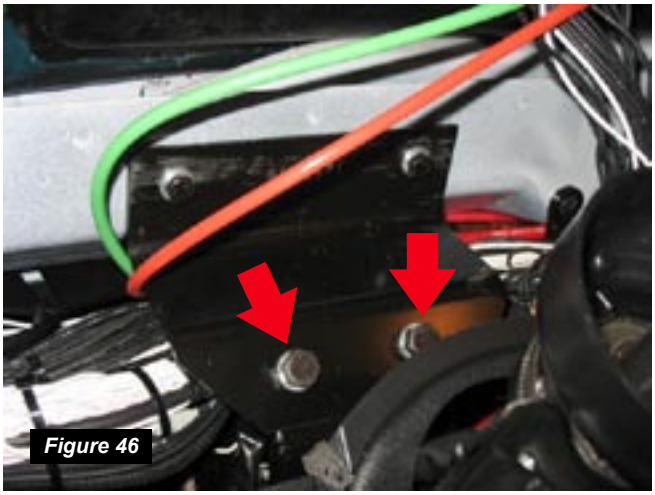

Figure 46

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STEP 8: Using a 9/16” socket, torque the (4) hex head cap screws *(Figure 1D, fastener F)* to 35 ft-lbs (± 3 ft-lbs) *(Figure 47)*.

STEP 9: Torque the fasteners securing the steering column clamp to the mounting bracket to 35 ft-lbs (± 3 ft-lbs), **in the order shown** in *Figure 47*.

STEP 10: Repeat the sequence as shown in *Figure 47,* torquing all fasteners again to a value of 35 ft-lbs (± 3 ft-lbs).

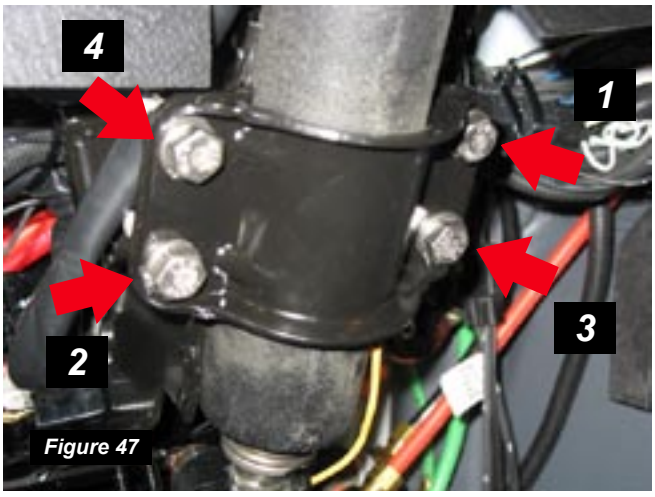

Figure 47

STEP 11: Using the torque wrench with a 11/16” socket and the 5/8” box wrench, apply 60 ft-lbs (± 6 ft-lbs) to the universal joint pinch bolt *(Figure 48)*.

NOTE: It may be necessary to turn the steering wheel in order to orient the pinch bolt and hex nut in a more accessible position for the box wrench and socket wrench to be used.

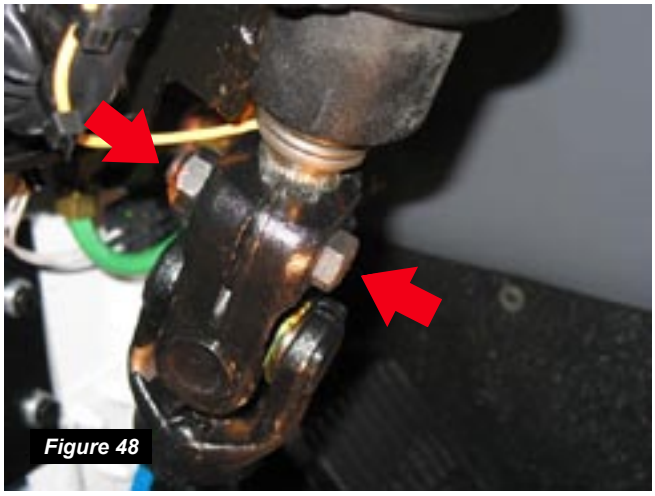
Figure 48

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STEP 12: Install the instrument bezel and instrument tray using the (8) Phillips screws removed in *Step 2 (Figure 49)*.

