

## Installation Instruction:



Product: NDS6223EP

Car Model: 2015 Lexus NX200T & NX300H (with factory navigation)

### Disclaimer:

The navigation and DVD lock while in motion was originally installed for safety reasons. By unlocking the navigation and DVD lock, we are assuming that the navigation and DVD will be controlled and enjoyed by the passenger(s) and not by the driver. As such, are not responsible to damage, loss or injury from using the bypass modules. Please be responsible drivers!

### About the Beat-Sonic NAV/DVD Bypass Module:

**System:** 100% Plug and play kit from Beat-Sonic for allowing use of factory features that would be locked out during vehicle movement.

This plug-and-play module kit allows override of the lock out system equipped in your factory TV or Navigation/DVD system when the vehicle is in motion. Due to the fact that no modification is needed on the factory harness and this is 100% plug and play, it is easily reversible to the original factory specs without showing any signs that this modification was ever made.



**The NDS kit** provides automatic video in motion for the DVD player at all times. Navigation in motion is activated by the steering wheel volume control buttons by pressing volume up (+), down (-), up (+), down (-) in sequence and at normal cadence. While navigation in motion is activated, the navigation system will temporarily lose its GPS location and the position indicator on the navigation screen will stop moving. By default, a programmable timer will reset the navigation in motion to switch off after 3 minutes.

Navigation in motion can be switched off before the timeout period has expired by repeating the volume control button sequence up (+), down (-), up (+), down (-).

This device is suitable for Lexus generation 7 and 8 navigation systems. The full time video in motion feature is compatible with all navigation system features including Lexus App Suite, Enform App Suite and energy consumption display found on hybrid models.

## 1. PRECAUTION

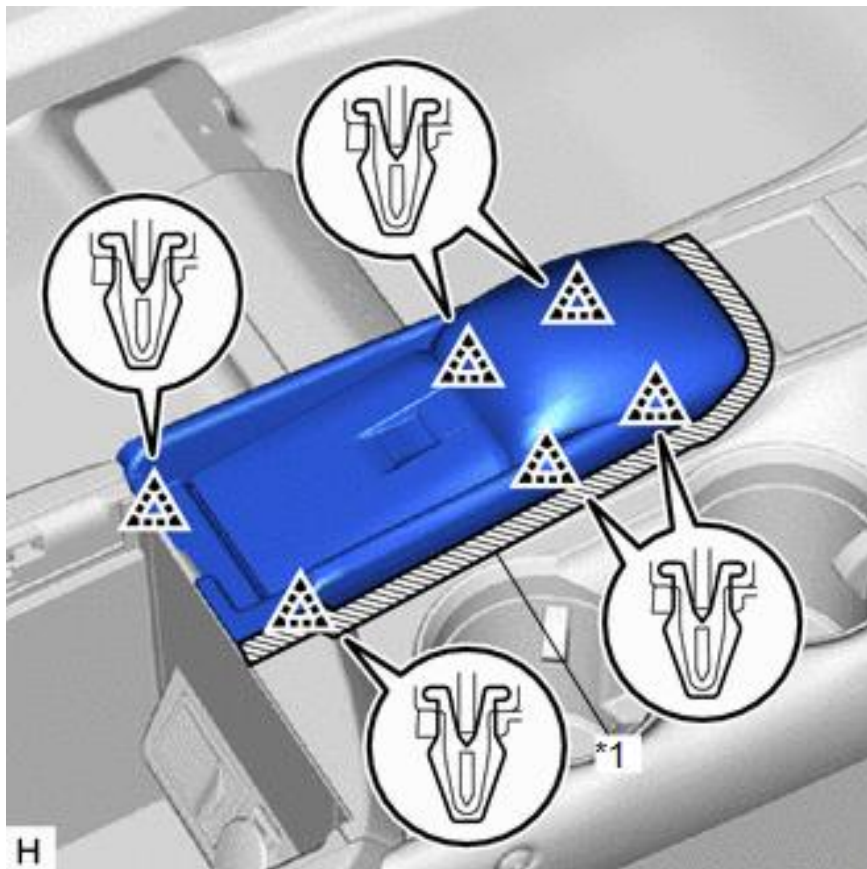
**CAUTION:** After turning the engine switch off, waiting time may be required before disconnecting the cable from the battery terminal. Therefore, make sure to read the disconnecting the cable from the battery terminal notice before proceeding with work

### Waiting Time before Disconnecting Cable from Negative (-) Auxiliary Battery Terminal

Condition	Waiting Time
Vehicle enrolled in safety connected system	6 minutes
Vehicle not enrolled in safety connected system	1 minute

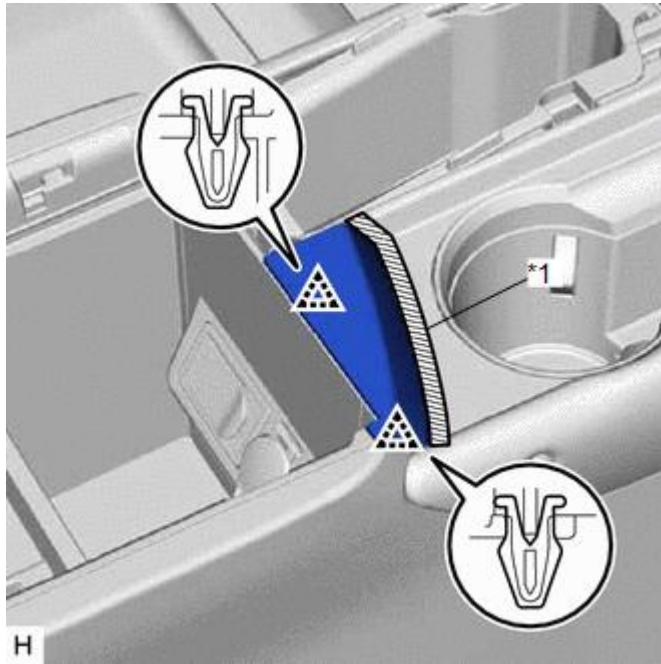
#### 1. REMOVE CONSOLE ARMREST ASSEMBLY

- (a) Put protective tape around the console armrest assembly.
- (b) Detach the 6 clips and remove the console armrest assembly.



