



Installation instructions for part AX-FD1

AX-FD1 Ford CAN Data Interface 2007-up

INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Can be used in both non-amplified and amplified models (including Sony/THX)
- Retains balance and fade (excluding Sony/THX)
- Micro "B" USB updatable

APPLICATIONS

FORD		FORD (CONT)		LINCOLN	
Econoline (w/ CD)	2009-up	F-150 STX/XLT base	2014	MKX	2007-2010
Edge	2007-2010	F-250/350/450/550	2011-2012	MKZ	2007-2009
Escape	2008-2012	F-250/350/450/550 XLT, XL	2013-2016	Navigator	2007-2014
Expedition	2007-2014	(w/ CD)	2013-2016	MAZDA	
Explorer (with NAV)	2009-2010	F-650/750 (w/ CD)	2016-up	Tribute	2008-2011
Explorer Sport Trac		Focus	2008-2011	MERCURY	
(with NAV)	2009-2010	Fusion	2010-2012	Mariner	2008-2011
F-150 *	2009-2012	Mustang	2009-2014	Milan	2010-2011
F-150 STX/FX2 base/XLT base	2013	Taurus	2010-2012		

* XL models must be equipped with a CD player

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INTERFACE COMPONENTS

- AX-FD1 interface • AX-FD1 harness
- 8-pin sub/center harness

TOOLS REQUIRED

- Wire cutter • Crimp tool • Solder gun • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.



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Connections to be made

From the AX-FD1 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Red** wire to the accessory wire.
- Connect the **Blue** wire to the power antenna wire.
- For models equipped with a Sony/THX amplifier only, connect the **Blue/White** wire from the 12-pin connector to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
- For the Ford Expedition only, connect the **Blue/White** wire from the 24-pin connector to the amp turn on wire, if applicable. This wire must be connected to hear sound from the factory amplifier, if applicable.

Note: Only connect if a wire is populated on the factory side.

- If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

The following (3) wires are only for multimedia/navigation radios that require these wires.

- Connect the **Blue/Pink** wire to the VSS/speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire.
- Connect the **Light Green** wire to the parking brake wire.

12-pin pre-wired ASWC-1 harness:

- This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming.

Note: If the vehicle is not equipped with Bluetooth/Sync, cut the **Gray/Red** wire and tape it off.

Note: Disregard the harness that comes with the ASWC-1.

From the 8-pin sub/center harness to the aftermarket radio:

- Connect the (2) **Blue/White** wires to the amp turn on wire. These wires must be connected to hear sound from the factory amplifier, if applicable.
- If the vehicle is equipped with a factory subwoofer, connect the **White** RCA jack to the subwoofer out jack.
- If the vehicle is equipped with a SONY/THX amplifier, connect the **Red** RCA jack to the center channel out jack on the aftermarket radio/processor.

Note: If this jack is not present on the aftermarket radio, just leave be. Only the center channel speaker will be lost.



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Installing the AX-FD1

With the key in the off position:

- Connect the AX-FD1 harness into the interface, and then to the wiring harness in the vehicle.

Note: Both connectors of the AX-FD1 harness must be connected to the vehicle.

- Connect the 8-pin sub/center harness to the wiring harness in the vehicle.

Note: If using the ASWC-1, connect it after you initialize and test the AX-FD1, with the key in the off position.

Initializing the AX-FD1

Attention! If the interface loses power for any reason, the following steps will need to be performed again. Also, if installing an ASWC-1 connect it after you initialize and test the interface/radio, with the key in the off position.

- Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.

Note: If the radio does not come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.

- Turn the key to the off position, and then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.



Installation instructions for part AX-FD1

IMPORTANT

If you are having difficulties with the installation of this product, please call our Tech Support line. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.