STEP 13: Remove the lockout/tagout protection equipment installed in *Step 1* and turn the battery disconnect switch to ON.

This concludes the repair procedure for WXLL (left side driver station) vehicles.

Figure 49

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REPAIR PROCEDURE - WXLL *DUAL* VEHICLES (DUAL DRIVER STATION)

Several steps in this repair procedure will reference the threaded fasteners securing the steering column to the mounting brackets, and securing the mounting brackets to the cab. The following fastener identification illustration *(Figure 1E)* has been provided to assist in locating each fastener as referenced by the repair procedure.

NOTE: Prior to disconnecting the battery in *Step 1,* it may be necessary to start the engine and turn the steering wheel in order to provide enough clearance to access steering column pinch bolt and hex nut with a box wrench and socket wrench later in this procedure. Shut down the engine after turning the steering wheel to the appropriate angle, set the parking brake, and chock the wheels.

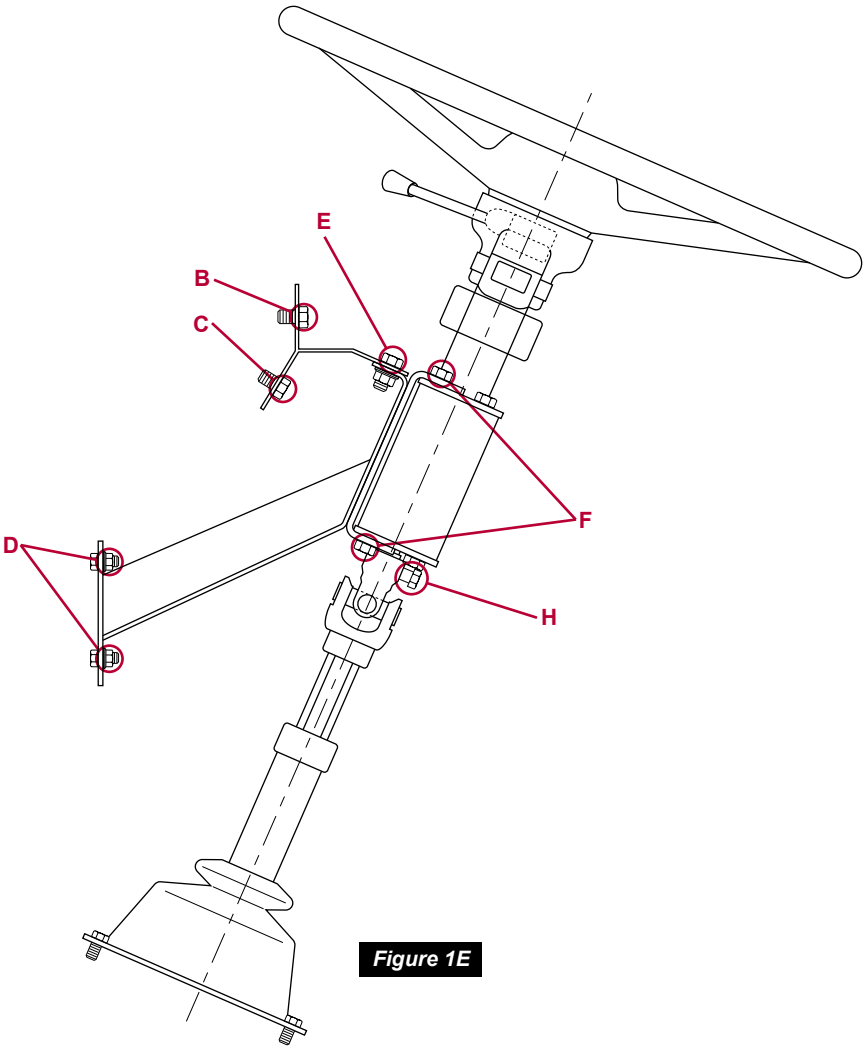

Figure 1E

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STEP 1: Turn the battery disconnect switch to OFF, and lockout/tagout the switch so that the switch cannot be operated.

NOTE: Begin the repair process with the left side driver station.