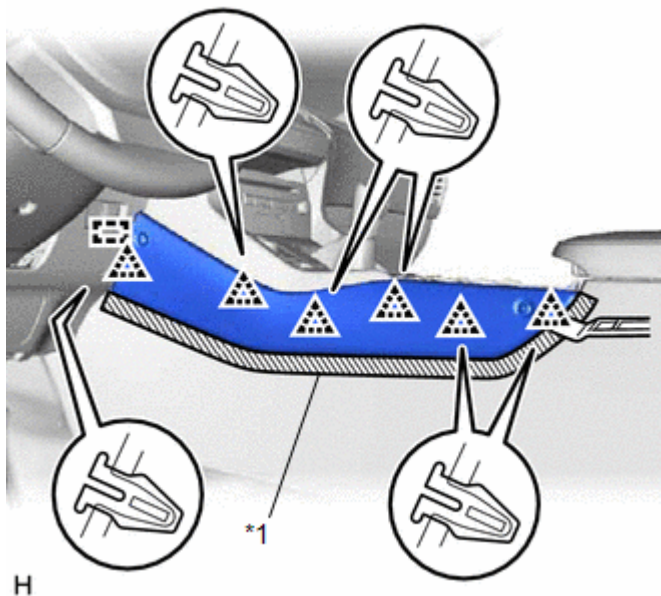
## 2. REMOVE UPPER REAR CONSOLE PANEL

- (a) Put protective tape around the upper rear console panel.
- (b) Detach the 2 clips and remove the upper rear console panel.



## 3. REMOVE UPPER NO. 2 CONSOLE PANEL GARNISH

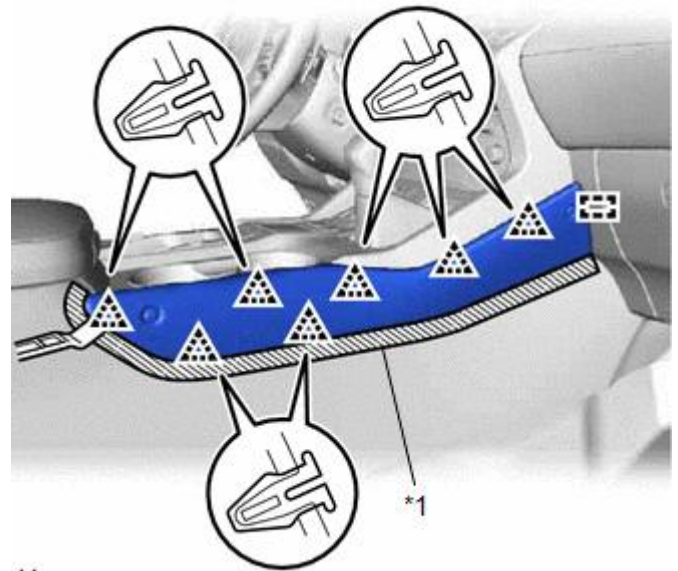
- (a) Put protective tape around the upper No. 2 console panel garnish.
- (b) Using molding remover B, detach the 6 clips and guide and remove the upper No. 2 console panel garnish.



#### 4. REMOVE UPPER NO. 1 CONSOLE PANEL GARNISH

(a) Put protective tape around the upper No. 1 console panel garnish.

(b) Using molding remover B, detach the 7 clips and guide and remove the upper No. 1 console panel garnish.

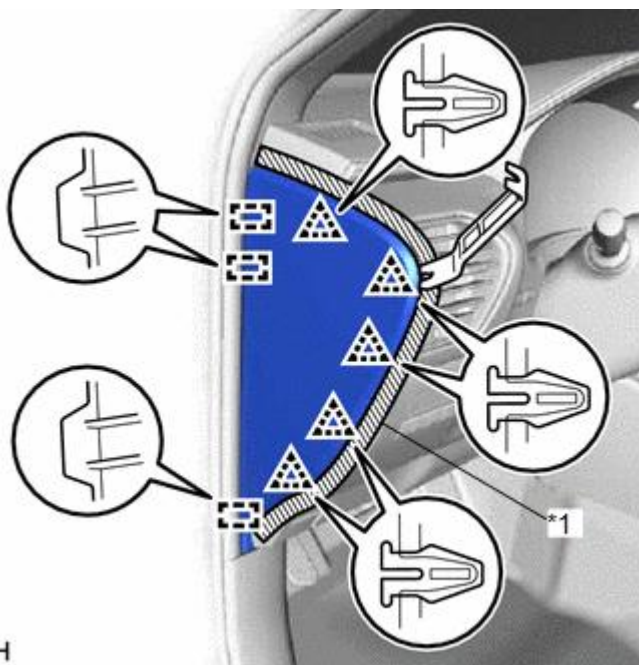


#### 5. REMOVE INSTRUMENT SIDE PANEL LH

(a) Put protective tape around the instrument side panel LH.

