



SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

Attention:

Service Managers/Parts Managers

Subject:

Autocar has determined that a safety defect exists in the steering column of certain 2016-2017 model year Xspotters.

Safety Recall Information:

This document contains information regarding the inspection and replacement of the steering column.

Vehicles Affected:

There are 294 affected vehicles assembled after August 6, 2015. Refer to the VIN list on page 10.

Service Responsibility:

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

To Obtain Parts:

Ensure that you have authorization from the customer to perform this work, and send an e-mail to warranty@autocartruck.com and include the following:

- VIN(s) (or last 6 digits of VIN(s))
- 'Attention To' name
- 'Ship To' address

Required Parts:

- (1) S3815000K001 Service kit
 - (1) A3815001-001 Steering column
 - (1) S3815000K002 Hardware kit
 - (4) 003887 Lower mounting bolt
 - (4) 9X2045 Upper mounting bolt
 - (1) 7381 U-bolt
 - (2) GE286231BL01 U-bolt locknut
 - (1) 2811 Steering wheel washer
 - (2) 3083736 Steering column pinch bolt
 - (2) 945989 Steering column pinch nut

Claims for Reimbursement:

Submit a claim for reimbursement in accordance with Autocar's Warranty Administration Manual.

Autocar will pay a reduced SRT for units with a column lot code that is not within the specified range and a full SRT for units with a column lot code that is within the specified range.

SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

Claim Coding Information

(If Steering column lot code is not within the specified range):

Labor Operation Code Number	Time Allowance SRT	Description
11.19.2	.50 HR	Inspection of Steering Column

Claim Coding Information

(If Steering column lot code is is within the specified range):

Labor Operation Code Number	Time Allowance SRT	Description
11.19.3	1.50 HR	Inspection and Steering Column Replacement

Tools Required:

- 3/8" Drive Ratchet
- 1/2" Drive Ratchet
- T-30 Torx bit, 3/8" Drive
- T-30 Torx bit, 1/4" Drive
- 1/2" Socket 3/8" Drive
- 9/16" Socket 3/8" Drive
- 11/16" Socket 3/8 Drive

Safety Notices:



WARNING

Allow the vehicle's engine and cooling system to cool to ambient temperature before performing the repair procedure. A hot engine or cooling assembly may cause burns or other personal injury.



WARNING

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



WARNING

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.



WARNING

Due to the danger of sustaining personal injury and/or damage to the vehicle, never attempt to raise the cab outdoors under extremely windy conditions. Strong wind conditions could force the cab beyond the normal limits of its travel. Never rely on the hydraulic pressure to hold the cab in an open position. Always use the safety pin in the cab tilt lock tube to prevent serious personal injury or death.

SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016



WARNING

Remove or secure all loose articles and close all doors before raising the cab. The area above and ahead of the cab must be clear from obstructions. Place front wheels in a straight ahead position.

Remove the pump handle from its storage on the inside of the cab near the driver or passenger seat.

Place the selector lever on the hydraulic pump in the RAISE position. Insert the pump handle into the pump and operate the handle in an up and down motion. The hydraulic cab latches will open, then the hydraulic cylinders will lift the cab until the midpoint (top) is reached.

Once the cab has reached its midpoint the cab will move forward to the fully open position. The safety pin in the cab tilt lock device must be installed when the holes line up in the sliding bar.

Remove the pump handle when not in use. It may stick out and could cause injury to passersby.



CAUTION

LOCKOUT/TAGOUT PROCEDURES:

Before entering the vehicle or vehicle body, read and follow OSHA regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147. Follow OSHA regulations while performing any work on the vehicle. The vehicle must be disabled by the following steps before performing any work on the vehicle:

1. Place the transmission in NEUTRAL.
2. Set the parking brake.
3. Shut the engine OFF.
4. Lock cab doors, keep the key in your pocket. Block the wheels before entering the body or performing any work on the vehicle.
5. Turn the battery disconnect switch OFF, if equipped.
6. Completely drain the air from the primary/A system and secondary/B system by opening the drain valves on the air tanks themselves or by using the drain manifold if supplied. When draining the air tanks, do not look into the area where air is draining. Dirt or sludge particles may be expelled in the air stream and can cause eye injury.
7. Place magnetic "DANGER" signs on both cab doors before entering the body or performing any work on the vehicle.
8. Take proper precautions before working under the vehicle. Use ramps approved for the weight of your vehicle, or use floor jacks and stands. Never work under a vehicle supported by jacks alone. Always use jack stands to support the vehicle.



SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016



WARNING

Autocar natural gas powered vehicles require specific compliance in the service, storage and refueling procedures.

If you store or dispense Compressed Natural Gas (CNG) or Liquid Natural Gas (LNG), or if you work on CNG or LNG trucks, your location must be fully compliant with applicable codes, regulations and standards, including National Fire Protection Association (NFPA) codes, Society of Automotive Engineers (SAE) standards, American National Standards Institute (ANSI), Natural Gas Vehicle (NGV) standards, the United States Code of Federal Regulations (CFR), and your state and local fire and other applicable codes (including the California Code of Regulations and the Texas Administrative Code, as applicable).

Contact your local fire department for guidance and additional compliance information. Technicians working on Autocar trucks with CNG or LNG engines must be trained in the proper repair of CNG and LNG engines and the safe storage and dispensing of CNG and LNG.

SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

STEERING COLUMN INSPECTION

At the base of the steering column, check the lot code number on the label (See Figure 1 and Figure 2).

If the label has been removed or is not legible, replace the steering column per the procedure below.

If the lot code number is 869501, replace the steering column per the procedure below.

If the lot code number is not 869501, the steering column does not need to be replaced.



Figure 1, Steering Column Label



Figure 2, Lot Code Number

STEERING COLUMN REPLACEMENT

1. Remove the access cover to the steering column riser and set aside along with fasteners for reinstallation (See Figure 3).

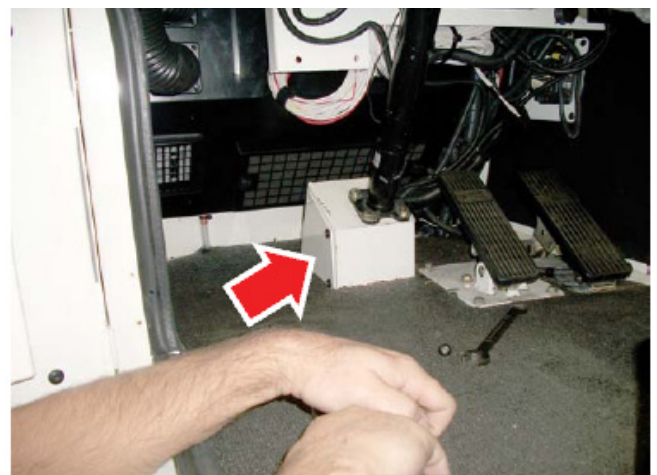


Figure 3

2. Start the engine and rotate the steering wheel slightly to the left until you can access the pinch bolt in the steering column. Turn the engine off.
3. Raise the cab. Refer to the Safety Notices on page 2 "Raising the Cab." Make sure that you read and understand the safety precautions before proceeding.

SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

- 4. Make an index mark on both the steering column shaft and the steering gear input shaft where it meets the steering gear to ensure proper reassembly (See Figure 4).

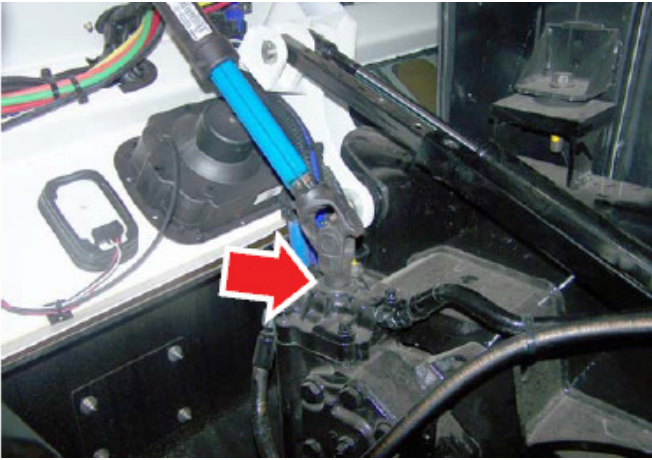


Figure 4

- 5. Remove the pinch bolt at the bottom of the steering column shaft where it is connected to the steering gear and discard the pinch bolt (See Figure 5).

