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Strpump SP-CAB-006A

Strpump Ford SYNC 2 to SYNC 3 Upgrade USB Media Hub Power Adapter Harness (Gen 1) Instruction Manual

1. Introduction

This instruction manual provides detailed guidance for the installation and use of the Strpump USB Media Hub Power Adapter Harness, designed for upgrading Ford SYNC 2 systems to SYNC 3. This adapter facilitates the connection of a SYNC 3 media hub to vehicles originally equipped with SYNC 2, ensuring proper power and data transfer.

Please read this manual thoroughly before installation to ensure correct setup and optimal performance.

2. Product Overview

The Strpump Gen 1 Adapter is a specialized wiring harness that converts the existing 12-pin connection (8-pin + 4-pin) from a Ford SYNC 2 system to be compatible with a SYNC 3 media hub. This adapter is essential for a seamless upgrade, providing the necessary power and data lines for the new SYNC 3 USB media hub.



Figure 2.1: Front view of the Strpump Gen 1 USB Media Hub Power Adapter Harness. This image shows the adapter with its two connectors and the main wiring wrapped in protective sleeving.



Figure 2.2: Rear view of the Strpump Gen 1 USB Media Hub Power Adapter Harness, showing the reverse side of the connectors and wiring.

3. Compatibility

This Gen 1 adapter is specifically designed for certain Ford vehicles. Please refer to the compatibility table below to ensure your vehicle model and year are supported. The adapter is compatible with original 12-pin hubs (two rows of 6 pins).

Vehicle	GEN 1	GEN 2A	GEN 2B
Photo			
Pin	Two rows of 6pins	One row of 8 and one row of 4	two rows of 4 pins
C-MAX	2013-2014	2015	
Edge	2011-2014	2015	
Escape	2011-2015		
Expedition		2015	
Explorer	2011-2013	2014-2015	
F-150	2013-2014	2015	
F-250+	2013-2016		
Fiesta	2013	2014-2015	
Flex	2013-2014	2015	
Focus	2012-2014		2015
Fusion	2013-2015		
Mustang			2015
Taurus	2013-2015		
Transit	2014	2015	

Figure 3.1: Compatibility chart for Ford SYNC USB Media Hub adapters. This table details which adapter generation (Gen 1, Gen 2A, Gen 2B) is suitable for various Ford vehicle models and model years, based on the pin configuration.

Note: This product is a Gen 1 adapter. Ensure your vehicle's original USB media hub uses a 12-pin configuration (two rows of 6 pins) and matches the models and years listed under "GEN 1" in the table.

Table 3.1: Gen 1 Adapter Compatibility

Vehicle	GEN 1 (Years)

Vehicle	GEN 1 (Years)
C-MAX	2013-2014
Edge	2011-2014
Escape	2011-2015
Explorer	2011-2013
F-150	2013-2014
F-250+	2013-2016
Fiesta	2013
Flex	2013-2014
Focus	2012-2014
Fusion	2013-2015
Taurus	2013-2015
Transit	2014

4. Package Contents

Upon opening the package, please verify that all components are present and undamaged.

- 1 x Strpump Gen 1 USB Media Hub Power Adapter Harness

5. Setup and Installation

Installation of the Strpump Gen 1 Adapter is designed to be straightforward, following a plug-and-play principle. However, it requires access to the vehicle's existing USB media hub wiring. Professional installation is recommended if you are unfamiliar with automotive electrical systems.

5.1 Safety Precautions

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical work to prevent short circuits or damage to vehicle components.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Refer to your vehicle's service manual for specific instructions on removing trim panels and accessing the USB media hub.

5.2 Installation Steps

1. **Access the Existing USB Media Hub:** Carefully remove the necessary trim panels in your vehicle to gain access to the back of the existing SYNC 2 USB media hub.
2. **Disconnect Original Wiring:** Locate the 12-pin connector (8-pin + 4-pin) attached to your SYNC 2 USB media hub. Gently disconnect this connector.
3. **Connect the Gen 1 Adapter:**
    - Connect the end of the Strpump Gen 1 Adapter that matches the original 12-pin connector to the vehicle's wiring harness.
    - Connect the other end of the Strpump Gen 1 Adapter to the new SYNC 3 USB media hub. Ensure all

connections are secure and fully seated.

4. **Test Functionality:** Before reassembling the trim panels, reconnect the vehicle battery and turn on the ignition. Verify that the new SYNC 3 media hub powers on and functions correctly. Test USB connectivity and any other features.
5. **Reassemble:** Once functionality is confirmed, carefully reassemble all trim panels, ensuring no wires are pinched or damaged.

6. Operating Instructions

The Strpump Gen 1 Adapter is a passive component designed to facilitate the electrical connection between your vehicle's wiring and a SYNC 3 USB media hub. It does not require any specific operational steps beyond its correct installation.

Once installed, the adapter enables the SYNC 3 media hub to receive power and data, allowing it to function as intended within your vehicle's SYNC 3 system. Refer to your Ford SYNC 3 system's user manual for instructions on operating the media hub and its features.

7. Maintenance

The Strpump Gen 1 Adapter is designed for long-term reliability and requires minimal maintenance.

- **Cleaning:** If the adapter becomes dirty during installation, wipe it with a dry, clean cloth. Do not use liquid cleaners directly on the connectors.
- **Inspection:** Periodically inspect the connections to ensure they remain secure, especially if you experience intermittent issues with your media hub.
- **Storage:** If the adapter is not immediately installed, store it in a dry, cool place away from direct sunlight and extreme temperatures.

There are no user-serviceable parts within the adapter. Any attempt to open or modify the adapter may void its functionality and any implied warranty.

8. Troubleshooting

If you encounter issues after installing the Strpump Gen 1 Adapter, consider the following troubleshooting steps:

- **No Power to SYNC 3 Media Hub:**
  - Ensure all connections to the adapter and the SYNC 3 media hub are fully seated and secure.
  - Verify that the vehicle's battery was reconnected properly.
  - Check vehicle fuses related to the infotainment system or USB power.
- **USB Devices Not Recognized:**
  - Confirm the USB device is compatible with the SYNC 3 system.
  - Try a different USB device to rule out a device-specific issue.
  - Ensure the SYNC 3 media hub itself is functioning correctly (e.g., by connecting it directly if possible, or checking its own power indicator).
- **Intermittent Connectivity:**
  - Re-check all connections for looseness.
  - Ensure the adapter and wiring are not pinched or stressed by surrounding trim panels.

If problems persist after attempting these steps, it is recommended to consult with a professional automotive technician or

contact Strpump customer support.

9. Specifications

Feature	Detail
Model Number	SP-CAB-006A
Product Type	USB Media Hub Power Adapter Harness
Compatibility	Ford SYNC 2 to SYNC 3 Upgrade (Gen 1, 12-pin original hub)
Connector Type	Proprietary Ford automotive connectors
Material	Polyvinyl Chloride (PVC)
Item Weight	0.05 Kilograms (1.76 ounces)
Package Dimensions	4.72 x 1.97 x 1.18 inches

Note on Connector Type: The product is a wiring harness with proprietary Ford connectors for SYNC 2 and SYNC 3 media hubs. The specification "USB Type C" in some product listings refers to the type of port on the SYNC 3 media hub that this harness enables, not the harness's own connectors.

10. Warranty and Support

For warranty information or technical support regarding your Strpump Gen 1 Adapter, please contact the seller or manufacturer directly through the platform where the product was purchased. Keep your proof of purchase for any warranty claims.

Manufacturer: Strpump

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