



BACKUP CAMERA INSTALLATION – Ford F-Series

Thank you for your purchase! These instructions are intended for the do-it-yourselfer who decides to install the camera without professional assistance. Keep in mind you will be installing a device that uses electrical power from your computer controlled truck. If you are not confident in your ability to attach this device without frying your electrical system, new camera, or yourself please seek PROFESSIONAL INSTALLATION!

BEFORE YOU BEGIN

READ AND UNDERSTANT THIS DOCUMENT BEFORE INSTALLING ANYTHING!

Wire Harness: The harness for this kit is designed to make all electrical connections inside the cab. However, there is also a quick pigtail at the back of the harness so you can make a quick connection to the reverse power in trailer harness if desired. Follow these instructions carefully.

If you are using the factory NAV screen as your display: You must have a Lockpick for your model of Ford GPS unit. Please contact us with the model year and radio details for more information on connecting directly to your factory navigation through one of our interface solutions.

If you are using one of our video capable auto-dim mirrors as your monitor: You need to contact us for a different set of instructions as these instructions are for navigation or external monitor installs only.

If you are using an aftermarket navigation display such as a Pioneer navigation receiver you should already have the proper video input and reverse trigger wire required for this installation.

KIT CONTENTS

- Ford emblem baseplate with pre-mounted CCD camera
- Ford blue oval nameplate
- (2) #14 x 1-1/4 hex screws
- (2) Ford body screws with (2) nut clips (use only if camera opening is already in tailgate)
- 25' pre-loomed wire harness
- (1) U-terminal (for grounding)
- (1) red tap splices for tapping into factory wiring harness
- 8" zip ties
- (2) 1" plastic hole grommets for harness passage through tailgate and box
- Fishing line for removing the old blue oval
- Emblem drilling template (shape of the Ford emblem)

REQUIRED TOOLS

- Standard wire stripper/crimper
- Heat Gun
- Drill
- File
- Center punch
- 1-3/4" hole saw
- 1/8" drill bit
- 3/16" drill bit
- Step bit capable of 1" or 1" hole saw
- Fish tape
- 3/8" socket for trucks without factory camera opening in tailgate
- 9/32" socket for trucks with factory camera opening in tailgate
- Anti-corrosion lubricant
- Electrical tape
- Soldering iron and solder (optional)
- Shrink tube (optional)

Section 1, Setting up

Unpack the contents of the package and gather the required tools listed above so you can be sure you have everything you need before you begin. Understand these instructions thoroughly before you begin!

Section 2, Camera Hardware installation

This camera system is designed to take the place of the factory Ford oval in the center of your tailgate. If your truck does not have this large blue oval in the center of the tailgate you have purchased the wrong kit. This kit covers model years ranging from 2005-2012, with some 2004 models also included.

1. Remove the old Ford oval from your tailgate. This emblem is held on with two sided tape and will come off easily with a little heat and fishing line. Do not pry on the nameplate as you will probably dent your tailgate or scratch the paint. Heat the nameplate evenly using your heat gun then use the included fishing line to carefully go behind the nameplate to work the emblem away from the tailgate surface. Leave the two sided tape on the tailgate if possible as it will help secure the new camera baseplate to the tailgate.
2. **If your truck already has a large opening for the camera skip to step 3.** Create the opening in the tailgate for the camera by carefully aligning the drilling template over the top of the old emblem area. Make sure you have it aligned as close as possible so that the hole does not get enlarged beyond what the baseplate is going to cover when reinstalled.
 - a. Align the template over where the existing emblem was mounted and mark the camera hole and the two mounting bolt holes using a center punch
 - b. Drill a pilot hole for camera using a 1-3/4" hole saw
 - c. Enlarge hole as needed with a file so that the camera passes through the tailgate
 - d. Drill 1/8" holes for sheet metal screw pilot holes that hold the emblem to the tailgate. Alternatively you can drill 3/8" holes, file them square, and use the included clip-nuts.

3. **If you already have a hole in the bottom of your tailgate and bed then skip to step 6.** Mark the back of the pickup box for the hole that has to be drilled for wire passage. If you have an existing hole in the bottom of the tailgate, (off center square hole), mark the end of the bed where the opposing hole must be drilled. If you don't have an existing hole in the bottom of your tailgate then mark the approximate center of the tailgate and bed area for drilling.
4. Remove the tailgate.
5. Drill a 1" hole where you placed your marks in step 3. Drill a 1/8" pilot hole in the center of the bottom of the tailgate where you marked previously, then use the step bit to enlarge it to 1". Use some anti-corrosion lubricant on the bare metal and insert one of the black 1" grommets into the hole.
6. If Ford had already drilled your camera hole, insert the two clip nuts into the bolt openings in the tailgate, otherwise next step.
7. Using the fish tape pull the camera power wire from the top hole in the emblem oval area down through the bottom of the tailgate. Make sure the camera backing plate assembly fits flush and centered on the tailgate. The camera should pass through the hole without offsetting the backing plate. If not, you will need to use a file or dremel tool to enlarge the hole as necessary to make the camera fit in the hole without offsetting the backing plate. BE CAREFUL not to enlarge the hole beyond what the baseplate will cover when installed.
8. Screw the backing plate assembly to the tailgate using either the included #14 mounting bolts or the included Ford body bolts for pre-drilled applications. The #14 bolts take a 3/8" socket and the Ford body bolts are 9/32". **DO NOT INSTALL THE BLUE OVAL FORD TRIM COVER YET!!**