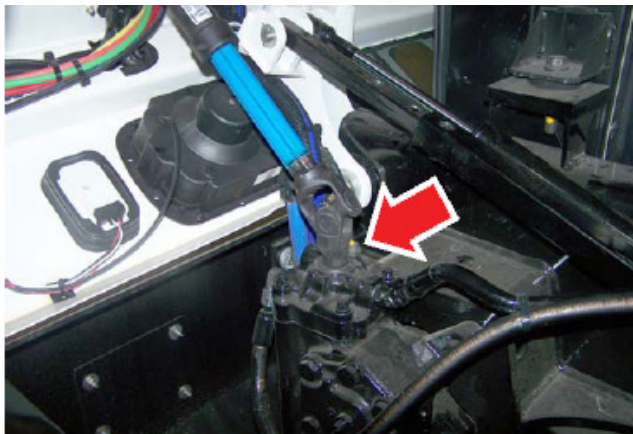


Figure 5

- 6. Remove the pinch bolt at the top of the steering column shaft where it is connected to the steering column and discard the pinch bolt (See Figure 6).

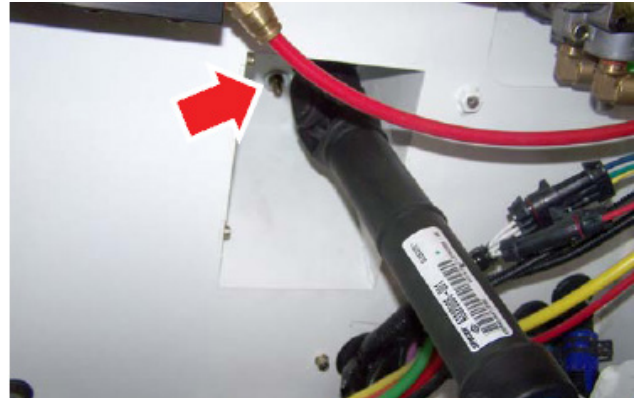


Figure 6

- 7. Remove the steering column shaft and set aside for reinstallation.
- 8. Lower the cab following proper safety procedures. Refer to the Safety Notices on page 2 "Raising the Cab."
- 9. Remove the (4) lower steering column riser bolts and discard (See Figure 7).

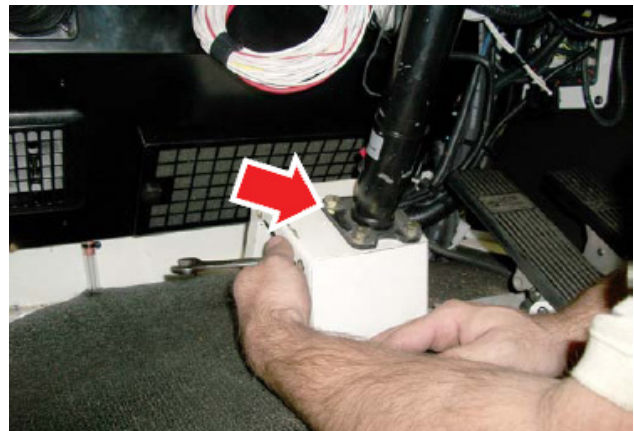


Figure 7

SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

10. Locate the horn harness connector from the steering column and disconnect it by gently lifting the tab on the connector and pulling it apart (See Figure 8).

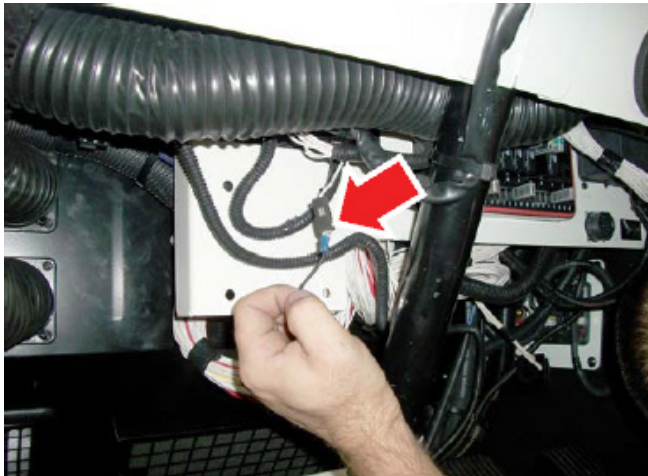


Figure 8

11. Disconnect the horn wire from the horn button by grasping and gently pulling the connector toward yourself, and set the horn button aside for reinstallation (See Figure 9).
12. Remove the steering wheel retaining nut and discard (See Figure 9).
13. Using a steering wheel puller with M6 x 3 3/4" bolts, remove the steering wheel and set aside for reinstallation (See Figure 9).

