



2017-2022 Honda CR-V LX Factory Navigation Radio Upgrade Wiring / Connector Diagrams

2017 Honda Truck CR-V 4WD L4-1.5L Turbo (L15BE)

Vehicle > Accessories and Optional Equipment > Entertainment Systems > Diagrams > Connector Views

AUDIO-NAVIGATION UNIT CONNECTOR FOR INPUTS AND OUTPUTS

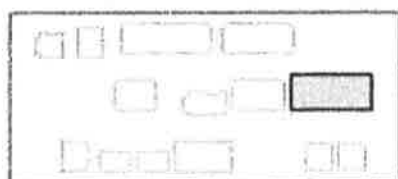
Audio-Navigation Unit Connector for Inputs and Outputs

Audio-Navigation Unit Connector for Inputs and Outputs

Connector Index
Audio-Navigation Unit Connector A (24P)
Audio-Navigation Unit Connector B (24P)
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Audio-Navigation Unit Connector M (4P) (with Stereo Amplifier)
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Main harness
Pinout
guide

Audio-Navigation Unit Connector A (24P) (female terminals)



2	14	13	12	11	10	9	8	7	6	5	1
-	PNK	-	LT BLU	-	-	-	BRN	YEL	WHT	BLU	BLK
4	24	23	22	21	20	19	18	17	16	15	3
-	BLU	LT BLU	BLU	GRN	-	-	BLU	RED	BLU	PNK	BRN



*1: YEL (With rearview camera diode), RED (Without rearview camera diode)

Cavity	Terminal Name	Description
A1	GND	Audio-navigation unit ground
A2	-----	Not used
A3	+ B AUDIO	+ B power source
A4	-----	Not used
A5* 1	RL SPKR +	Outputs sound signal for left rear speakers
A6* 1	RL SPKR -	Outputs sound signal for left rear speakers
A7* 1	RR SPKR +	Outputs sound signal for right rear speakers
A8* 1	RR SPKR -	Outputs sound signal for right rear speakers
A9	-----	Not used
A10	-----	Not used
A11	-----	Not used
A12	K LINE	Communication signal
A13	-----	Not used
A14	B-CAN_H	Communication signal

*1: Without stereo amplifier

*2: With rearview camera diode

*3: Without rearview camera diode

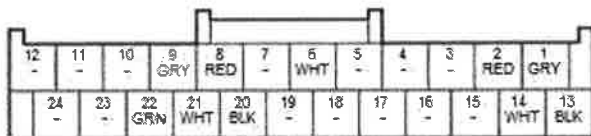
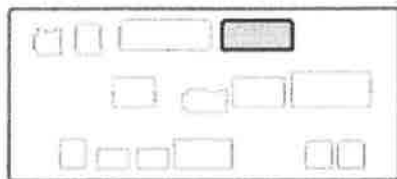
Cavity	Terminal Name	Description
A15* 1	FL SPKR +	Outputs sound signal for left front speakers
A16* 1	FL SPKR -	Outputs sound signal for left front speakers
A17* 1	FR SPKR +	Outputs sound signal for right front speakers
A18* 1	FR SPKR -	Outputs sound signal for right front speakers
A19	-----	Not used
A20	-----	Not used
A21	SWD + B	Outputs signal for related unit switching on/off
A22	VSP	Inputs vehicle speed pulse
A23	IG1 WITH DIODE FMVSS* 2 ACC* 3	ACCESSORY power source
A24	B-CAN_L	Communication signal

*1: Without stereo amplifier

*2: With rearview camera diode

*3: Without rearview camera diode

Audio-Navigation Unit Connector B (24P) (female terminals)



Cavity	Terminal Name	Description
B1* ¹	AUX NAVI SH	Shield for terminals No. 2, No. 13, and No. 14
B2* ¹	AUX BEEP	Outputs system beep signal
B3	----	Not used
B4	----	Not used
B5	----	Not used
B6* ²	LWC SW	Detects LaneWatch switch signal
B7	----	Not used
B8* ²	LWC CAM VCC	Power source for LaneWatch camera
B9* ²	SH LWC CAM	Shield for terminals No. 8, No. 20, No. 21, and No. 22
B10	----	Not used
B11	----	Not used
B12	----	Not used
B13* ¹	AUX NAVI	Outputs sound signal for voice guidance and Voice Recognition (VR) prompts
B14* ¹	AUX NAVI GND	Basis ground for terminals No. 2 and No. 13
B15	----	Not used

