

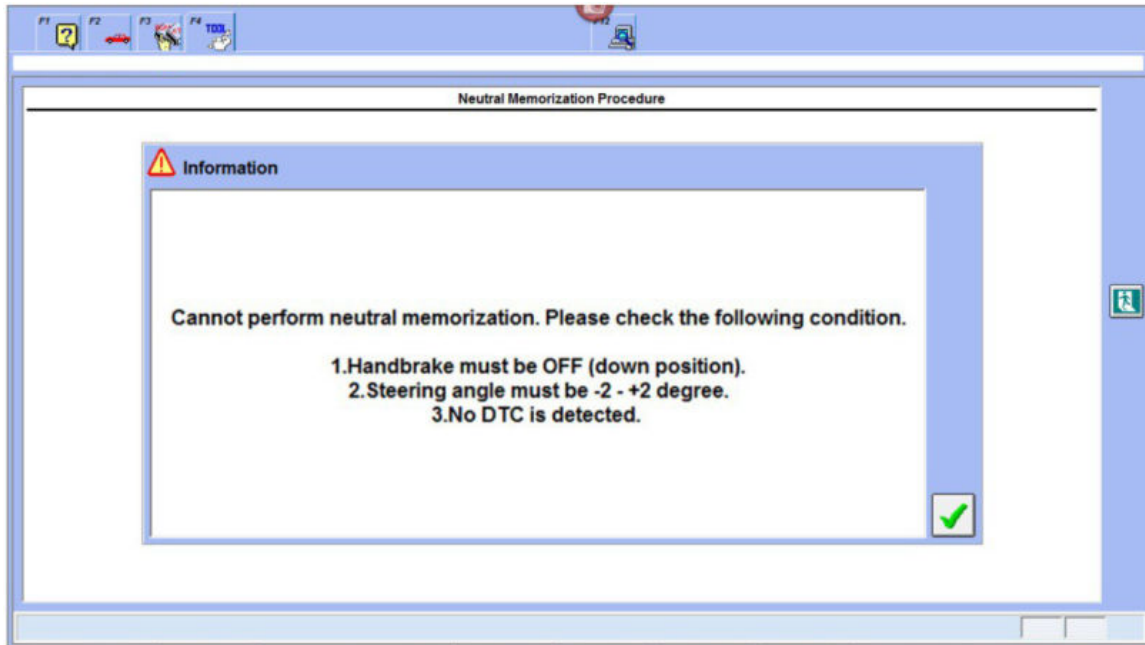
Neutral Memorization Procedure Won't Complete?

AFFECTED VEHICLES

Year	Model	Trim
2013-17	Accord	ALL
2014-17	Accord Hybrid	ALL
2014	Accord Plug-In Hybrid	ALL
2012-15	Civic	ALL
2012-15	Civic Hybrid	ALL
2017-19	Clarity Fuel Cell	ALL
2012-16	CR-V	ALL
2013-15	Crosstour	ALL
2015-19	Fit	ALL
2016-19	HR-V	ALL
2014-19	Odyssey	ALL
2016-19	Pilot	ALL
2019	Passport	ALL
2017-19	Ridgeline	ALL

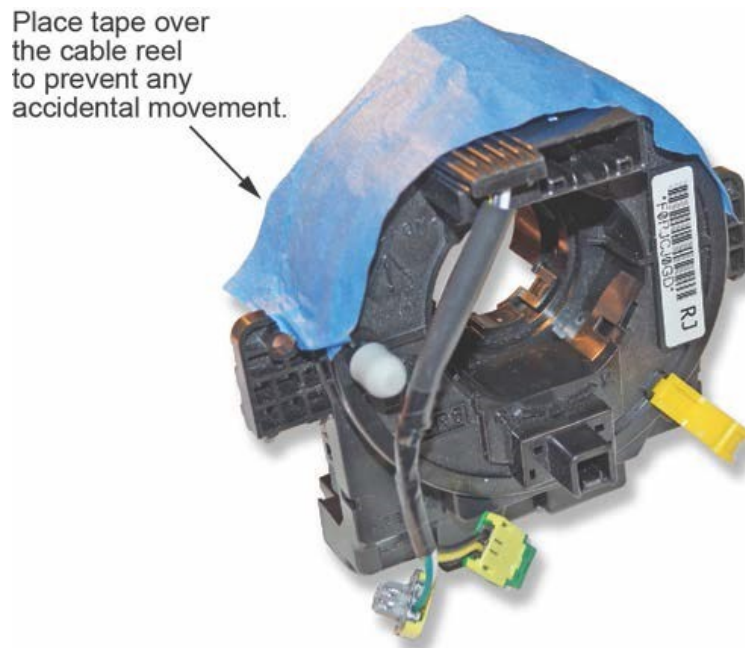
EDITOR'S NOTE: This article replaces "VSA Neutral Memorization Won't Complete," posted in **January 2015**.

When removing and installing a cable reel, you need to keep both the cable reel and the steering angle sensor in position. If you don't, the VSA indicator may come on along with one or more VSA DTCs. And when you run the **Neutral Memorization Procedure** in the i-HDS, it won't complete.



By the way, this procedure is covered as VSA Sensor Neutral Position Memorization in the service information.

