

## Removal of Smart Junction Box to Locate Proper Wire for Product # 3475

In some rare instances, Ford varied the wire colors used in 2007 and some early 2008's without making changes to the official wiring diagrams available. Although this primarily affects 2007/2008 models, the following information will be useful to anyone having problems locating the proper wire for their 2005-2009 Mustang.

Typically, the thin **white** wire with a **pink** stripe is the correct wire. Sometimes the stripe may appear **PURPLE**.

Less commonly, a thicker **orange** wire with **pink** stripe works. We include a 2<sup>nd</sup> blue wire-tap in case you have this configuration.

If you believe your Mustang has this issue and have already tried locating a wire matching the color(s) listed above, the best way to identify the proper wire is to locate the wire as it comes out of the SJB (Smart Junction Box).

In the following pages, a diagram of the SJB is provided as well as an illustration of the proper connector we need to locate and isolate the proper wire. There are also step-by-step instructions on how to remove the SJB to gain access to the connectors on the backside.

This should help you determine the correct connector. On page 2-5 of this document all of the connectors on the backside are shown and labeled. The pin# you are looking for is #21.

When you are ready to remove the SJB, visit pages 6-7 below for instructions on removing the SJB. Please note this procedure takes 15-30 minutes to complete.

If you prefer not to complete the installation at this point or do not have the tools or expertise to perform the removal, please contact us using the instructions below to return the product for a FULL REFUND.

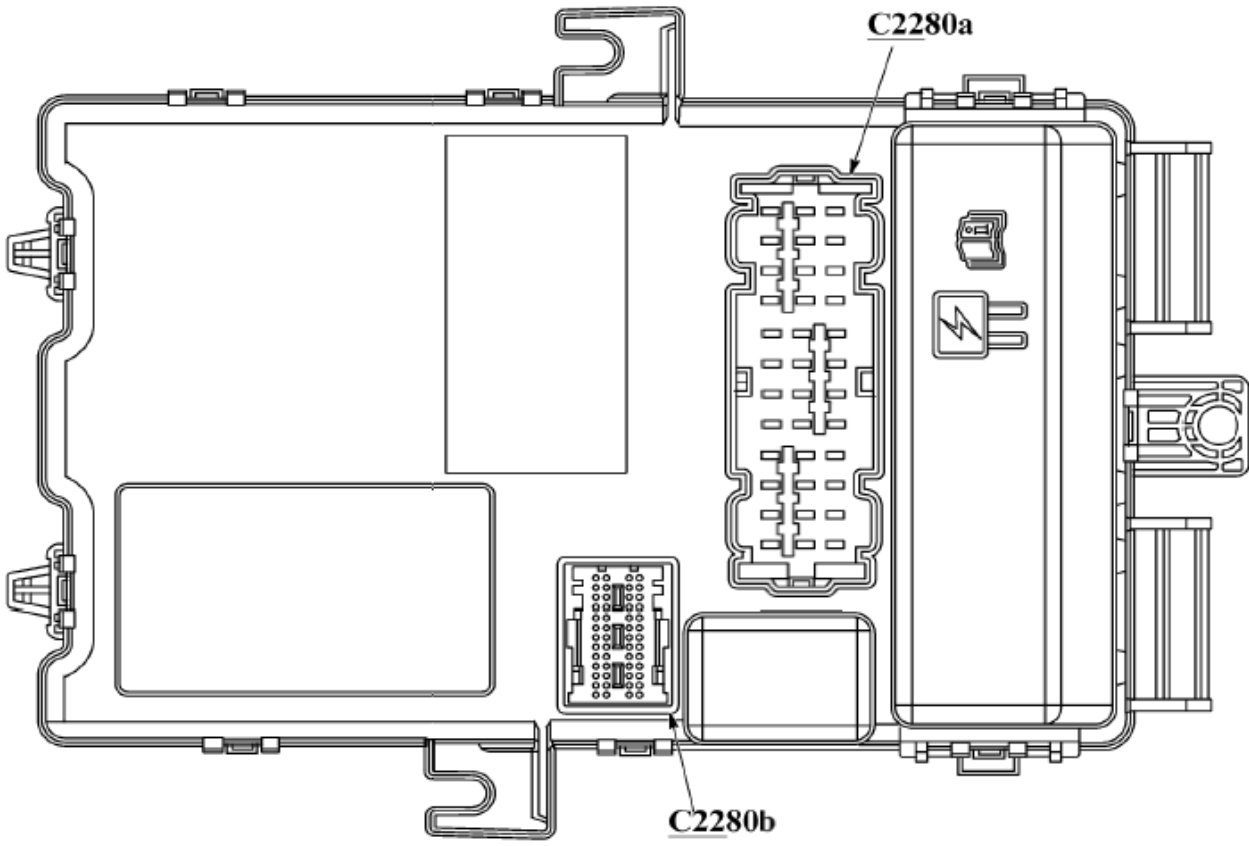
1. Please email us at [Tech@Starkey-Products.com](mailto:Tech@Starkey-Products.com)
2. In the email title, enter "RETURNING 3475 FOR REFUND"