9. Drill the hole in the back of the bed for wire passage. MAKE SURE THERE ARE NO WIRES BEHIND THE LOCATION YOU INTEND TO DRILL. Drill a 1/8" pilot hole in the back of the bed where you placed a mark for the wire passage in step 4. Use the step bit to enlarge the hole to 1", cover

with anti-corrosion lubricant, and install the other black 1" plastic grommet.



10. Reinstall tailgate and feed the camera power wire through the hole in the back of the bed.

Section 3 - Camera Wire Harness Installation

You must determine the appropriate reverse power source for your specific model of truck. The camera power wire should be wired to a source that is only on when in reverse. There are three options for installing this kit - follow the instructions for your application.

Option 1 Internal Power (power source inside the cab):

Tap into a power source inside the cab. This option is the most weather resistant since all the connections are made inside the cab but it may be difficult finding a power source inside the cab if your truck is not listed in the following table. If your aftermarket in-dash receiver allows for the camera to be turned on any time, you should have a camera power wire coming from the receiver harness. If so, you should follow the instructions for this option (Option 1).

Power sources for F-Series trucks

See diagrams at the end of this document for details. *NOTE: you may also be able to tap into power on the factory rear view mirror connector, depending on the model. Refer to the wiring diagrams in this document to determine if your rear view mirror connector has the necessary power wires already installed.*

			Connector	Pin	Location	Color	CS-Harness
2008	Super Duty	Ignition	C264	10	Right kick	Red/Yellow	
	Super Duty	Reverse	C264	12	Right kick	Black/Pink	1
2009-Early 2012	Super Duty	Ignition	C264	2	Right kick	Blue	
	Super Duty	Reverse	C264	10	Right kick	Green/Blue	1
2004	F-150	Ignition	C270J	2	Right kick	W/Lt.Blue Pink	
	F-150	Reverse	C270E	20	Right kick	Black/pink Green	1
2005-2008	F-150	Ignition	C270J	2	Right kick	W/L. Blue Pink	
	F-150	Reverse	C270B	12	Right kick	Green/ yellow green	1
2009-Early 2012	F-150	Ignition	C2280D	16	Right kick	Blue or blue/ red pink	

	F-150	Reverse	C215	6	Right kick	Blue Green	1
Late 2012-2014	F-150/Super Duty	Ignition	C2280B	25	Right kick	Violet/Green OR Yellow/Orange if diesel	
Late 2012-2014	F-150/Super Duty	Reverse	C2280D	13	Right kick	Blue/White	1

Camera Source (CS) Harness connections as annotated above:

1 = Backup camera power wire (red wire in loomed camera harness)

Option 2 External Power (power source at rear of vehicle):

Your truck model may not be listed in the included tables or you might want an alternate installation method. It may be easier to locate a reverse activated power source at the rear of the vehicle. In this situation you should use the wire coming from the center pin of the trailer harness plug near the rear bumper for powering your camera. Use an included tap splice or solder the connection to your factory harness and use shrink tube to ensure a weather tight connection (best).

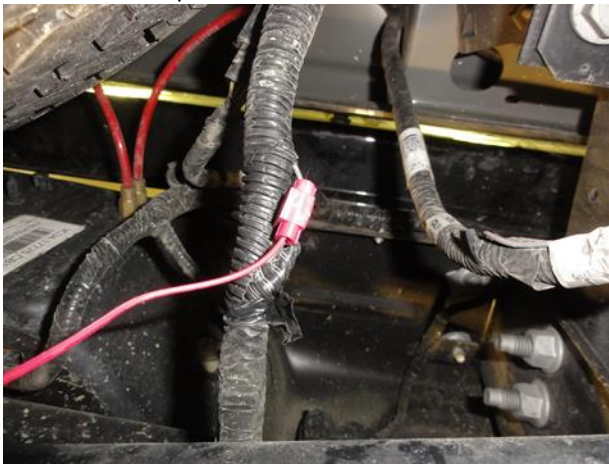
Option 3 Lockpick:

Install this camera to a LockPick and your factory navigation screen. The Lockpick provides additional features besides camera plug and play into the factory wiring harness. Follow the installation guidelines for your Lockpick (sold separately).

Continue to detailed instructions and BE SURE TO FOLLOW THE APPROPRIATE INSTRUCTIONS FOR YOUR DESIRED OPTION ABOVE.