STEP 2: Remove the horn button *(Figure 50)*.

STEP 3: Using a 1-1/4” socket, remove the hex nut securing the steering wheel to the steering shaft.

NOTE: Prior to performing *Step 4,* use a paint marker to mark the position of the steering wheel, relative to the splined steering shaft. This is necessary to ensure correct alignment when the steering wheel is re-installed.

STEP 4: Using a wheel puller, remove the steering wheel.

STEP 5: Repeat *Steps 2 through 4* for the right side steering wheel.

STEP 6: Using a 5/16” socket, loosen the turn signal clamp and remove the turn signal switch from the left side steering column *(Figure 51)*.

Figure 50

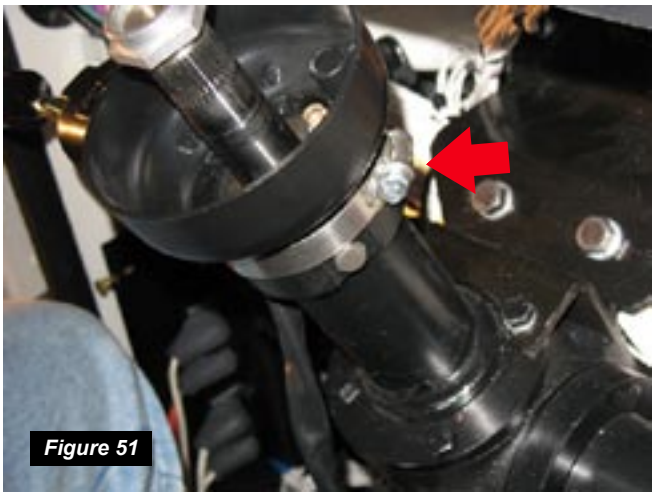

Figure 51

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STEP 7: Using a 7/16” socket, remove the set screw securing the horn collar to the left side steering column *(Figure 52)*.

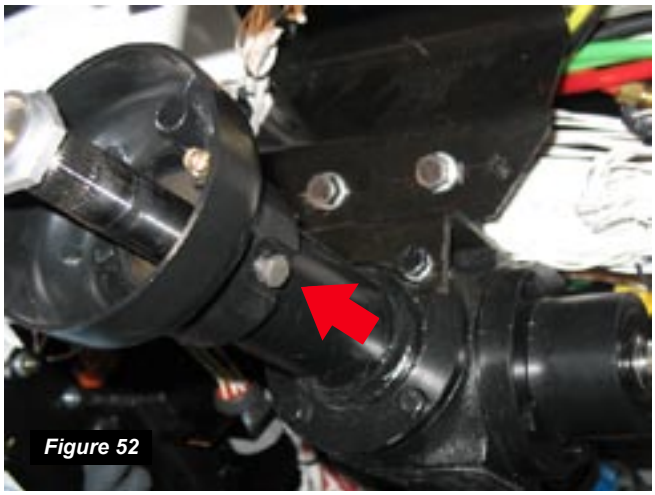

Figure 52

STEP 8: Using a T40 Torx bit, remove the left side dashboard corner bolt *(Figure 53)*.

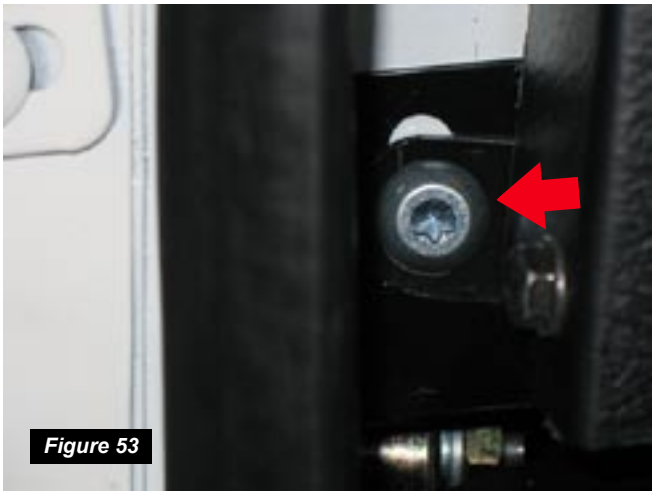

Figure 53

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STEP 9: Using a T20 Torx bit, remove the (12) screws securing the front edge of the dashboard *(Figure 54)*.