No other information is necessary – we will respond with an RMA# and instructions on how to return the product to Starkey Products for a full refund.

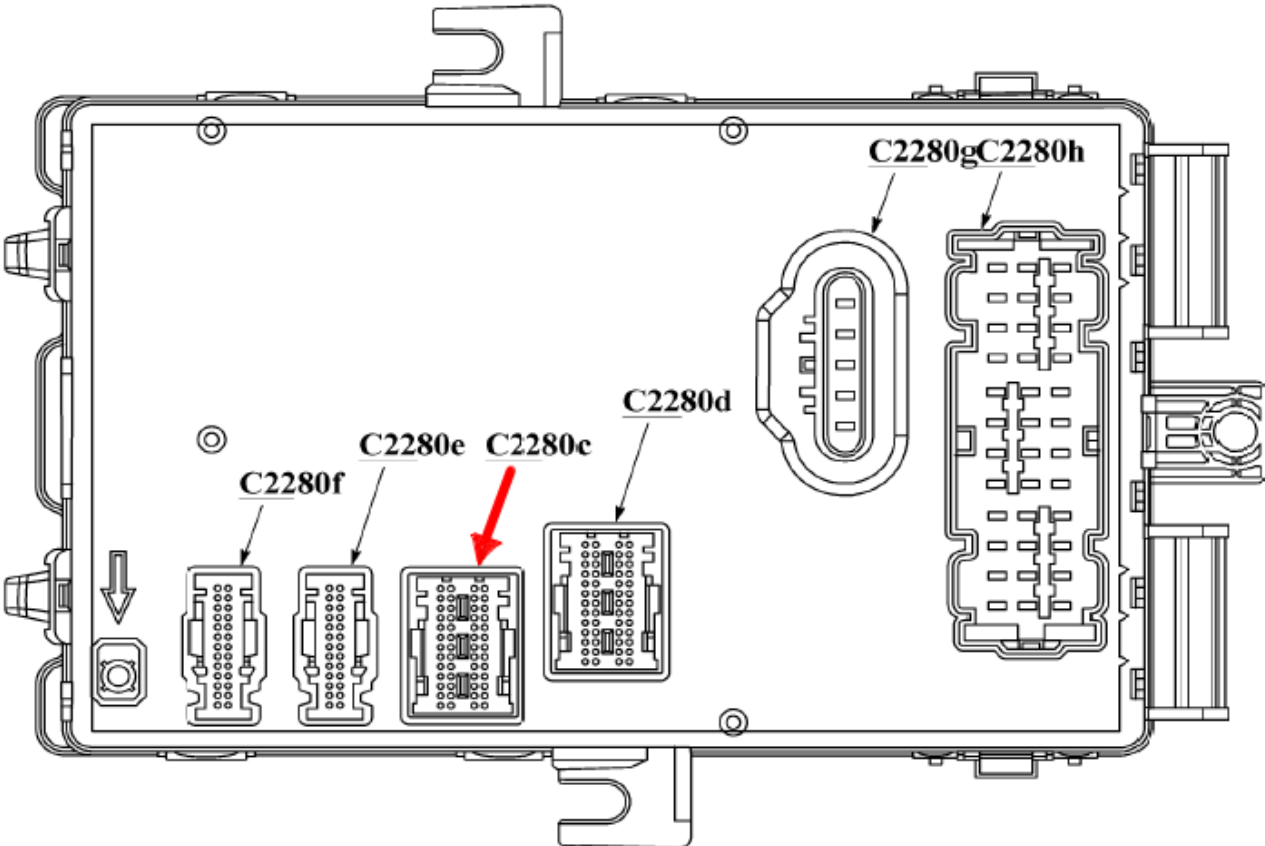
In extremely rare cases, we have had a few customers who were unable to get the product to work despite following the alternate instructions for determining the correct wire (even when their key FOB works). There seem to be a minority of vehicles configured in such a way that this product would not work. If you feel this may be your situation, please contact us for a refund using the instructions in **RED** above.