Detailed Harness Instructions

1. Unroll the included chassis harness and plug the single end into the camera power connector at the rear of vehicle. Be careful when making the connection as it can only go together one way so don't force it! This connector is water resistant but if you plan to submerge the back end of your truck in a lake while launching a boat or live in New Orleans it is recommended that you seal it with butyl or waterproof harness tape (not included).
2. Quick power pigtail - Follow the instructions for your desired option:
(If Option 1 & 3) Cut off, seal, and push the quick pigtail power wire into the harness split loom since we will not be using this wire for this type of installation. (This is the red wire that is coming from the loom near the rear of the harness).
(If Option 2) Locate the red quick pigtail power wire coming from the included harness near the camera connection point. This wire should be connected to a suitable power source at the rear of the truck such as the center wire from the trailer harness or a reverse light. Use an included tap splice or solder the wire to your factory harness and use shrink tube for a weather tight seal. Be sure to wrap this connection to seal it from moisture.



(Option 2 cont...) If you are installing this camera to an aftermarket navigation in-dash receiver you should tape off the red wire on the opposing end of the harness since you will not need this wire. This wire will only be used when installing a rear view mirror or other monitor that relies on a reverse triggered power source. **EXCEPTION: if your aftermarket nav unit allows for the camera to be turned on at any time you should cut the quick pigtail off and wire the positive connection to your camera power output on your receiver.**

3. Run the rest of the harness under the vehicle to the engine compartment on the driver's side. Use the included 8" zip ties to secure the harness under the vehicle making sure that it is clear of any moving parts.
4. We will be penetrating the cab through a rubber grommet in the firewall. Locate the grommet and use a fish tool to assist in pulling the harness through the grommet. Cut back the necessary amount of loom to reach your desired power source (if applicable) since it may not be possible to pull the split loom through the rubber grommet.



5. **(Option 1 only)** Run the wires under the dash over to the passenger side to tap into the appropriate power wires for your model according to the chart above. Use the included tap splices to make the connection or solder the leads and use shrink tube to ensure a tight seal.
6. **(Option 1 & 2 only)** Run the video wire to your monitor and plug the cable into the video input on your monitor.
(Option 3 only) Run the wires to your LockPick and connect the red wire to the camera power source on your Lockpick. Connect the video cable to the backup camera video input and connect the ground to the ground connection on the Lockpick.
7. **(Option 1 & 2 only)** Ground the negative wire to a suitable point inside the cab using one of the included U-terminals.
8. Test the camera and verify orientation. Turn on the ignition and put the truck in reverse to ensure the camera image is displayed. If not, check all of your connections using a voltage meter to ensure 12 volts at the connection. Check the end of this document for troubleshooting tips. Ensure that the image is not tilted. If so, remove the camera base plate from the tailgate by removing the two 3/8" bolts and turn the camera slightly to get the appropriate orientation.
9. Reinstall all panels and install the Ford oval on the tailgate baseplate.

Connector:
C270J

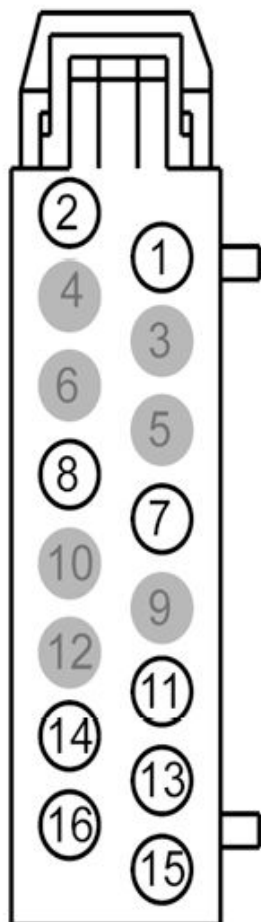
Description
CENTRAL
JUNCTION BOX
(CJB)