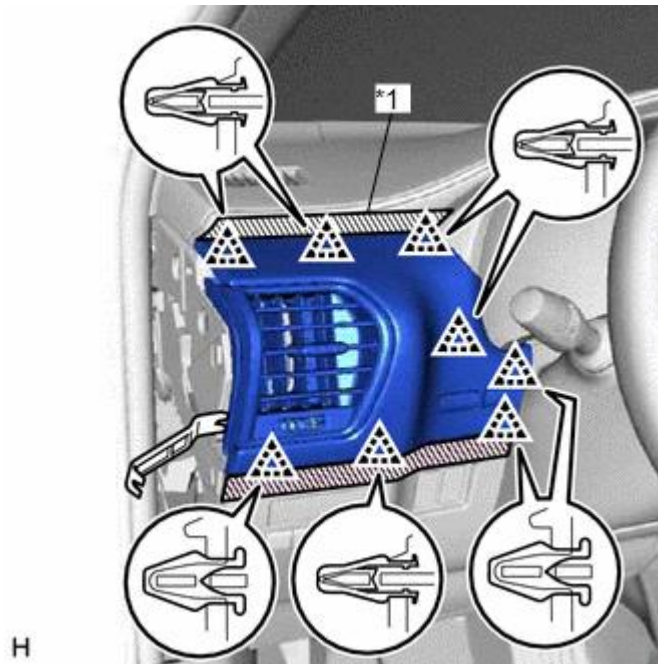
(b) Using molding remover B, detach the 5 clips and 3 guides.

(c) Disconnect the connector and remove the instrument side panel LH.



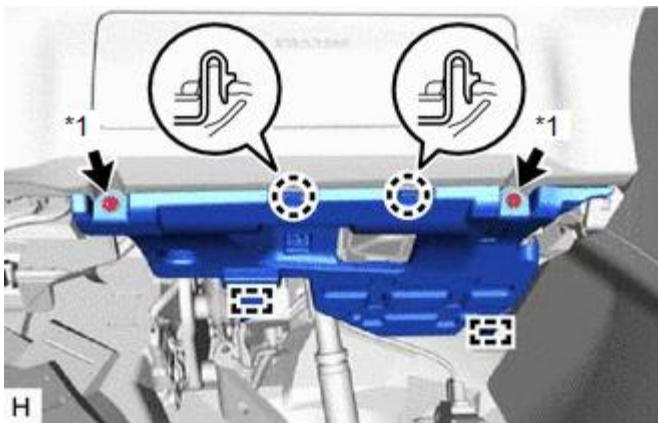
## 6. REMOVE NO. 1 INSTRUMENT PANEL SAFETY PAD SUB-ASSEMBLY

- (a) Put protective tape around the No. 1 instrument panel safety pad sub-assembly.
- (b) Using molding remover B, detach the 8 clips.
- (c) Disconnect the connector and remove the No. 1 instrument panel safety pad sub-assembly.



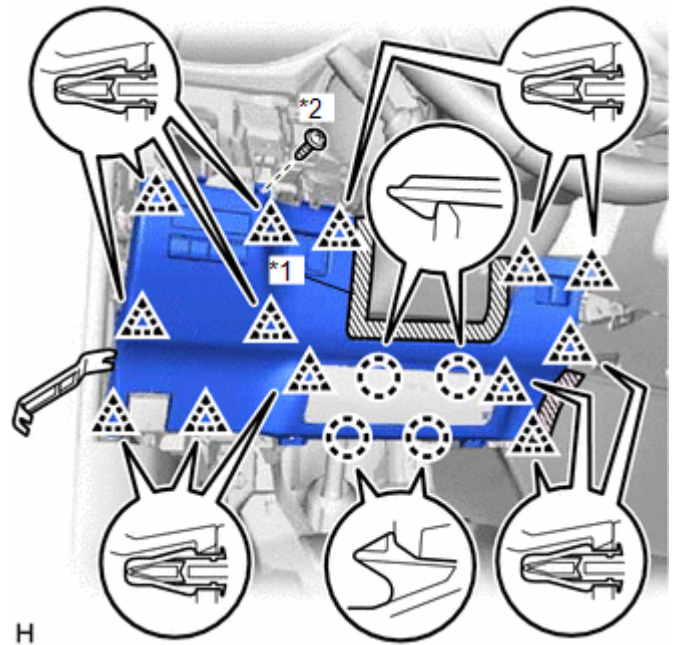
## 7. REMOVE NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

- (a) Remove the 2 screws <A> or <B>.
- (b) Detach the 2 claws and 2 guides.
- (c) Disconnect the connector, detach the clamp and remove the No. 1 instrument panel under cover sub-assembly.



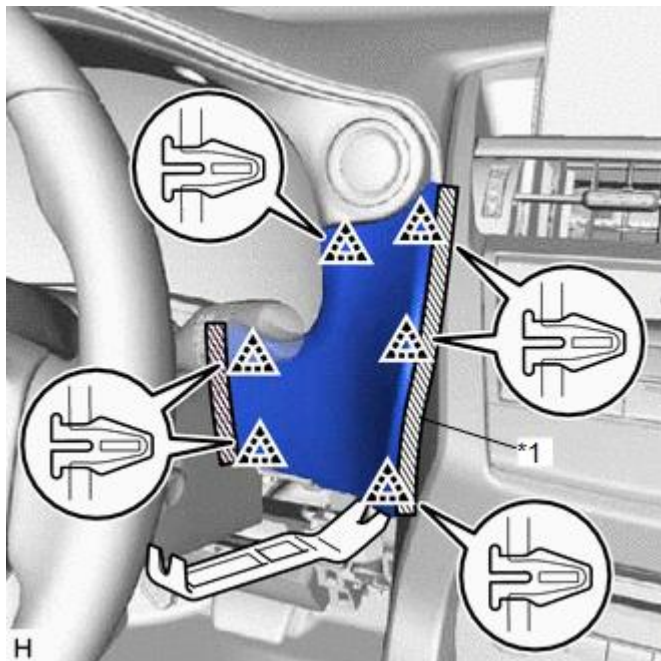
## 8. REMOVE LOWER NO. 1 INSTRUMENT PANEL FINISH PANEL

- (a) Put protective tape around the lower No. 1 instrument panel finish panel.
- (b) Remove the screw <A> or <B>.
- (c) Using molding remover B, detach the 13 clips and 4 claws.
- (d) Disconnect the connectors, detach the clamp and remove the lower No. 1 instrument panel finish panel.