NOTE: Some vehicles may be equipped with #2 Phillips screws in place of the T20 Torx screws.

STEP 10: Lift the dashboard up and away from the center console panel.

NOTE: It may be necessary to secure the dashboard using zip ties or other means to allow clearance to reach the steering components under the dashboard.

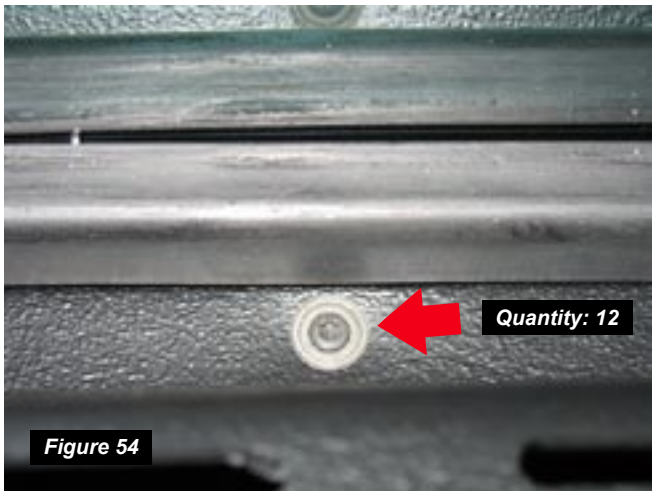

Figure 54

STEP 11: Remove the (2) Torx screws securing the support bracket to the universal joint cover and the engine tunnel, using a T20 Torx bit *(Figure 55)*.

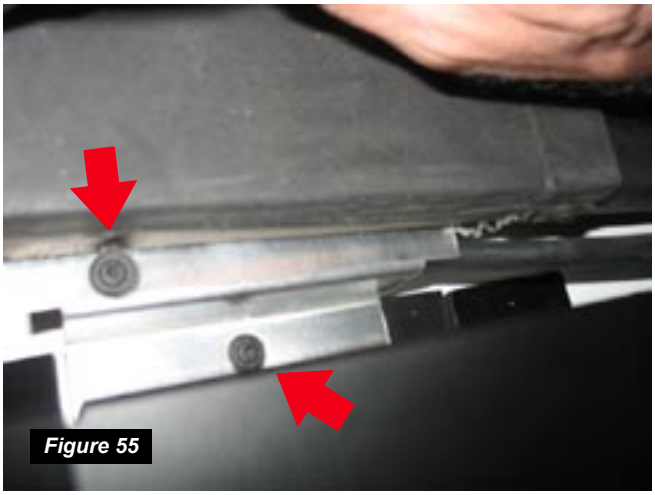
Figure 55

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STEP 12: Remove the (6) Torx screws securing the steering cross shaft universal joint cover to the engine tunnel, using a T20 Torx bit *(Figure 56)*.

NOTE: Some vehicles may be equipped with #2 Phillips screws in place of the T20 Torx screws referenced in *Steps 11 and 12*.

STEP 13: Remove the universal joint cover by sliding it towards the left side steering wheel.