Color
BK

Harness
14A005

Base Part #
14A067

Service Pigtail

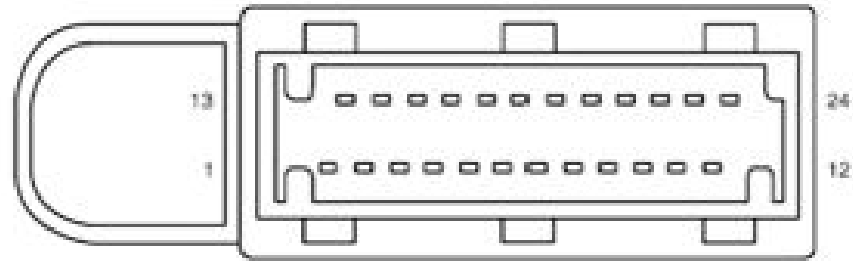


Pin	Circuit	Gauge	Circuit Function	Qualifier
1	59 (DG-VT)	20	Rear window defrost relay output	
2	294 (WH-LB)	20	Voltage supplied in Start and Run (overload protected)	
3	*	*	Not Used	
4	*	*	Not Used	
5	*	*	Not Used	
6	*	*	Not Used	
7	956 (OG-LG)	20	Voltage supplied at all times overload protected	
8	9 (LG-OG)	16	Left rear stop-turn lamps signal feed	
9	*	*	Not Used	
10	*	*	Not Used	
11	720 (RD-YE)	20	Voltage supplied at all times overload protected	
12	*	*	Not Used	
13	937 (RD-WH)	20	Voltage supplied in Start and Run (overload protected)	
14	5 (OG-LB)	16	Right rear stop-turn lamps signal feed	
15	705 (LG-OG)	18	Battery saver relay output	
16	64 (DG)	16	Right rear stop-turn lamps signal feed	

C270e (8K)

14401

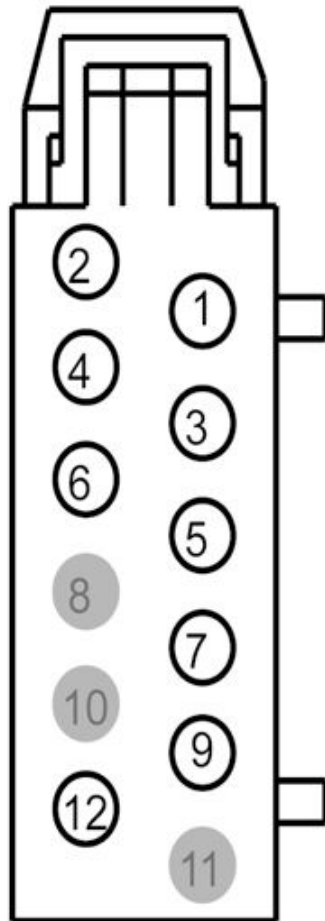
Central Junction
Box (CJB)
(14A067)



FEMALE

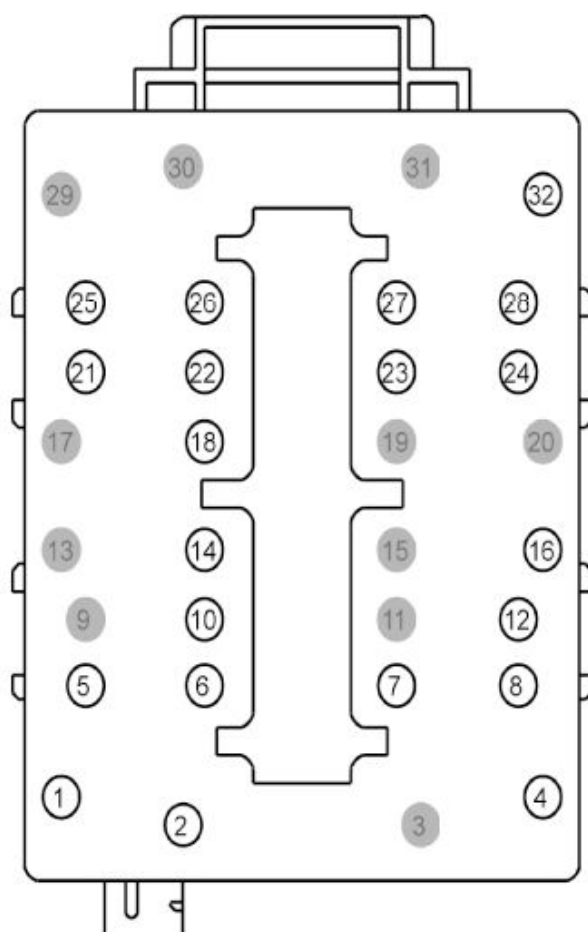
Pin	Circuit	Circuit function
1	1039 (BK/YE)	Voltage supplied in Start and Run (overload protected)
2	14 (BN)	Hot in Park or Head
3	. . .	not used
4	. . .	not used
5	. . .	not used
6	. . .	not used
7	. . .	not used
8	. . .	not used
9	461 (OG)	Front blower motor relay control
10	1005 (VT/OG)	Battery saver relay control
11	. . .	not used
12	1 (DB)	Horn relay control
13	54 (LG/YE)	Accessory delay relay switched power
14	1003 (GY/YE)	Voltage supplied in Start and Run (overload protected)
15	9 (LG/OG)	Left rear stop/turn lamps signal feed
16	729 (RD/WH)	Voltage supplied at all times (overload protected)
17	1266 (RD/YE)	Voltage supplied in Start and Run (overload protected)
18	5 (OG/LB)	Right rear stop/turn lamps signal feed
19	. . .	not used
20	140 (BK/PK)	Trailer tow relay, reversing lamp switched power
21	1332 (LB)	Accessory delay relay control
22	1009 (OG/YE)	Rear window defrost relay control
23	296 (WH/VT)	Voltage supplied in Start and Run (overload protected)
24	1000 (RD/BK)	Voltage supplied in Start (overload protected)