We apologize for the additional inconvenience this causes you, our customer!

**Smart Junction Box (SJB) (15604)**  
**Front View**



**Smart Junction Box (SJB) (15604)**  
**Back View - Hidden until SJB is removed**



Connector  
:  
**C2280C**

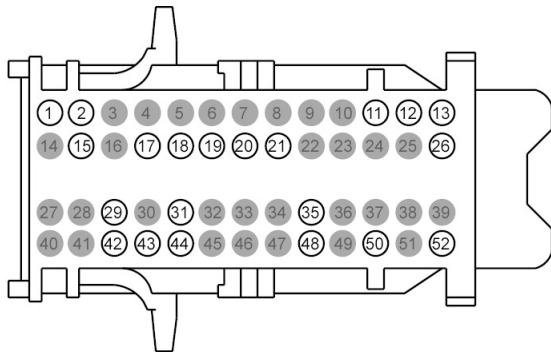
Description  
**SMART JUNCTION  
BOX (SJB)**

Color  
**BK**

Harness  
[14A005](#)

Base Part #  
[15604](#)

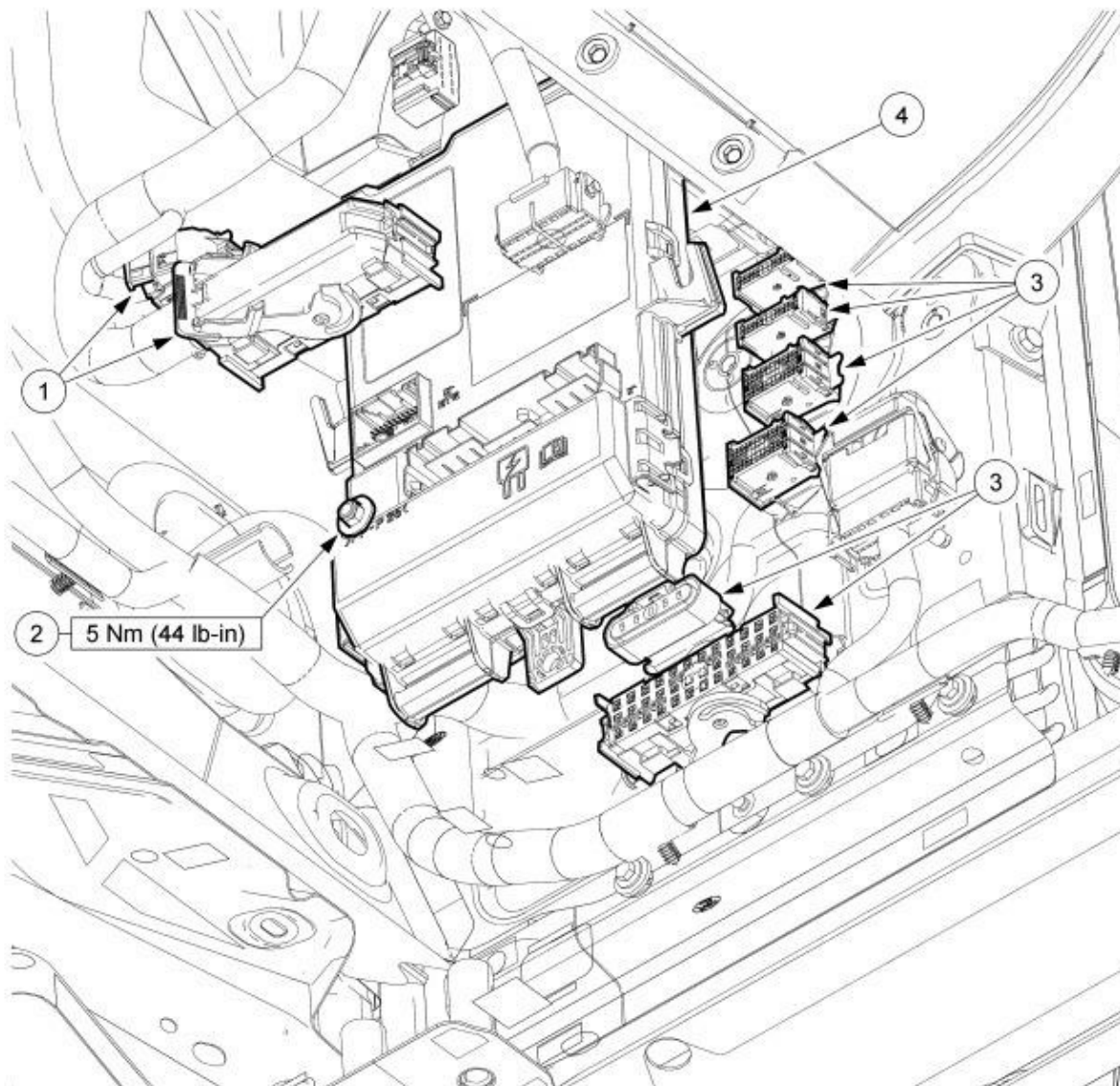
Service Pigtail  
**Not Available**



Pin	Circuit	Gauge	Circuit Function	Qualifier
1	1708 (LG-BK)	22	High beam relay, control	
2	1347 (DB-WH)	22	Fog lamp relay, control	
3	*	*	Not Used	
4	*	*	Not Used	
5	*	*	Not Used	
6	*	*	Not Used	
7	*	*	Not Used	
8	*	*	Not Used	
9	*	*	Not Used	
10	*	*	Not Used	
11	588 (VT)	22	Convertible top raise relay, control	
12	1389 (WH)	22	Rear window defrost relay, control	
13	26 (WH-VT)	22	Luggage compartment lid release relay, control	
14	*	*	Not Used	
15	707 (WH-YE)	22	Luggage compartment lamp, feed	
15	1711 (VT-OG)	22	Anti-theft hood switch, switch sense	
16	*	*	Not Used	
17	1351 (TN)	22	Luggage compartment lid ajar switch, signal	
18	1558 (TN-BK)	22	Convertible Top, Up	
19	700 (WH-VT)	22	Convertible Top, Down	
20	2012 (RD-BK)	22	Rear window, Down	
21	1350 (WH-PK)	22	Anti-theft luggage compartment switch, disarm	
22	*	*	Not Used	
23	*	*	Not Used	
24	*	*	Not Used	
25	*	*	Not Used	
26	1174 (WH-RD)	22	Convertible top lower relay, control	
27	*	*	Not Used	
28	*	*	Not Used	
29	1323 (OG-RD)	22	Horn relay, control	
30	*	*	Not Used	
31	1357 (LB-YE)	18	Fuel sender level return	
32	*	*	Not Used	
33	*	*	Not Used	
34	*	*	Not Used	