*1: With stereo amplifier

*2: With LaneWatch

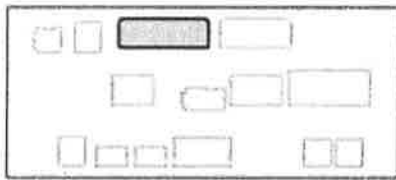
Cavity	Terminal Name	Description
B16	----	Not used
B17	----	Not used
B18	----	Not used

Cavity	Terminal Name	Description
B19	-----	Not used
B20* 2	LWC CAM VID	Inputs video signal from LaneWatch camera
B21* 2	LWC CAM VGND	Ground for LaneWatch camera
B22* 2	LWC UART	Communication signal
B23	-----	Not used
B24	-----	Not used

*1: With stereo amplifier

*2: With LaneWatch

Audio-Navigation Unit Connector C (32P) (female terminals)



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
BRN	WHT	RED	BLK	-	-	BRN	-	-	WHT	GRY	GRN	-	-	RED	BLK
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
BLU	GRN	WHT	GRN	GRY	-	-	-	-	PNK	BLU	-	BLU	PNK	WHT	GRN



Cavity	Terminal Name	Description
C1*	ANC R +	Inputs noise cancelling signal from ANC/active sound control unit
C2*	ANC R -	Inputs noise cancelling signal from ANC/active sound control unit
C3	-----	Not used
C4	-----	Not used
C5	HFT MUTE	Outputs HFL microphone directivity switching signal
C6	SH MIC	Shield for terminals No. 22 and No. 23
C7	MIC PWR	Power source for HFL microphone
C8	-----	Not used
C9	-----	Not used
C10	IG1 METER	IG1 power source

Cavity	Terminal Name	Description
C11	-----	Not used
C12	-----	Not used
C13	CAMERA VCC	Power source for rearview camera
C14	CAMERA GND	Ground for rearview camera
C15	BACK LT	Detects reverse signal
C16	CAMERA ADPT	Detects connection for rearview camera
C17*	ANC F +	Inputs noise cancelling signal from ANC/active sound control unit
C18*	ANC F -	Inputs noise cancelling signal from ANC/active sound control unit
C19*	AUD F MIX	Inputs noise cancelling mixing signal from ANC/active sound control unit
C20*	AUD F MIX GND	Basis ground for terminals No. 19

*: Without stereo amplifier

Cavity	Terminal Name	Description
C21	-----	Not used
C22	MIC +	Inputs sound signal from HFL microphone
C23	MIC GND	Ground for HFL microphone
C24	-----	Not used
C25	-----	Not used
C26	-----	Not used
C27	-----	Not used
C28	SH CAMERA	Shield for terminals No. 13, No. 14, No. 29, and No. 30
C29	CAMERA V	Inputs NTSC video signal from rearview camera
C30	CAMERA V GND	Ground for NTSC video signal from rearview camera
C31	CAMERA BIT0	Outputs mode select signal for rearview camera
C32	CAMERA BIT1	Outputs mode select signal for rearview camera

*: Without stereo amplifier

Audio-Navigation Unit Connector E (16P) (female terminals)

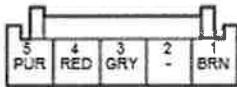
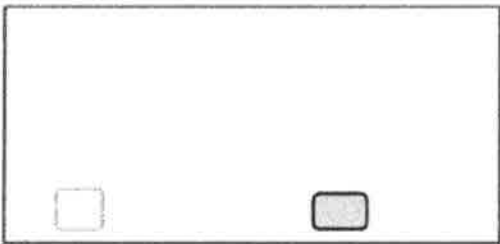
CENTER DISPLAY UNIT CONNECTOR FOR INPUTS AND OUTPUTS

Center Display Unit Connector for Inputs and Outputs

Center Display Unit Connector for Inputs and Outputs

Connector Index
Center Display Unit Connector A (5P)
Center Display Unit Connector B (3P)

Center Display Unit Connector A (5P) (female terminals)