Connector:	Description	Color	Harness	Base Part #	Service Pigtail
C270B	CENTRAL JUNCTION BOX (CJB)	BK	12A581	14A067	XF2T-14A464-KA



Pin	Circuit	Gauge	Circuit Function	Qualifier
1	295 (LB-PK)	18	Voltage supplied in Start and Run (overload protected)	
2	1856 (GY-DG)	20	Voltage supplied in Start and Run (overload protected)	Late production
3	533 (TN-RD)	18	Voltage supplied in Start and Run (overload protected)	
4	1683 (DG)	20	Voltage supplied at all times (overload protected)	
5	160 (DB-WH)	18	Headlamps low beam switched power	
6	65 (DG)	20	Voltage in Run or Accessory (overload protected)	
7	883 (PK-LB)	16	Voltage supplied at all times (overload protected)	
8	*	*	Not Used	
9	161 (DG-OG)	18	Headlamps low beam switched power	
10	*	*	Not Used	
11	*	*	Not Used	
12	1043 (DG-YE)	20	Trailer tow relay, reversing lamp control	

Connector:	Description	Color	Harness	Base Part #	Service Pigtail
C2280D	SMART JUNCTION BOX (SJB)	BK	14A005	14B207	



Pin	Circuit	Gauge	Circuit Function	Qualification
1	SBP01 (RD)	16	FUSE - 1 OR CIRCUIT BREAKER	
2	SBP18 (YE-RD)	16	FUSE - 18 OR CIRCUIT BREAKER	
3	*	*	Not Used	
4	SBP38 (BN-RD)	16	FUSE - 38 OR CIRCUIT BREAKER	
5	CBP32 (GN-VT)	20	FUSE - 32 OR CIRCUIT BREAKER	
6	CPL11 (GY-BN)	16	CTRL. MOD. - DOOR LOCK # ALL LOCK	
7	GD139 (BK-YE)	16	GRCUND - PILLAR A RIGHT # 2ND STUD	
8	GD139 (BK-YE)	20	GRCUND - PILLAR A RIGHT # 2ND STUD	
9	*	*	Not Used	
10	SBP13 (GY-RD)	20	FUSE - 13 OR CIRCUIT BREAKER	
11	*	*	Not Used	
12	GD139 (BK-YE)	20	GRCUND - PILLAR A RIGHT # 2ND STUD	
13	*	*	Not Used	
14	CBP46 (WH-BU)	20	FUSE - 46 OR CIRCUIT BREAKER	
15	*	*	Not Used	
16	CBP41 (BU)	18	FUSE - 41 OR CIRCUIT BREAKER	
17	*	*	Not Used	
18	SBP12 (GN-RD)	18	FUSE - 12 OR CIRCUIT BREAKER	All others
18	SBP12 (GN-RD)	20	FUSE - 12 OR CIRCUIT BREAKER	If equipped
19	*	*	Not Used	
20	*	*	Not Used	
21	CLN09 (YE-GN)	18	RELAY - BATTERY SAVER (E.G. SWITCH OFF INTERIOR LIGHTING)	
22	CBP43 (GY)	20	FUSE - 43 OR CIRCUIT BREAKER	
23	CBP35 (YE-BU)	20	FUSE - 35 OR CIRCUIT BREAKER	
24	GD139 (BK-YE)	20	GRCUND - PILLAR A RIGHT # 2ND STUD	
25	CLS18 (GY-BN)	16	CTRL. MOD. - STOP/TURN LEFT	
26	CLS19 (VT-OG)	16	CTRL. MOD. - STOP/TURN RIGHT	
27	CPL52 (VT-GY)	16	CTRL. MOD. - DOOR LOCK # PASSENGER DOORS UNLOCK (ALL EXCLUDING DRIVER)	
28	CPL51 (BU-GN)	18	CTRL. MOD. - DOOR LOCK # DRIVER UNLOCK	
29	*	*	Not Used	
30	*	*	Not Used	
31	*	*	Not Used	
32	CBP47 (GN-BU)	12	FUSE - 47 OR CIRCUIT BREAKER	