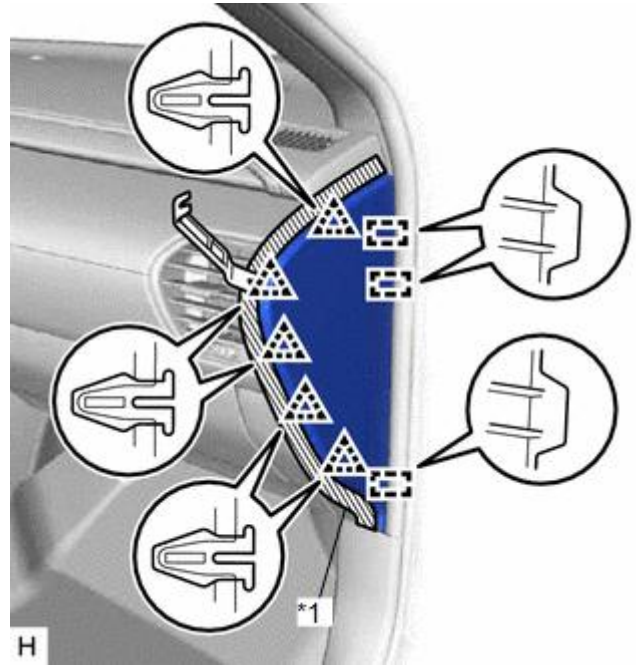
## 9. REMOVE NO. 1 SWITCH HOLE BASE

- (a) Put protective tape around the No. 1 switch hole base.
- (b) Using molding remover B, detach the 6 clips.
- (c) Disconnect the connector and remove the No. 1 switch hole base.



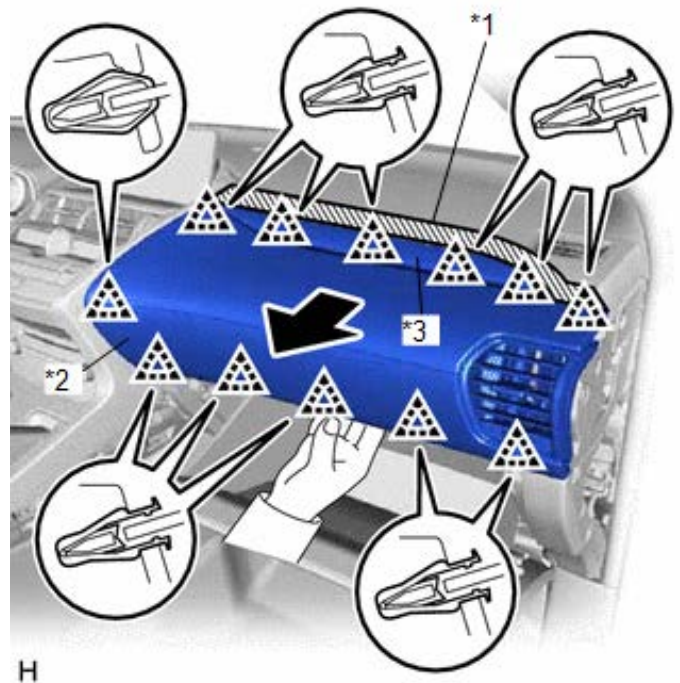
## 10. REMOVE INSTRUMENT SIDE PANEL RH

- (a) Put protective tape around the instrument side panel RH.
- (b) Using molding remover B, detach the 5 clips and 3 guides.
- (c) Disconnect the connector and remove the instrument side panel RH.