14. Remove the turn signal switch and set aside for reinstallation (See Figure 9).

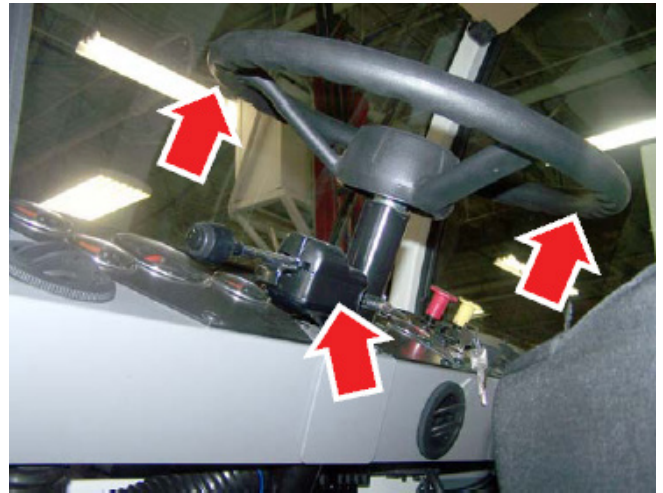


Figure 9

15. Remove the (4) upper bolts securing the steering column to the dash, and discard the bolts (See Figure 10).

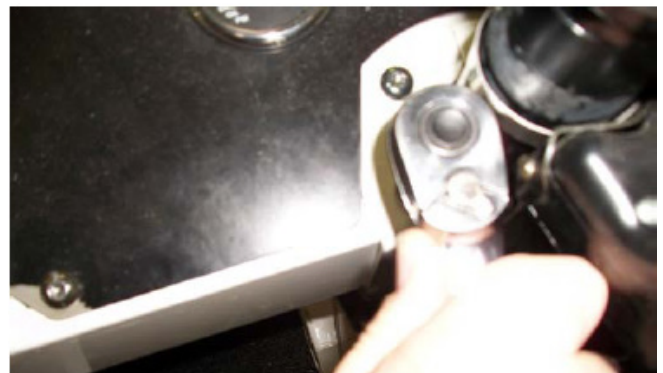


Figure 10

16. Remove the U-bolt that secures the upper steering column to the dash and discard.
17. Remove the steering column and discard.

SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

18. Position the steering column (A3815001-001).

19. Install the (4) lower steering column riser bolts (003887) and tighten the bolts to 29 lb.-ft. (39 Nm) of torque (See Figure 11).



Figure 11

20. Install the U-bolt (7381) and (2) U-bolt locknuts (GE286231BL01), and tighten the locknuts to 22 lb.-ft. (30 Nm) of torque (See Figure 10).

21. Install the (4) upper steering column mounting bolts (9X2045) and tighten to 132 lbs. – in. (15 Nm) of torque.

22. Reinstall the turn signal assembly that was set aside in step 14.

23. Reconnect the horn harness by aligning the lock tab and push together until positive engagement is felt or an audible click is heard (See Figure 12).



Figure 12

24. Raise the cab following proper safety procedures. Refer to the Safety Notices on page 2 “Raising the Cab.”

25. Connect the steering shaft to the steering gear by aligning the index marks. Install (1) pinch bolt (3083736) and (1) pinch nut (945989) and tighten the nut to 69 lb.-ft. (93.5 Nm) of torque.

26. Connect the steering shaft to the steering column using (1) pinch bolt (3083736) and (1) pinch nut (945989) and tighten the nut to 69 lb. –ft. (93.5 Nm) of torque.

27. Lower the cab following proper safety procedures. Refer to the Safety Notices on page 2 “Raising the Cab.”



SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

- 28.** Remove the new steering wheel retaining nut from the new steering column assembly and set aside for reinstallation.
- 29.** Install the steering wheel that was set aside in step 13 with the wheels straight ahead, aligning the steering wheel.
- 30.** Reinstall the steering wheel retaining nut that was set aside in step 28 and tighten to 50 lb. -ft. (68 Nm) of torque.
- 31.** Reconnect the horn button harness by pushing the connector onto the terminal and reinstall the horn button on the steering wheel.
- 32.** Reinstall the the access cover that was removed in step 1.
- 33.** The installation is now complete.



SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

516G4G412GH219658	516G4G41XGH220847	516G4GB20GH220884	516G4G4B5GH221025
516G4G416GH219663	516G4G411GH220848	516G4GB22GH220885	516G4G4B7GH221026
516G4G418GH219664	516G4G413GH220849	516G4G4B8GH220886	516G4G4B9GH221027
516G4G413GH219958	516G4G41XGH220850	516G4G4BXGH220887	516G4G4B0GH221028
516G4G415GH219959	516G4G411GH220851	516H6GBD8GH220888	516G4G4B2GH221029
516G4G411GH219960	516G4G413GH220852	516G4G4B3GH220889	516G4G4B9GH221030
516G4G413GH219961	516G4G415GH220853	516G4G4BXGH220890	516G4G4B0GH221031
516G4G415GH219962	516G4G417GH220854	516G4G4B1GH220891	516G4G4B2GH221032
516G4G417GH219963	516G4G419GH220855	516G4G4B3GH220892	516G4G4B4GH221033
516G4G414GH219967	516G4G410GH220856	516G4G4B5GH220893	516G4G4B6GH221034
516G4G416GH219968	516G4G412GH220857	516G4G4B7GH220894	516G4G4B8GH221035
516G4G418GH219969	516G4G414GH220858	516G4G4B9GH220895	516G4G4BXGH221036
516G4G41XGH219973	516G4G416GH220859	516G4G411GH220896	516G4G4B1GH221037
516G4G411GH219974	516G4G412GH220860	516G4G4B4GH220903	516G4G4B3GH221038
516G4G413GH219975	516G4G414GH220861	516H6GBD2GH220904	516G4G4B5GH221039
516G4G410GH219979	516G4G416GH220862	516G4G4B2GH220981	516G4G4B1GH221040
516G4G417GH219980	516G4G418GH220863	516G4G4B4GH220982	516G4G414GH221041
516G4G419GH219981	516G4G41XGH220864	516H6GB24GH220983	516G4G427GH221043
516G4G4B9GH220444	516G4G411GH220865	516G4G4BXGH221005	516G4G429GH221044
516G4G4B0GH220445	516G4G413GH220866	516G4G4B1GH221006	516G4G420GH221045
516G4G4B2GH220446	516G4G415GH220867	516G4G4B3GH221007	516G4G426GH221048
516G4G4B6GH220451	516G4G417GH220868	516G4G4B5GH221008	516G4G4B8GH221049
516G4G4B5GH220599	516G4G419GH220869	516G4G4B7GH221009	516G4G4B4GH221050
516H6GBD8GH220745	516G4G415GH220870	516G4G4B3GH221010	516G4G4B6GH221051
516H6GB20GH220799	516G4G417GH220871	516G4G4B5GH221011	516G4G4B8GH221052
516H4GB23GH220835	516G4G419GH220872	516G4G4B7GH221012	516G4G42XGH221053
516H4GB25GH220836	516G4G410GH220873	516H4GB2XGH221013	516G4G421GH221054
516H4GB27GH220837	516G4G412GH220874	516H6GB29GH221014	516G4G423GH221055
516H4GB29GH220838	516G4G414GH220875	516H6GB20GH221015	516G4G4B9GH221061
516H4GB20GH220839	516G4G416GH220876	516H6GB22GH221016	516G4G4B0GH221062
516G4G417GH220840	516G4G418GH220877	516H6GB24GH221017	516H6GBD7GH221076
516G4G419GH220841	516G4G41XGH220878	516H6GB26GH221018	516H4GB23GH221077
516G4G410GH220842	516G4G411GH220879	516H6GB28GH221019	516H4GB25GH221078
516G4G412GH220843	516G4GB23GH220880	516H6GB24GH221020	516H4GB27GH221079
516G4G414GH220844	516G4GB25GH220881	516G4G4BXGH221022	516H4GB23GH221080
516G4G416GH220845	516G4GB27GH220882	516G4G4B1GH221023	516H4GB25GH221081
516G4G418GH220846	516G4GB29GH220883	516G4G4B3GH221024	516G4G4BXGH221084