Inline C215

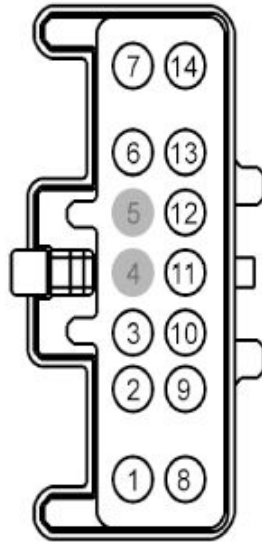
Description
Inline

Color
GY

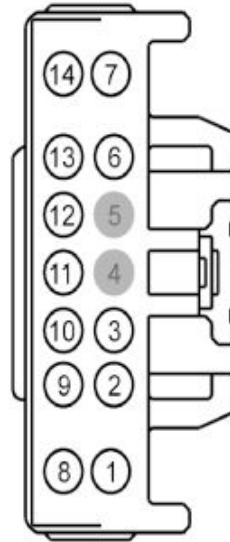
Base Part #

Service Pigtail

MALE
Harness 14A005

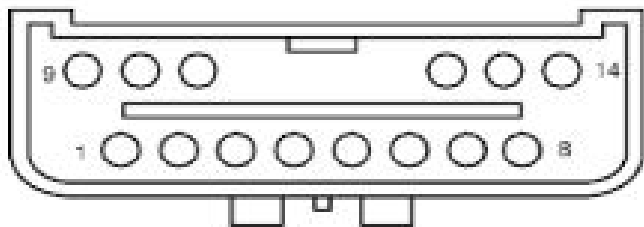


FEMALE
Harness 12A581



Pin	Circuit	Gauge	Qualifier
1	SBB11 (BU-RD)	12	
2	CLS19 (VT-OG)	16	
3	3BB72 (VT-RD)	10	
4	*	*	
5	*	*	
6	CET47 (BU)	20	
7	SBB14 (BN-RD)	14	
8	SBB69 (GY-RD)	12	14A005
8	SBB69 (GY-RD)	14	12A581
9	CMC25 (WH-VT)	20	12A581
9	CMC25 (WH-VT)	22	14A005
10	VCA23 (BU-WH)	20	
11	VCA24 (GN-OG)	20	
12	CLS25 (YE-VT)	18	14A005
12	CLS25 (YE-VT)	18	12A581 - Early production
12	CLS25 (YE-VT)	20	12A581 - Late production
13	CLS18 (GY-BN)	16	
14	CRD06 (BN-YE)	12	

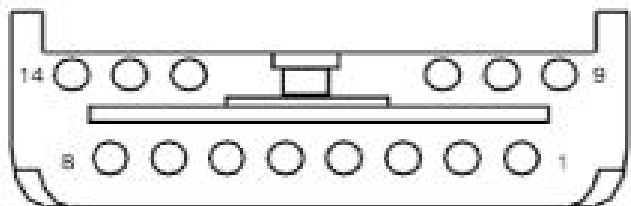
14401



MALE

(1)	–	(8)	**53 (BK/LB)
(2)	***676 (PK/OG)	(9)	**19 (LB/RD)
(3)	–	(10)	***640 (RD/YE)
(4)	*14 (BN)	(11)	54 (LG/YE)
(5)	57 (BK)	(12)	***140 (BK/PK)
(6)	–	(13)	***703 (WH/OG)
(7)	**400 (LB/BK)	(14)	***702 (WH/BK)

17C712/15A404



FEMALE

(1)	–	(8)	**53 (BK/LB)
(2)	***678 (PK/OG)	(9)	**19 (LB/RD)
(3)	–	(10)	***640 (RD/YE)
(4)	*14 (BN)	(11)	54 (LG/YE)
(5)	57 (BK)	(12)	***140 (BK/PK)
(6)	–	(13)	***703 (WH/OG)
(7)	**400 (LB/BK)	(14)	***702 (WH/BK)

**Inline
C264**

**2009-2010
Super Duty**

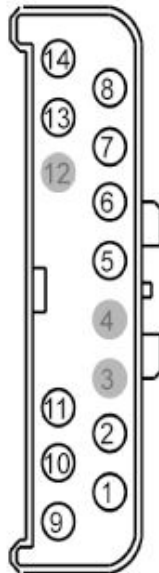
Description
Inline

Color
BK

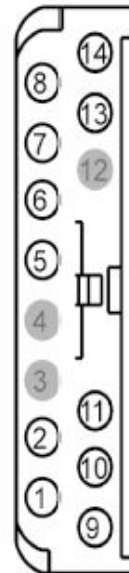
Base Part #

Service Pigtail

MALE
Harness 14A005



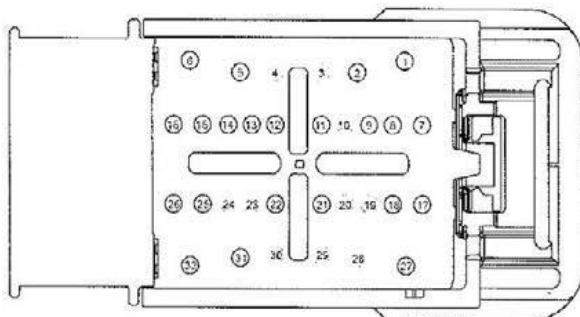
FEMALE
Harness 17K745



Pin	Circuit	Gauge	Qualifier
1	DMP19 (BK)	20	With Video Camera
2	CBP41 (BU)	20	
3	*	*	
4	*	*	
5	VMC30 (BU-GY)	20	
6	VMC31 (GY-BU)	20	
7	VMP19 (WH-GN)	20	With Video Camera
8	RMP19 (BN-VT)	20	With Video Camera
9	RMM13 (BU)	20	MIC
10	CLS10 (GN-BN)	18	MIC
11	VMM13 (YE-GN)	20	
12	*	*	
13	DMM13 (BK)	18	
14	GD133 (BK)	20	

2012-2013 F-150/Super Duty BCM connector C2280D (right kick panel) – use pin 13 for Gentex violet wire (reverse pwr).