## 11. REMOVE NO. 2 INSTRUMENT PANEL SAFETY PAD SUB-ASSEMBLY

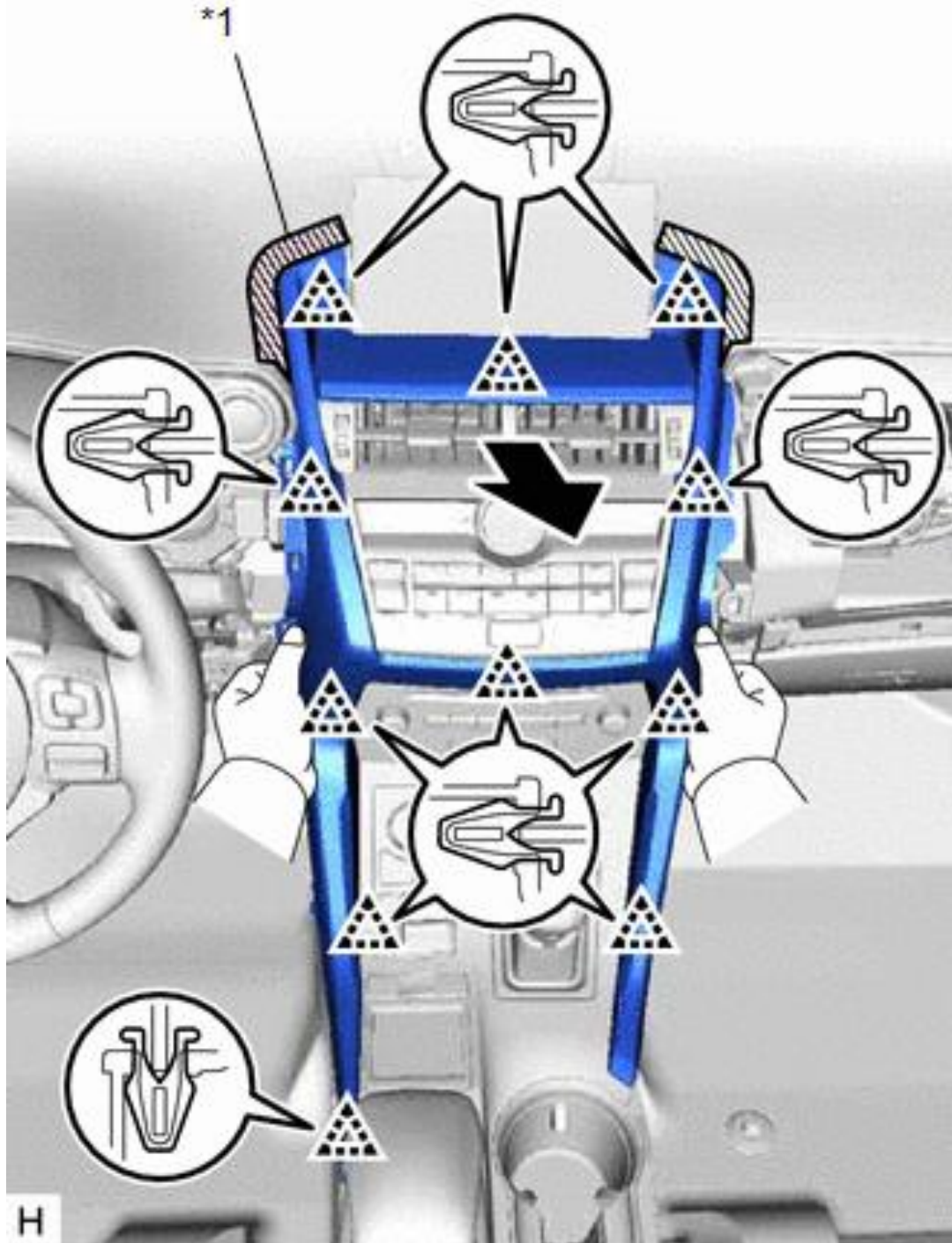
- (a) Put protective tape around the No. 2 instrument panel safety pad sub-assembly.
- (b) Place your hand as shown in the illustration, and then pull the No. 2 instrument panel safety pad sub-assembly in the direction indicated by the arrow shown in the illustration to detach the 12 clips and remove the No. 2 instrument panel safety pad sub-assembly together with the No. 2 instrument cluster finish panel garnish.



*1	Protective Tape
*2	No. 2 Instrument Panel Safety Pad Sub-assembly
*3	No. 2 Instrument Cluster Finish Panel Garnish

## 12. REMOVE CENTER INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY

- (a) Put protective tape around the center instrument cluster finish panel assembly.
- (b) Place your hand as shown in the illustration, and then pull the center instrument cluster finish panel assembly in the direction indicated by the arrow shown in the illustration to detach the 11 clips and remove the center instrument cluster finish panel assembly.

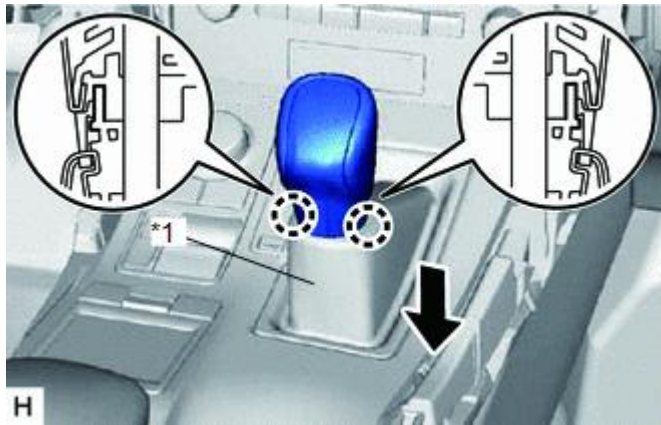


*1	Protective Tape
----	-----------------



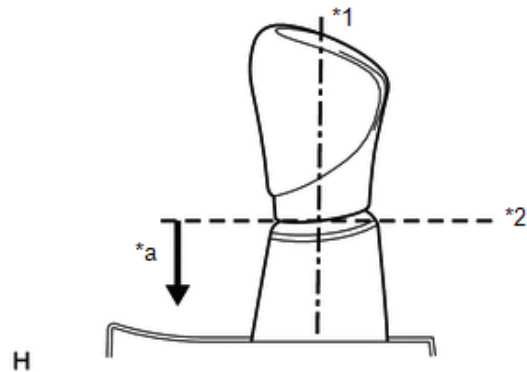
### 13. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY

(a) Hold the shift lever knob sub-assembly and shifting hole cover sub-assembly, and then pull down the shifting hole cover sub-assembly to detach the 2 claws.