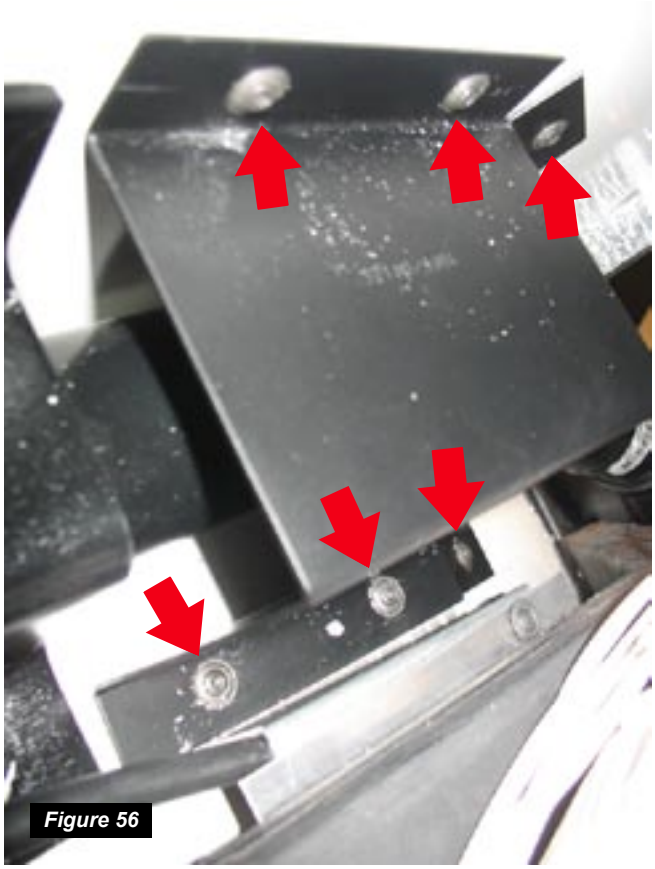

Figure 56

STEP 14: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1E, fastener B)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 57)*.

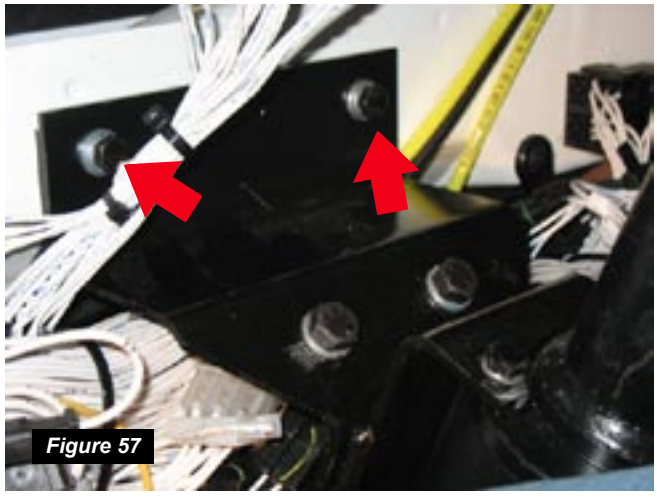

Figure 57

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STEP 15: Using a 1/2” socket, torque the (2) hex head cap screws *(Figure 1E, fastener C)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 58)*.

Figure 58

STEP 16: Using a 1/2” socket, torque the (4) hex head cap screws *(Figure 1E, fastener D)* to 13 ft-lbs (± 2 ft-lbs) *(Figure 59)*.

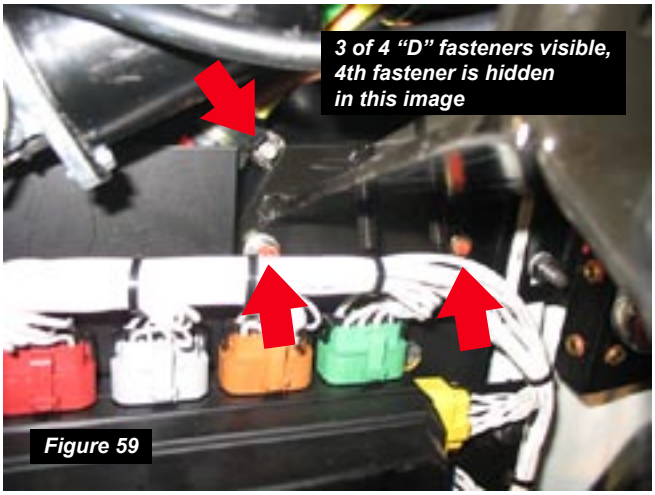

Figure 59

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STEP 17: Using a 5/8” socket, torque the (2) hex head cap screws *(Figure 1E, fastener E)* to 55 ft-lbs (± 5 ft-lbs) *(Figure 60)*.