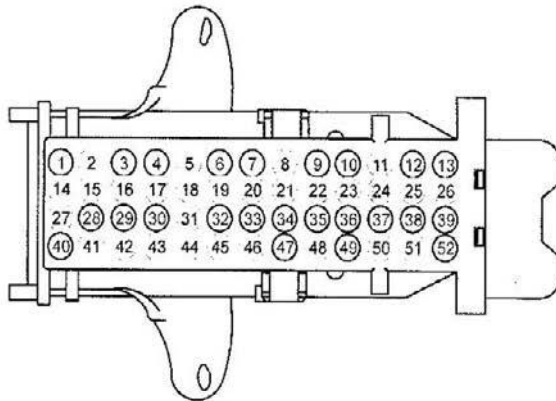
Connector:	Description	Color	Harness	Base Part #	Service Pigtail
C2280D	BODY CONTROL MODULE (BCM)	BK	14A005	14B207	Not Available



Pin	Circuit	Gauge	Circuit Function	Qualifier
1	SBP03 (BU-RD)	14	FUSE - 3 OR CIRCUIT BREAKER	
2	SBP05 (GY-RD)	16	FUSE - 5 OR CIRCUIT BREAKER	w/memory
3	*	*	Not Used	
4	*	*	Not Used	
5	SBP02 (YE-RD)	18	FUSE - 2 OR CIRCUIT BREAKER	
6	SBP01 (RD)	14	FUSE - 1 OR CIRCUIT BREAKER	
7	CBP33 (WH-BN)	20	FUSE - 33 OR CIRCUIT BREAKER	heated seats
7	CBP33 (WH-BN)	22	FUSE - 33 OR CIRCUIT BREAKER	rear heated seats
8	CBP34 (VT-BN)	22	FUSE - 34 OR CIRCUIT BREAKER	
9	SBP21 (GY-RD)	18	FUSE - 21 OR CIRCUIT BREAKER	ambient lighting
10	*	*	Not Used	
11	SBP07 (WH-RD)	22	FUSE - 7 OR CIRCUIT BREAKER	offline
11	SBP07 (WH-RD)	20	FUSE - 7 OR CIRCUIT BREAKER	online
12	CLS18 (GY-BN)	20	CTRL MOD. - STOP/TURN LEFT (INBOARD)	
13	CLS28 (BU-WH)	18	CTRL MOD. - RELAY REVERSE LAMP CONTROL (RLC)	
14	CLS52 (BN)	20	CTRL MOD. - STOP/TURN RIGHT MIDDLE	
15	CLS19 (VT-OG)	18	CTRL MOD. - STOP/TURN RIGHT (INBOARD)	
16	GD139 (BK-YE)	16	GROUND - COWL SIDE/PILLAR A RIGHT # 2ND POINT (8L2T)	
17	CBP32 (GN-VT)	18	FUSE - 32 OR CIRCUIT BREAKER	
18	CBP40 (YE-GN)	18	FUSE - 40 OR CIRCUIT BREAKER	
19	*	*	Not Used	
20	*	*	Not Used	
21	CPL51 (BU-GN)	18	CTRL MOD. - DOOR LOCK # DRIVER UNLOCK	
22	CLN09 (YE-GN)	22	RELAY - BATTERY SAVER (E.G. SWITCH OFF INTERIOR LIGHTING)	
23	*	*	Not Used	
24	*	*	Not Used	
25	GD139 (BK-YE)	20	GROUND - COWL SIDE/PILLAR A RIGHT # 2ND POINT (8L2T)	
26	CPL11 (GY-BN)	16	CTRL MOD. - DOOR LOCK # ALL LOCK	
27	CBP01 (BU)	12	FUSE - 48 OR CIRCUIT BREAKER	
28	*	*	Not Used	
29	*	*	Not Used	
30	*	*	Not Used	
31	CPL52 (VT-GY)	18	CTRL MOD. - DOOR LOCK # PASSENGER DOORS UNLOCK (ALL EXCLUDING DRIVER)	Super Crew
31	CPL52 (VT-GY)	16	CTRL MOD. - DOOR LOCK # PASSENGER DOORS UNLOCK (ALL EXCLUDING DRIVER)	
32	SBP19 (BU-RD)	14	FUSE - 19 OR CIRCUIT BREAKER	SONY sound

2012-2013 F-150/Super Duty BCM connector C2280B (right kick panel) – Use pin 35 for Gentex red wire (accy pwr):