35	512 (TN-LG)	22	Signal return	
36	*	*	Not Used	
37	*	*	Not Used	
38	*	*	Not Used	
39	*	*	Not Used	
40	*	*	Not Used	
41	*	*	Not Used	

42	208 (GY)	20	Oil pressure switch signal
43	29 (YE-WH)	18	Fuel sender level 2 signal
44	1356 (LG-VT)	18	Fuel sender level 1 signal
45	*	*	Not Used
46	*	*	Not Used
47	*	*	Not Used
48	547 (LG-YE)	22	Brake fluid level switch, signal
49	*	*	Not Used
50	1309 (RD-YE)	22	Parking brake switch signal
51	*	*	Not Used
52	2014 (YE-LB)	22	Rear window, Down

### Smart Junction Box (SJB)



N0009525

Step	Part Number	Description
1	—	Disconnect the Front SJB electrical connectors (2 required) (part of 14401)
2	<a href="#">W701014</a>	Remove the SJB retaining nut
3	—	Rear SJB electrical connectors (6 required) (part of 14A005)
4	<a href="#">14A067</a>	SJB

## Removal and Installation

1. Disconnect the battery. **NOTICE:** Electronic modules are sensitive to static electrical charges. If exposed to these charges, damage may result.
2. Remove the A-pillar lower trim panel (kick panel) on the passenger side.
3. Disconnect the 2 front SJB electrical connectors.
4. Remove the SJB retaining nut.
  - To install, tighten to 5 Nm (44 lb-in).
5. Slide the SJB downward and position the SJB forward to access the rear electrical connectors.
6. Disconnect the 6 rear SJB electrical connectors
7. Remove the SJB.
8. **NOTICE: Make sure that the wiring harnesses are correctly routed. Pinching the wiring harnesses between the SJB and the mounting surface may cause damage to the wiring harness.**

**NOTE:** *Do not remove the watershield from the SJB.*

To install, reverse the removal procedure.