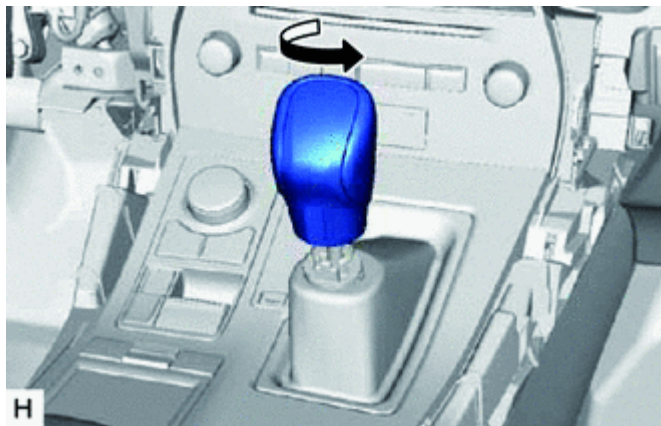
*1	Shifting Hole Cover Sub-assembly
----	----------------------------------

**HINT:** Do not rotate the shift lever knob sub-assembly. Pull down the shifting hole cover sub-assembly along the knob axis shown in the illustration.



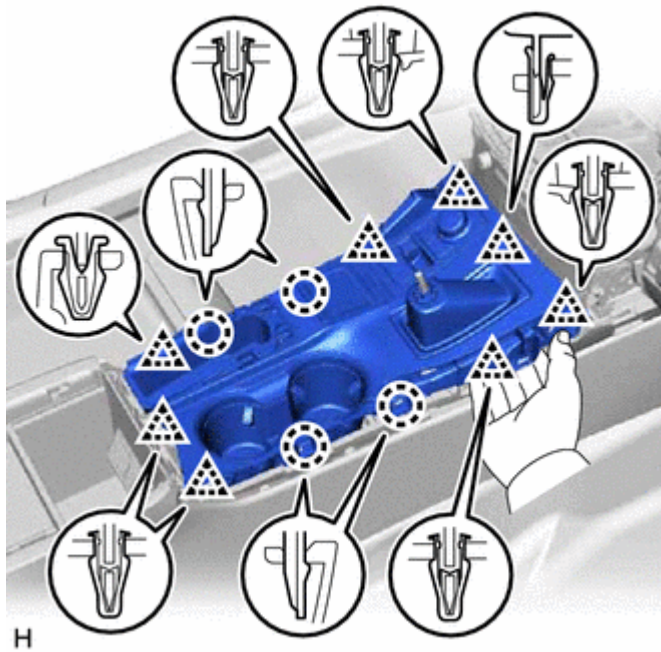
*1	Knob Axis
*2	Separation
*a	Downward direction to pull shifting hole cover sub-assembly

(b) Twist the shift lever knob sub-assembly in the direction indicated by the arrow and remove it.



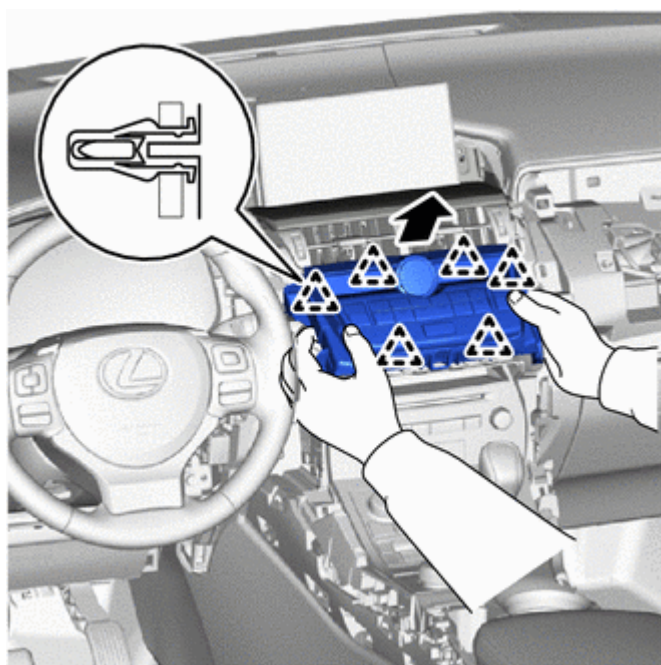
#### 14. REMOVE UPPER REAR CONSOLE PANEL SUB-ASSEMBLY

- (a) Place your hand as shown in the illustration and detach the 4 claws and 8 clips.
- (b) Disconnect the connectors and detach the clamp and remove the upper rear console panel sub-assembly.



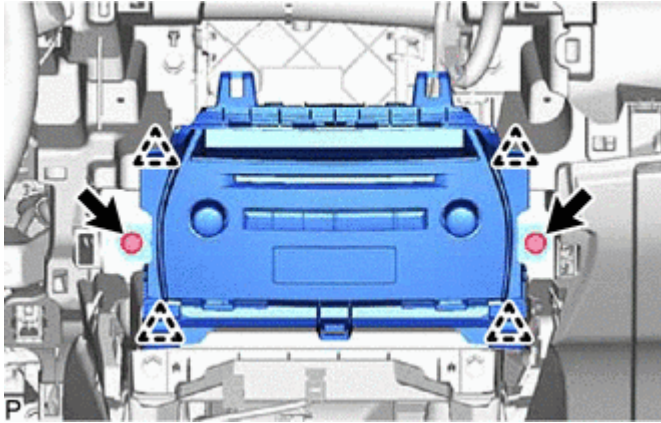
#### 15. REMOVE AIR CONDITIONING CONTROL ASSEMBLY

- (a) Pull the air conditioning control assembly to detach the 6 clips in the direction indicated by the arrow.
- (b) Disconnect the connector and remove the air conditioning control assembly.