Connector:	Description	Color	Harness	Base Part #	Service Pigtail
C2280B	BODY CONTROL MODULE (BCM)	BK	14401	15604	Not Available



				Pin	Circuit	Gauge	Circuit Function	Qualifier
				1	SBP09 (RD)	20	FUSE - 9 OR CIRCUIT BREAKER	
				2	*	*	Not Used	
				3	CBP41 (BU)	22	FUSE - 41 OR CIRCUIT BREAKER	
				4	CBP31 (BU-OG)	22	FUSE - 31 OR CIRCUIT BREAKER	
				5	*	*	Not Used	
				6	CBP44 (VT)	22	FUSE - 44 OR CIRCUIT BREAKER	
				7	CBP35 (YE-GY)	22	FUSE - 35 OR CIRCUIT BREAKER	
				8	*	*	Not Used	
				9	CBP36 (BU-BN)	20	FUSE - 36 OR CIRCUIT BREAKER	
				10	CBP37 (WH)	22	FUSE - 37 OR CIRCUIT BREAKER	
				11	*	*	Not Used	
				12	SBP26 (YE-RD)	22	FUSE - 26 OR CIRCUIT BREAKER	
				13	CBP38 (GY-BU)	22	FUSE - 38 OR CIRCUIT BREAKER	with single CD / base audio
				14	*	*	Not Used	
				15	*	*	Not Used	
				16	*	*	Not Used	
				17	*	*	Not Used	
				18	*	*	Not Used	
				19	*	*	Not Used	
				20	*	*	Not Used	
				21	*	*	Not Used	
				22	*	*	Not Used	
				23	*	*	Not Used	
				24	*	*	Not Used	
				25	*	*	Not Used	
				26	*	*	Not Used	
				27	*	*	Not Used	
				28	CCB08 (VT-WH)	22	SWITCH - BRAKE PEDAL POSITION (BPP) NORMAL OPEN	
				29	CDC62 (WH-VT)	22	CTRL MOD. - IGNITION ACCESSORY SHUTDOWN # B+	diesel
				29	CDC34 (WH-OG)	18	SWITCH - IGNITION # RUN; START	gasoline
				30	VLF14 (BU-BN)	22	SENSOR - AUTOLAMP DAY/NIGHT	manual a/c
				30	VLF14 (BU-BN)	20	SENSOR - AUTOLAMP DAY/NIGHT	automatic a/c
				31	*	*	Not Used	
				32	CLS32 (BN-YE)	22	SWITCH - HAZARD	
				33	CRH04 (VT-GN)	22	CTRL MOD. - RELAY HORN	
				34	CDC30 (BU-GY)	22	SWITCH - IGNITION # KEY IN	
				35	CDC63 (YE-OG)	22	CTRL MOD. - IGNITION ACCESSORY SHUTDOWN # RUN	diesel
				35	CDC33 (VT-GN)	22	SWITCH - IGNITION # RUN; ACCESSORY	gasoline
36	VRT24 (YE-OG)	22	TRANSCIVER - PASSIVE ANTI THEFT (IMMOBILIZER) # TX CNTRL					
37	VRT23 (VT-GY)	22	TRANSCIVER - PASSIVE ANTI THEFT (IMMOBILIZER) # RX DATA (RX_IN)					
38	VDB06 (GY-OG)	22	CONNECTOR - DIAGNOSTIC # CAN BUS MEDIUM SPEED HIGH					
39	VDB07 (VT-OG)	22	CONNECTOR - DIAGNOSTIC # CAN BUS MEDIUM SPEED LOW					
40	VLN04 (VT-GY)	22	CTRL MOD. - IP/SWITCH ILLUMINATION					
41	*	*	Not Used					
42	*	*	Not Used					
43	*	*	Not Used					
44	*	*	Not Used					
44	*	*	Not Used					
45	*	*	Not Used					
46	*	*	Not Used					
47	CDC35 (BU-WH)	22	SWITCH - IGNITION # START					
48	*	*	Not Used					
49	CET53 (BU-OG)	22	CTRL MOD. - POWERTRAIN # BRAKE SHIFT INTERLOCK					
50	*	*	Not Used					
51	*	*	Not Used					
52	VDN01 (BU-WH)	22	CTRL MOD. - LIN BUS # SPDJB 1					

Support

Camera-Source will provide you with excellent support of your new camera. We just ask that try a few things before contacting us:

1. Do you have power at the camera when the truck is in reverse? If not, check that there is power at your reverse power wire source. To test use a voltage meter and test the voltage at the pins inside the black camera connector at each pin. This camera requires at least 10.5 volts in order to operate correctly. Often times the battery will be drained after installation since the doors may have been open draining the battery. If you don't initially get an image, start the vehicle to ensure proper voltage is supplied to the camera.
2. Do you have a good ground?
3. Video cables connected and secure (if applicable)?

If you can rule these out, contact us at support@camera-source.com or 414-331-5030. We will contact you ASAP to help you resolve your issue