To keep those parts properly positioned, here's a tip: First, make sure the front wheels are pointed straight ahead with the steering wheel in the straight-ahead position. Then, before removing the cable reel, tape both the cable reel and steering angle sensor together. This not only keeps the parts properly positioned, but keeps the sensor from accidentally moving.

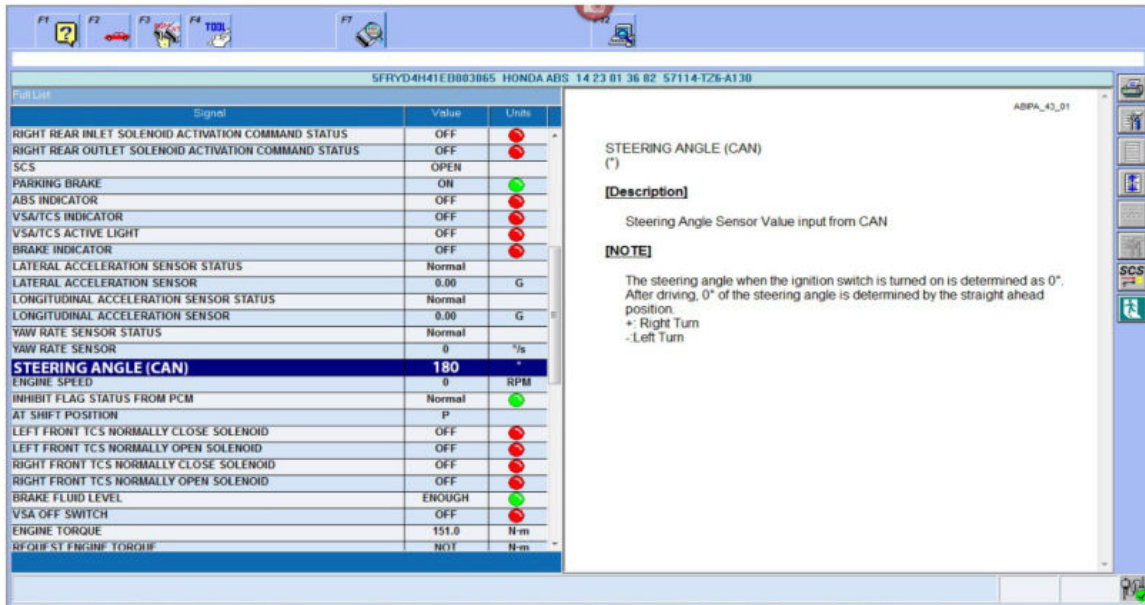


But what if for some reason the sensor moves? If so, you'll need to manually adjust it. It's an easy process that uses the i-HDS, but keep in mind it's not included in the service information.

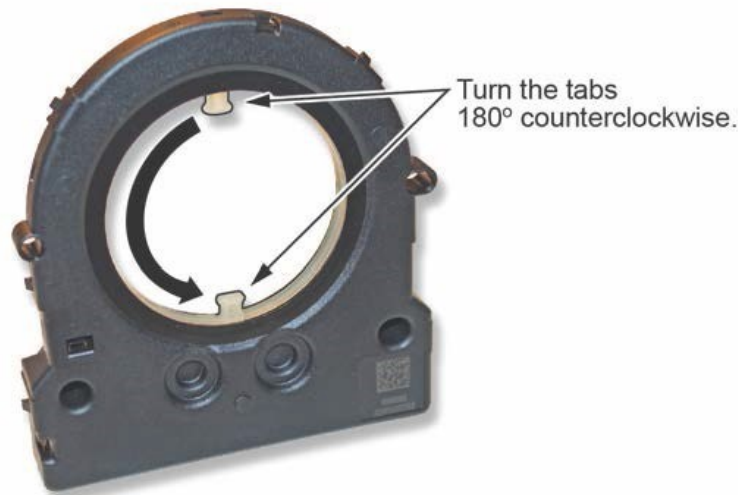
To better understand it, let's take a quick look at steering angle sensor operation. When you turn the steering wheel to the **right** (or the sensor **clockwise**), the reading **increases** or moves in a **positive** direction. When you turn it to the **left** (or the sensor **counterclockwise**), the reading **decreases** or moves in a **negative** direction.

To manually position the steering angle sensor, you first need to determine its current position with the i-HDS. How you do that depends on how far along you are with your repair.

For instance, if you've completely assembled the steering column, you'll need to go to the **ABS/TCS/VSA Data List** and check the **STEERING ANGLE (CAN)** value. If you haven't yet installed the steering angle sensor, you'll need to at least hook up the sensor, the cable reel, and either the airbag assembly or the applicable simulator tool, then read the sensor value in the data list.



In this example, the **STEERING ANGLE (CAN)** value is reading a **positive 180°**, which tells you the steering angle sensor is **180°** out of position **clockwise**. To fix this, you'll need to remove the sensor from the cable reel and turn the two tabs **180° counterclockwise** to bring the sensor back to center or **0°**.



When you're done, you'll then need to install all of the removed components and repeat the Neutral Memorization Procedure. If you've done the sensor adjustment right, the procedure should complete and you can then move on with your repair.

For a look at this manual adjustment in action, be sure to check out the *Tech2Tech*® video "Manually Adjusting the Steering Angle Sensor."