Cavity	Terminal Name	Description
A1	+ B AUDIO	+ B power source
A2	---	Not used
A3	ILLUMI +	Detects illumination on signal
A4	DISP CONT	Inputs signal for center display unit switching ON/OFF
A5	GND	Ground for center display unit

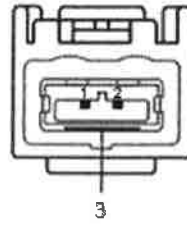
Brown wire - Run to main unit
power feed

Grey wire from Econ switch

Red wire from E4 disp con

Connect to main ground

Center Display Unit Connector B (3P) (female terminals)



Cavity	Terminal Name	Description
B1	LVDS1 +	Communication signal
Cavity	Terminal Name	Description
B2	LVDS1 -	Communication signal
B3	LVDS1 SH	Shield for terminals No. 1 and No. 2

2017 Honda Truck CR-V 4WD L4-1.5L Turbo (L15BE)
Vehicle > Accessories and Optional Equipment > Radio, Stereo, and Compact Disc > Radio/Stereo >
Radio Tuner > Diagrams > Connector Views

TUNER UNIT CONNECTOR FOR INPUTS AND OUTPUTS

Tuner Unit Connector for Inputs and Outputs

Tuner Unit Connector for Inputs and Outputs

Connector Index
Tuner Unit Connector A (10P)
Tuner Unit Connector B (2P)
Tuner Unit Connector C (5P)
Tuner Unit Connector D (2P) (Not used)

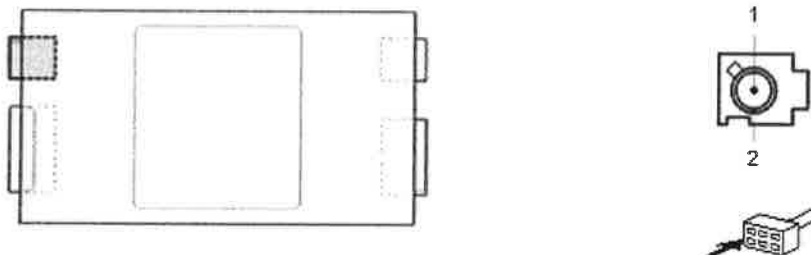
Tuner Unit Connector A (10P) (female terminals)



Cavity	Terminal Name	Description
A1	TUNER 9V	Power source for tuner unit <i>Yellow</i>
A2	TUNER GND	Tuner unit ground <i>Black</i>
A3	----	Not used
A4	----	Not used
A5	TUNER RS485 +	Communication signal <i>Pink Blue</i>
A6	TUNER RS485 SH	Shield for terminals No. 5 and No. 7
A7	TUNER RS485 -	Communication signal <i>Pink</i>

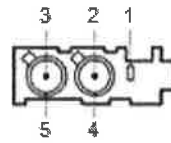
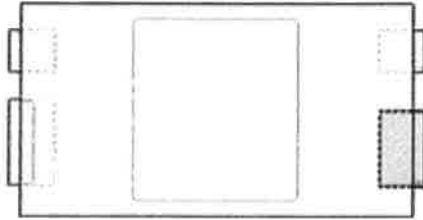
Cavity	Terminal Name	Description
A8	----	Not used
A9	----	Not used
A10	TUNER 6V	Power source for tuner unit <i>Red</i>

Tuner Unit Connector B (2P) (female terminals)



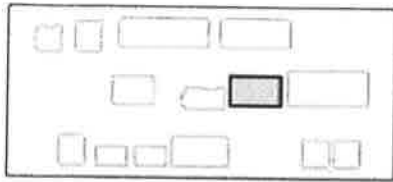
Cavity	Terminal Name	Description
B1	SPDIF1 SIG	Communication signal
B2	SPDIF1 SH	Shield for terminal No. 1

Tuner Unit Connector C (5P) (female terminals)



Cavity	Terminal Name	Description
C1	ANT + B	Power source for AM/FM antenna amplifier
C2	RF IN	Inputs AM/FM signal
C3	———	Not used
C4	SH(RF IN)	Shield for terminal No. 2
C5	———	Not used

This is connector you have to add that vehicle is missing.



