

Wrong SRS Replacement Parts Can Cause SRS DTCs 41-xx thru 46-xx

Currently Applies To: '12 Civic Sedan, '12 Civic Sedan Si, and '11 CR-V

EDITOR'S NOTE: This article revises the one posted in **March 2013**. Changes are highlighted in **yellow**.

Do you have a vehicle back from the body shop or just had some SRS parts replaced, and the **SRS** indicator is on with any or all of these SRS DTCs?

- 41-xx (no signal from the left front impact sensor)
- 42-xx (no signal from the right front impact sensor)
- 43-xx (no signal from the left side impact sensor) (first)
- 44-xx (no signal from the right side impact sensor) (first)
- 45-xx (no signal from the left side impact sensor) (second)
- 46-xx (no signal from the right side impact sensor) (second)

Chances are, some wrong SRS replacement parts were installed.

At various times during production, we used both Continental- and TRW-supplied parts. Although the wiring harnesses and connectors are exactly the same, each supplier has a different way of sending signals between the impact sensors and the SRS unit. This action doesn't apply to Japan-built models or Civic Coupes. All Civic Coupes come with Continental-supplied parts.

After a deployment, the SRS must be repaired with replacement parts from the **same** supplier that was originally used in production. If those parts are mixed and matched on the same vehicle, you'll wind up with this problem.

NOTE: A mismatched first side impact sensor could cause a DTC for a second side impact sensor, or vice versa. So, **always** make sure all of the impact sensors and the SRS unit match.

SRS Supplier Identification

To fix this problem, first you need to know which supplier's SRS was originally installed on the vehicle you're working on. This chart tells you that:

Model	Factory	SRS Supplier	Start VIN	End VIN
2012 Civic Sedan	Canada Plant 1	TRW	2HGFB2...CH500001	2HGFB2...CH515145
		Continental	2HGFB2...CH515146	2HGFB2...CH515685
		TRW	2HGFB2...CH515686	End of production
	Canada Plant 2	TRW	2HGFB2...CH300001	2HGFB2...CH307888
		Continental	2HGFB2...CH307889	2HGFB2...CH308442
		TRW	2HGFB2...CH308443	End of production
2012 Civic Sedan Si	Canada	TRW	2HGFB6E5.CH700001	2HGFB6E5.CH700071
		Continental	2HGFB6E5.CH700072	2HGFB6E5.CH700161
		TRW	2HGFB6E5.CH700162	End of production
2012 Civic Sedan	Indiana	TRW	19XFB2...CE000001 19XFB2...CE300001	19XFB...CE006019 19XFB...CE305214
		Continental	19XFB2...CE006020 19XFB2...CE305215	19XFB2F5.CE010499 19XFB2F9.CE308945

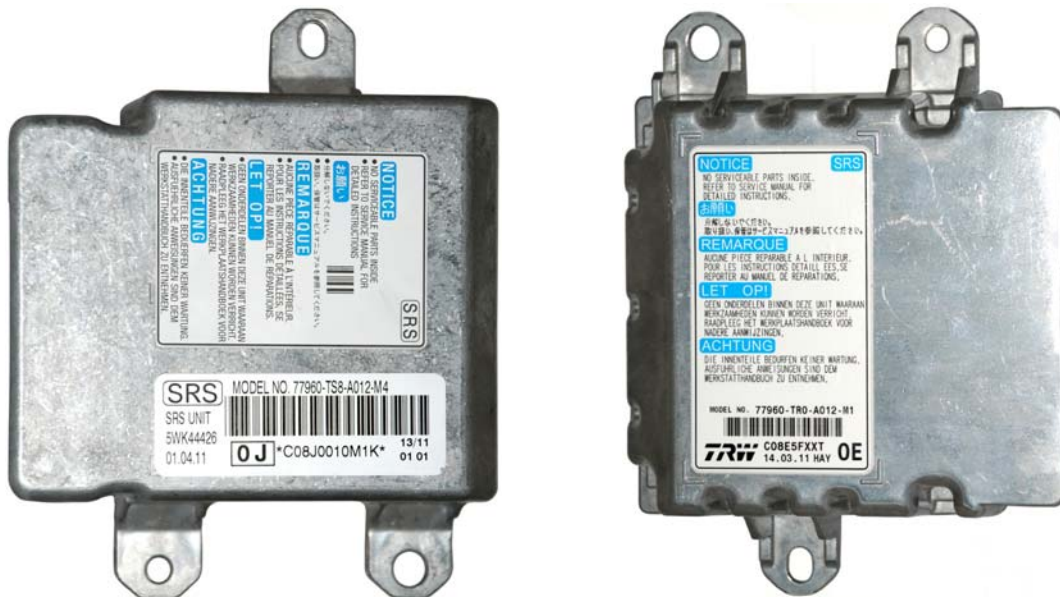
Model	Factory	SRS Supplier	Start VIN	End VIN
2012 Civic Sedan	Indiana	TRW	19XFB2...CE010500 19XFB2...CE308946	End of 12MY production End of production
2011 CR-V 2WD	Ohio	TRW	5J6RE3H..BL000001	5J6RE3H..BL041105
		Continental	5J6RE3H..BL041106	5J6RE3H..BL051849
		TRW	5J6RE3H..BL051850	End of production
2011 CR-V 4WD	Ohio	TRW	5J6RE4H..BL000001	5J6RE4H..BL084048
		Continental	5J6RE4H..BL084049	5J6RE4H..BL105927
		TRW	5J6RE4H..BL105928	End of production