SAFETY RECALL BULLETIN

NHTSA RECALL 16V599, Transport Canada 2016-401

AUTOCAR INDUSTRIES, LLC SAFETY RECALL ACTT-1601

October, 2016

516G4G4B1GH221085	516H6GB22GH221212	516H4GB21GH221319	516G4G418GH221821
516G4G4B3GH221086	516H6GB24GH221213	516G4G4B7GH221320	516G4G41XGH221822
516G4G4B5GH221087	516H6GB26GH221214	516G4G4B9GH221321	516G4G411GH221823
516G4G4B7GH221088	516H6GB28GH221215	516H6GBD7GH221322	516G4G413GH221824
516G4G4B9GH221089	516H6GB2XGH221216	516H4GB23GH221323	516G4G415GH221825
516G4G4B5GH221090	516H6GB21GH221217	516H4GB20GH221439	516G4G417GH221826
516G4G4B7GH221091	516H6GB23GH221218	516H4GB27GH221440	516G4G419GH221827
516H4GB24GH221136	516H6GB25GH221219	516H4GB29GH221441	516G4G410GH221828
516G4G4B1GH221183	516H6GB21GH221220	516H4GB20GH221442	516G4G412GH221829
516G4G4B3GH221184	516H6GB23GH221221	516H4GB22GH221443	516G4G419GH221830
516G4G416GH221185	516H6GB25GH221222	516H4GB24GH221444	516G4G410GH221831
516G4G418GH221186	516G4G4B9GH221223	516H4GB26GH221445	516G4G412GH221832
516G4G41XGH221187	516G4G4B0GH221224	516H4GB28GH221446	516G4G414GH221833
516G4G411GH221188	516H6GB20GH221225	516H4GB2XGH221447	516G4G4B5GH221834
516G4G413GH221189	516H6GB22GH221226	516G4G4B0GH221448	516G4G4B7GH221835
516G4G41XGH221190	516H6GB24GH221227	516G4G4B2GH221449	516G4G4B9GH221836
516G4G411GH221191	516H6GB26GH221228	516G4G4B9GH221450	516G4G4B0GH221837
516G4G413GH221192	516G4G4BXGH221229	516H6GB2XGH221524	516G4G4B2GH221838
516G4G415GH221193	516G4G4B6GH221230	516G4G4B3GH221525	516G4G4B4GH221839
516G4G417GH221194	516G4G4B8GH221231	516H6GB23GH221526	516G4G4B3GH221993
516G4G419GH221195	516G4G4BXGH221232	516H6GB25GH221527	516G4G414HH221994
516G4G410GH221196	516G4G4B1GH221233	516H6GB27GH221528	516G4G416HH221995
516G4G412GH221197	516G4G4B3GH221234	516H6GB29GH221529	516G4G4B0HH221998
516G4G414GH221198	516G4G4B1GH221247	516H6GB25GH221530	516G4G4B2HH221999
516G4G416GH221199	516G4G4B3GH221248	516H6GB27GH221531	516H6GB26HH222087
516G4G419GH221200	516G4G4B5GH221249	516G4G4B9GH221710	516H4GB20HH222091
516H4GB20GH221201	516G4G4B1GH221250	516G4G413GH221810	516H4GB22HH222092
516H4GB22GH221202	516G4G4B3GH221251	516G4G415GH221811	516H4GB24HH222093
516H4GB24GH221203	516G4G4B5GH221252	516G4G417GH221812	516H4GB26HH222094
516H4GB26GH221204	516G4G4B7GH221253	516G4G419GH221813	516H4GB28HH222095
516H4GB28GH221205	516G4G4B9GH221254	516G4G410GH221814	516H4GB2XHH222096
516H4GB2XGH221206	516G4G4B0GH221255	516G4G412GH221815	516H4GB21HH222097
516H6GB29GH221207	516G4G4B2GH221256	516G4G414GH221816	516H4GB23HH222098
516H6GB20GH221208	516G4G4B4GH221257	516G4G416GH221817	516H4GB25HH222099
516H6GB22GH221209	516H4GB26GH221316	516G4G418GH221818	516H4GB28HH222100
516H6GB29GH221210	516H4GB28GH221317	516G4G41XGH221819	
516H6GB20GH221211	516H4GB2XGH221318	516G4G416GH221820	