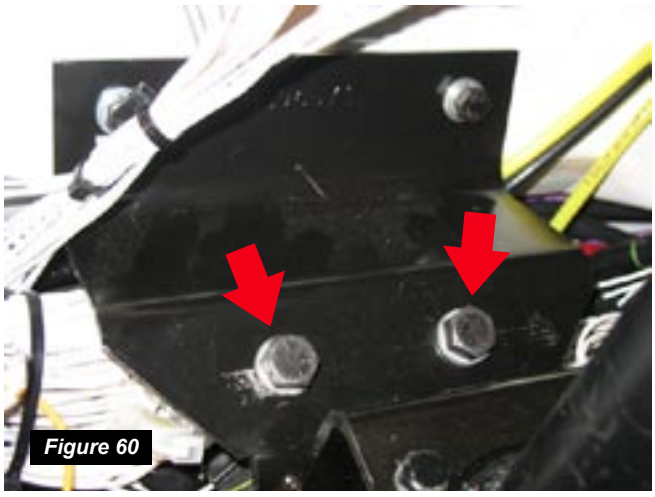


Figure 60

STEP 18: Using a 1/2” socket, torque the (4) hex head cap screws *(Figure 1E, fastener F)* to 35 ft-lbs (± 3 ft-lbs) *(Figures 61 and 62)*.

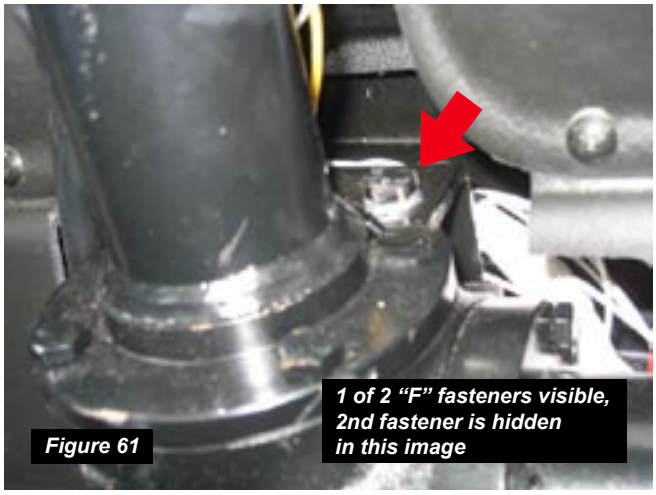
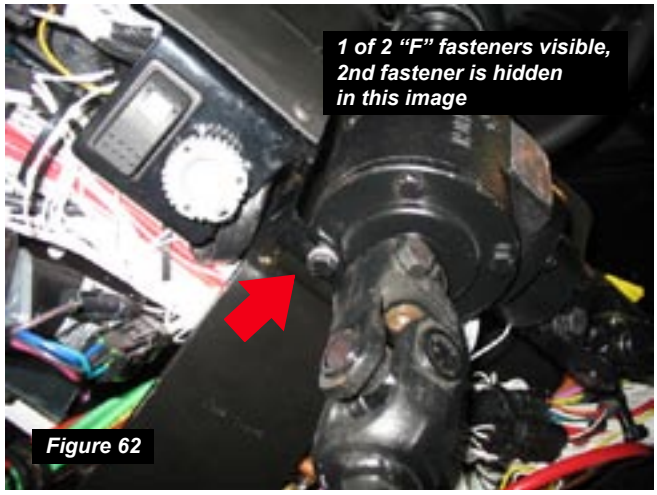


Figure 61

1 of 2 “F” fasteners visible, 2nd fastener is hidden in this image



1 of 2 “F” fasteners visible, 2nd fastener is hidden in this image

Figure 62

SAFETY RECALL BULLETIN

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STEP 19: Using a torque wrench with a 11/16” socket and a 5/8” box wrench, apply 60 ft-lbs (± 6 ft-lbs) to the three universal joint pinch bolts and hex nuts *(Figure 1E, fastener H) and (Figures 63, 64, and 65)*.

NOTE: One pinch bolt is located on the steering column below the right angle gear box and the two remaining pinch bolts are located on the steering cross shaft.