SRS Parts Identification

Continental and TRW SRS parts have physical differences that make them easy to tell apart.

SRS Unit

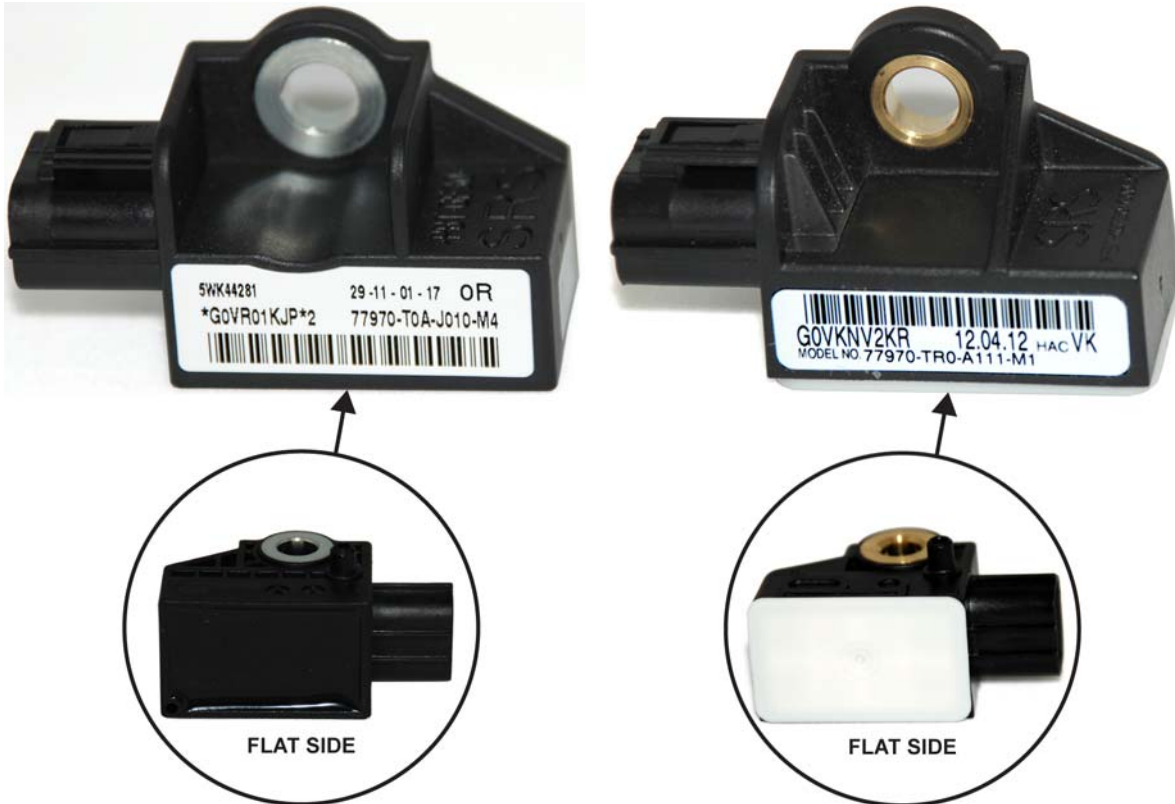
- Continental units have a smooth housing. The barcode label doesn't have a logo and it's separate from the notice.