## 16. REMOVE RADIO RECEIVER ASSEMBLY WITH BRACKET

- (a) Remove the 2 bolts.
- (b) Pull the radio receiver assembly with bracket toward the rear of the vehicle and disengage the 4 clips.
- (c) Disconnect each connector and remove the radio receiver assembly with bracket.



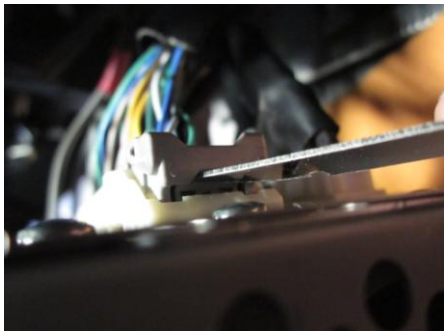
## 17. REMOVING THE CONNECTOR.

- (a) The connector circled in red is what you will be working on.

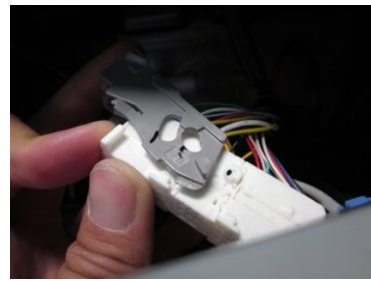
(Photo of head unit shown below is not from the Lexus NX)



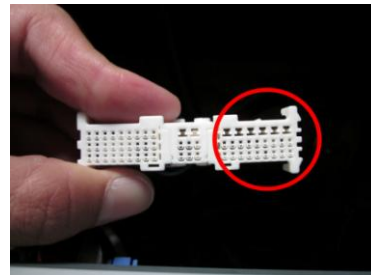
- (b) Take a flat head screw driver to release the clip on the right side of the connector. Then pull the connector out.



(c) Carefully remove the gray bracket, which is being used to keep the three connectors together.



(d) After the gray bracket is removed, the connector should look like this. The right side of the connector is what you need to disconnect from the main connector.



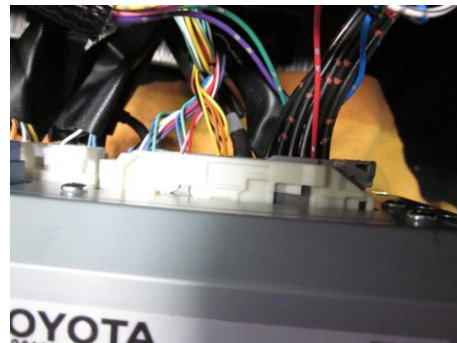
(e) Connect the male side of the NDS6223EP connector to the female connector which was disconnected from the previous step. Make sure the connection is secure and that none of the pins are exposed on the side.



(f) Take the female side of the NDS6223EP connector and link it back to the main connector, then mount the gray bracket back to the main connector.



(g) Once the main connector is in one piece with the gray bracket, insert it back to behind the oem head unit.



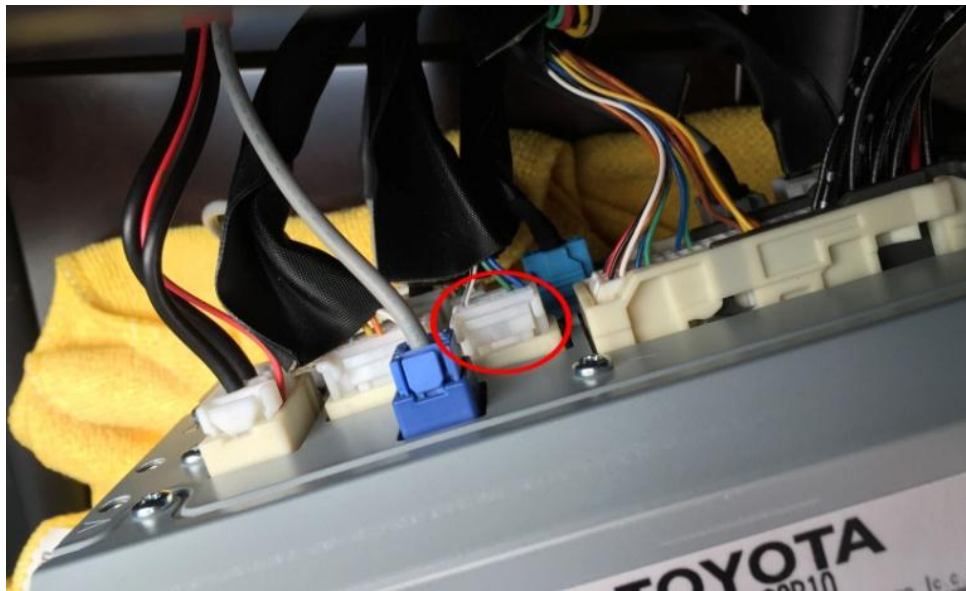
## 18. Connecting the GPS.

(i) Connecting the GPS (1-pin) connector: Find the matching GPS connector (1-pin) located behind the head unit and daisy-chain them.