Figure 63

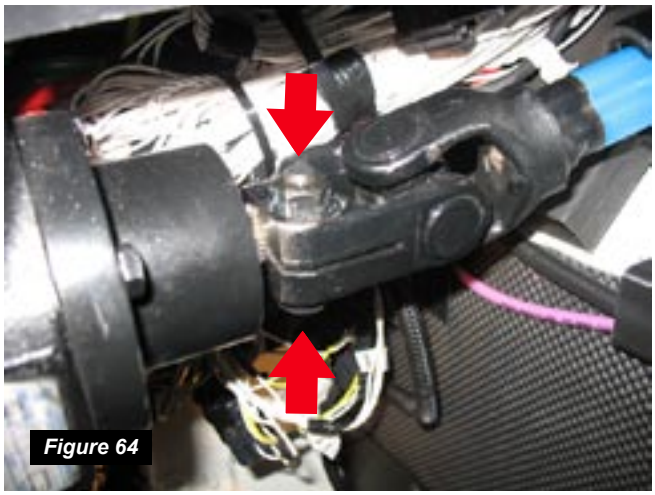

Figure 64

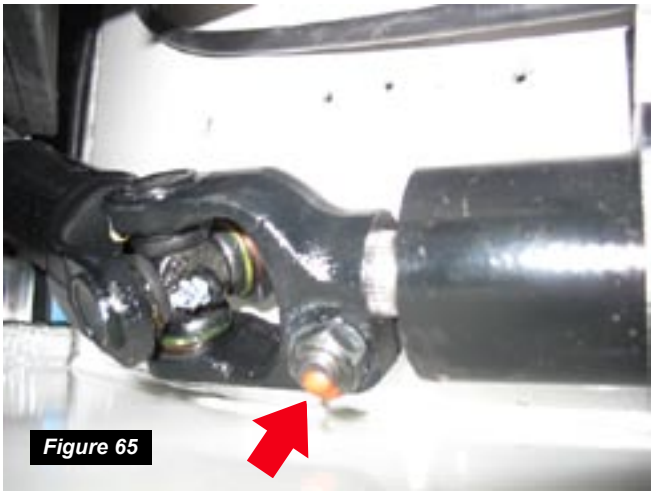

Figure 65

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STEP 20: Using a 1/2” socket, torque the (4) hex head cap screws to 35 ft-lbs (± 3 ft-lbs) to secure the cross shaft brackets *(Figure 66)*.

NOTE: Only (1) cross shaft bracket is shown. There are (2) brackets securing the steering cross shaft to the engine tunnel. All (4) fasteners must be torqued.

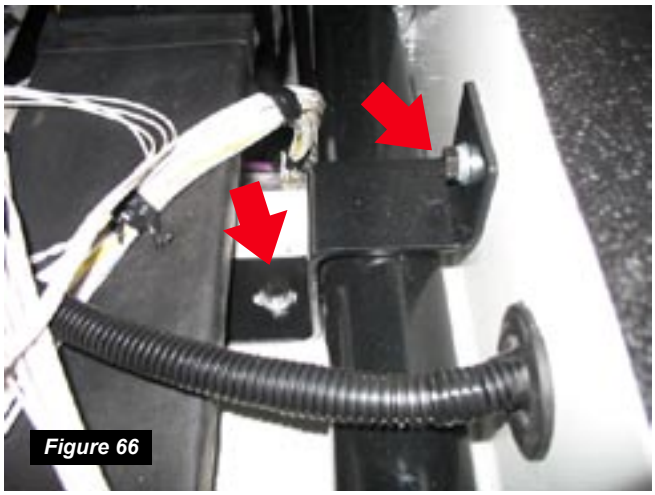

Figure 66

STEP 21: Install the support bracket, using a T20 Torx screw on the upper flange only *(Figure 67)*. Align the hole in the lower flange with the hole in the engine tunnel.

Figure 67

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STEP 22: Install the cover over the cross shaft universal joint. Align the center hole in the forward flange with the thru hole in the support bracket and the hole in the engine tunnel. Using a T20 Torx bit, install the (6) T20 Torx screws to secure the universal joint cover and support bracket to the engine tunnel *(Figure 68)*.

NOTE: To install the universal joint cover, slide the cover to the right (from left of the engine tunnel), locating it over the universal joint.

Figure 68

STEP 23: Seat the dashboard firmly in place, and install the (12) T20 Torx screws removed in *Step 9* to secure the forward edge of the dashboard *(Figure 69)*.