- TRW units are scalloped around the outside of the housing. The barcode label has the TRW logo and it's combined with the notice.
- The replacement part number for either unit is the **first 11 characters** of the 14-character model number on the barcode label.

Front and Side Impact Sensors

- The flat side of a Continental impact sensor is **black**.



- The flat side of a TRW impact sensor is **white**.
- Neither sensor has a logo.
- TRW impact sensors have three angular braces next to the mounting bolt hole.
- The replacement part number for either sensor is the **first 11 characters** of the 14-character model number on the barcode label.

SRS Replacement Parts

Here are all of the SRS replacement parts and their part numbers, as they apply to each model:

Model	Replacement Part (From Parts Catalog Description)	Part Number	Supplier	
2012 Civic	SRS Unit (Sedan)	77960-TR0-C01	Continental	
	SRS Unit (Coupe)	77960-TS8-A01		
	Bracket, R. SRS Sensor (w/Sensor)	77930-TS8-B11		
	Bracket, L. SRS Sensor (w/Sensor)	77930-TS8-B21		
	Sensor Assy., Side Impact (Sedan)	77970-T0A-J01		
	Sensor Assy., Side Impact (Coupe)	77970-TS8-A01		
	2011 CR-V	SRS Unit	77960-SWA-L21	Continental
		Sensor Assy., Fr. Crash	77930-SWA-E11	
		Sensor Assy., Side Impact	77970-SWA-E11	
		2011 CR-V	SRS Unit	77960-SWA-A22
Sensor Assy., Fr. Crash	77930-SWA-A11			
Sensor Assy., Side Impact	77970-SWA-A11			

Once you've determined which supplier's SRS the vehicle **should** have, then you need to find out if there are any wrong parts installed. There are several ways you can do that, depending on the model and what's still available from the body shop that did the work.

- **Replaced Parts Available:** In this case, you can compare the barcode labels on the replaced parts to the **SRS Replacement Parts** chart in this article.
- **Body Shop RO or Parts Ordering Paperwork Available:** In this case, you can compare the part numbers that were ordered to the **SRS Replacement Parts** chart.
- **No Replacement Parts or Shop Paperwork Available:** In this case, you'll need to inspect the SRS unit and impact sensors, and compare them to the **SRS Parts Identification** photos and the **SRS Replacement Parts** chart in this article. To help save you time, use the set DTCs to focus your inspection. For example, if DTC 41-xx is set, start with the left front impact sensor.

NOTE: If you're working on a Civic, the HDS can tell you which supplier's SRS unit is installed. Just go to **SRS Data List**, and scroll down to **ECU MAKER**. You'll see either **CONTINENTAL** or **TRW**. Keep in mind, no part number is shown, just the maker.

If you find any wrong parts, replace them with the right ones based on the **SRS Replacement Parts** chart. When you're done, clear the DTCs, and if needed, initialize the ODS unit. In the unlikely event that all the right parts were installed, continue with normal DTC troubleshooting. A bad sensor, wiring, or SRS unit can also set those DTCs.

Prevention Tips

The best way to keep this problem from happening is for the body shop to order the right replacement parts. The **SRS Supplier Identification** chart says which supplier's SRS the vehicle **should** have. The **SRS Replacement Parts** chart gives accurate parts ordering info.

For More Info

To learn more about this, be sure to check out self-study module RSC26, *Restraint System Repair Procedures*, in the dealer's Online University. You'll also find some good guidance in the **February 2012 ServiceNews** article "SRS Indicator On, but Can't Read Any DTCs? Read This," and the *Tech2Tech* segments "Turning Off the SRS Indicator When the Body Shop Can't" and "Wrong Replacement Parts Can Cause SRS DTCs."