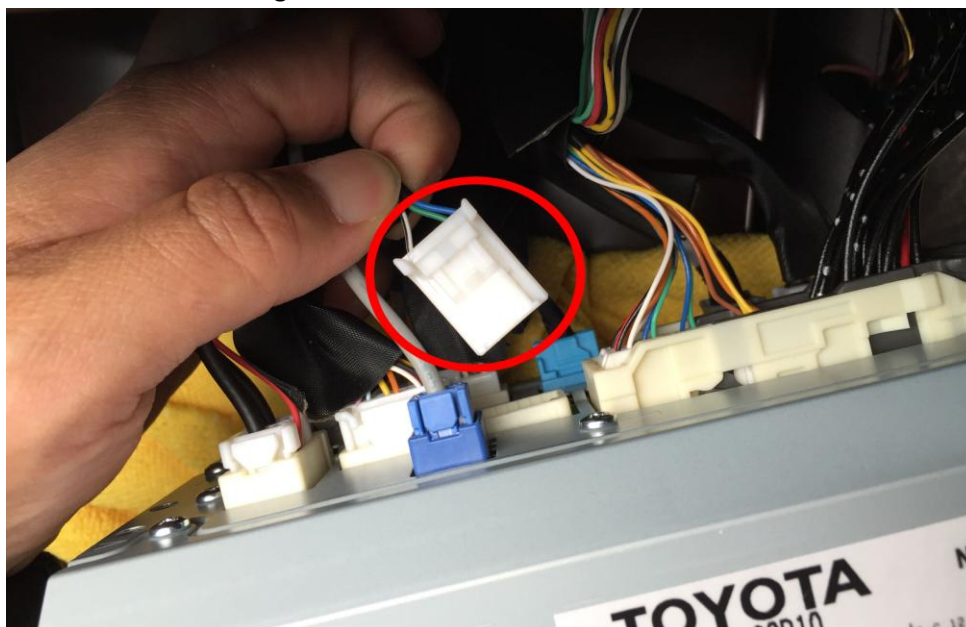
1. Unplug the factory GPS connector from the head unit.
2. Connect the matching 1-pin connector on the NDS6223EP to the same place where the factory GPS connector is removed.
3. Connect the factory GPS connector to the unoccupied side of the 1-pin connector on the NDS6223EP.

## 19. The steering wheel connector.

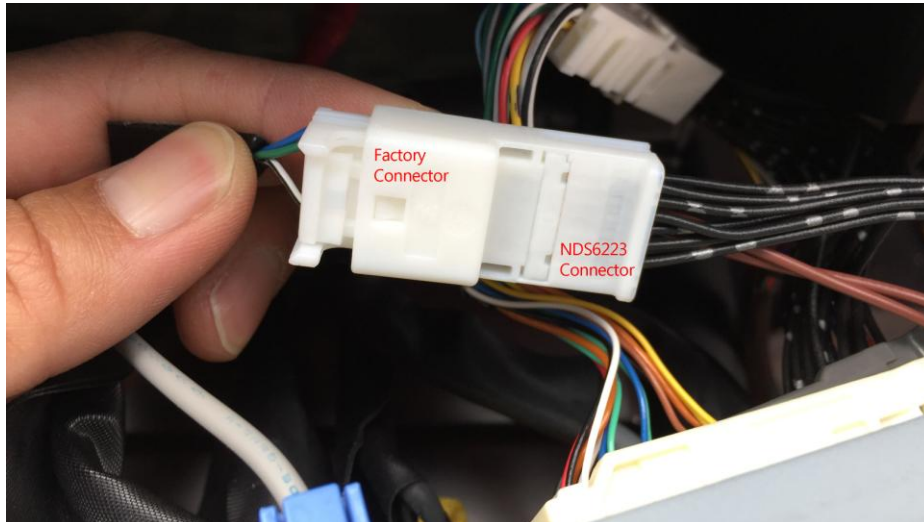
Locate the matching connector behind the factory head unit as shown on the photo.



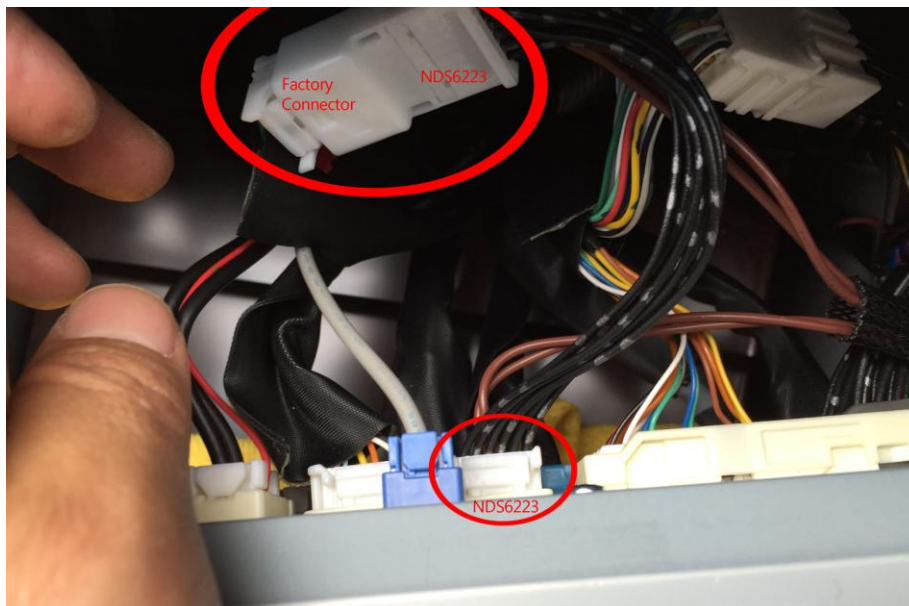
Disconnect the steering wheel control connector.



Connect the matching connector on the NDS6223EP to the factory steering wheel control connector what you just disconnected from the head unit.



Connect the other side of the NDS6223EP connector to the factory head unit.



## 20. Program the switch.

The default setting of the NDS6223EP is programmed to turn off automatically after 3 min. Please read the enclosed programming instruction (found inside the retail box) and program the switch to your desired setting.

## **TEST THE UNIT AND REVERSE PROCESS:**

Test the unit to make sure it is working well and then perform the above steps in reverse to put everything back to normal and you are done!