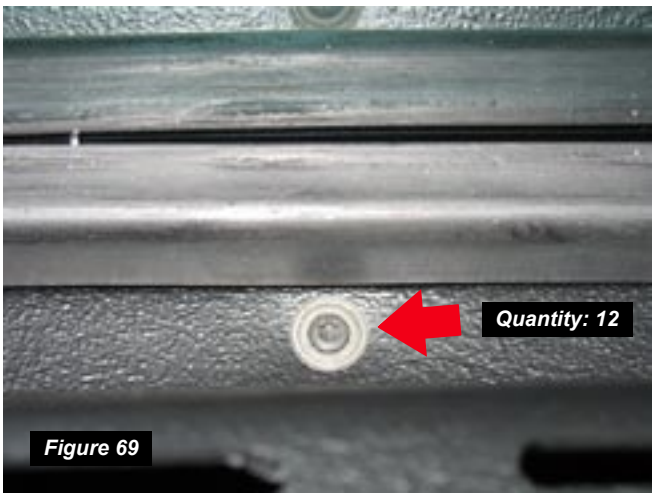

Figure 69

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STEP 24: Install the left side dashboard corner bolt using a T40 Torx bit *(Figure 70)*.

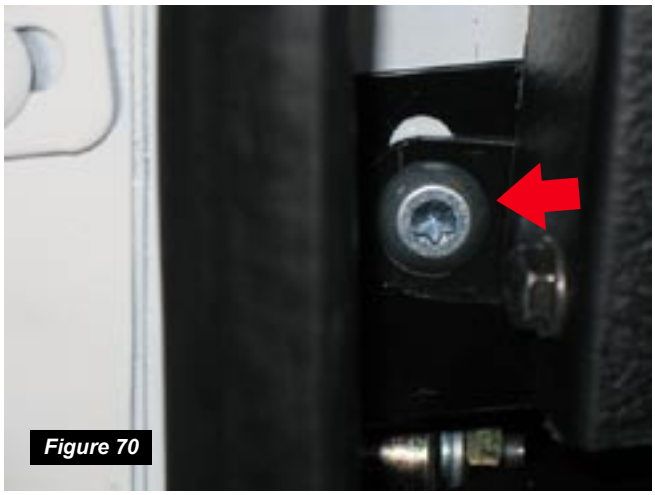

Figure 70

STEP 25: Install the horn collar on the left side steering column. Using a 7/16" socket, install the set screw to secure the horn collar *(Figure 71)*.

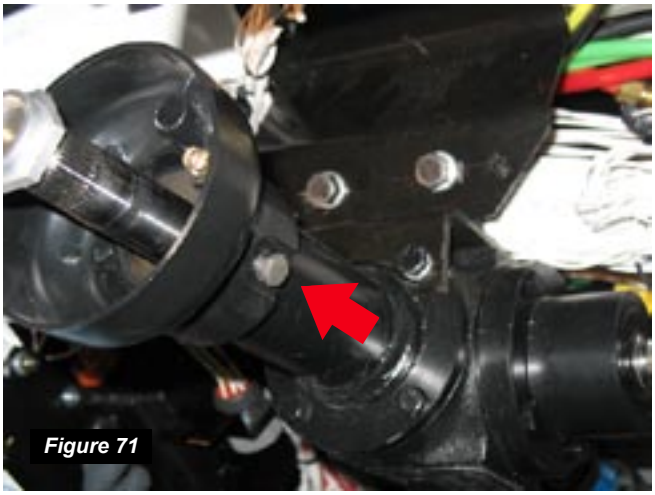

Figure 71

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STEP 26: Install the turn signal switch on the left side steering column by placing the switch clamp over the horn collar. Using a 5/16" socket, secure the clamp to the horn collar *Figure 72)*.

Figure 72

STEP 27: Install the left side steering wheel on to the splined steering shaft. Align the paint marks that were applied in *Step 3 (Figure 73)*.

STEP 28: Thread the steering wheel hub nut on to the splined steering shaft. Using a 1-1/4" socket, torque the hub nut to 70 ft-lbs (± 5 ft-lbs).

STEP 29: Install the horn button on the steering wheel.

STEP 30: Repeat *Steps 27 through 29* for the right side steering wheel.

STEP 31: Remove the lockout/tagout protection equipment installed in *Step 1* and turn the battery disconnect switch to ON.

Figure 73

This concludes the repair procedure for WXLL Dual (dual driver station) vehicles.

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