8	7	6	5	4	3	2	1
PNK	BLU	GRY	YEL	RED	-	YEL	RED
16	15	14	13	12	11	10	9
PNK	BLU	GRY	BLU	-	-	-	BLK



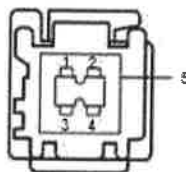
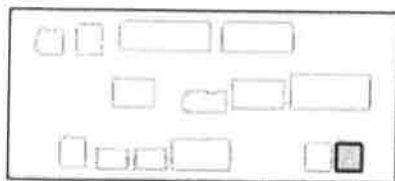
Cavity	Terminal Name	Description
E1	TUNER 6V	Power source for tuner unit Red
E2	TUNER 9V	Power source for tuner unit Yellow
E3	----	Not used
E4	DISP CONT	Outputs signal for center display unit switching on/off
E5	F-CAN B_H	Communication signal NOT USED
E6	AMP RS485 SH	Shield for terminals No. 7 and No. 8 NOT USED
E7	RS485 +	Communication signal NOT USED
E8	RS485 -	Communication signal NOT USED
E9	TUNER GND	Ground for tuner unit
E10	----	Not used
E11	----	Not used
E12	----	Not used
E13	F-CAN B_L	Communication signal NOT USED
E14	TUNER RS485 SH	Shield for terminals No. 15 and No. 16
E15	TUNER RS485 +	Communication signal Blue
E16	TUNER RS485 -	Communication signal Pink

TO tuner harness
TO tuner harness
TO DISPLAY - Red

TO tuner harness

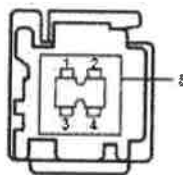
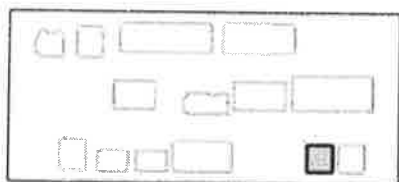
TO TUNER harness
TO TUNER harness
TO TUNER harness

Audio-Navigation Unit Connector F (5P) (female terminals)



Cavity	Terminal Name	Description
F1	USB1 GND	Ground for USB port A
F2	USB1 VBUS	Outputs power source for USB port A
F3	USB1 DATA +	Communication signal
F4	USB1 DATA -	Communication signal
F5	USB1 SH	Shield for terminals No. 1, No. 2, No. 3, and No. 4

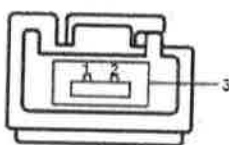
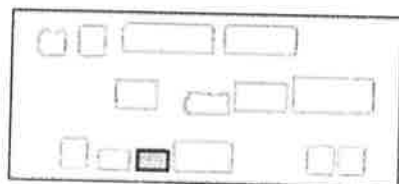
Audio-Navigation Unit Connector G (5P) (female terminals)



Cavity	Terminal Name	Description
G1	USB2 GND	Ground for USB port B

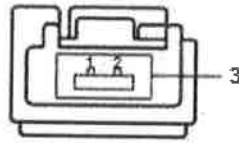
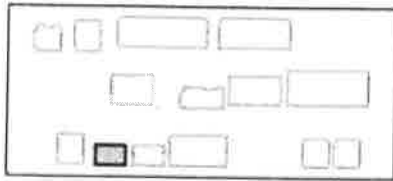
Cavity	Terminal Name	Description
G2	USB2 VBUS	Outputs power source for USB port B
G3	USB2 DATA +	Communication signal
G4	USB2 DATA -	Communication signal
G5	USB2 SH	Shield for terminals No. 1, No. 2, No. 3, and No. 4

Audio-Navigation Unit Connector H (3P) (female terminals)



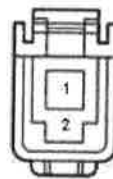
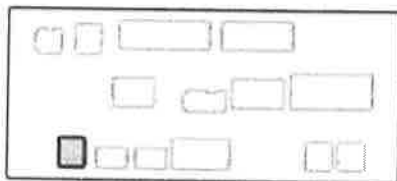
Cavity	Terminal Name	Description
H1	LVDS1 +	Communication signal
H2	LVDS1 -	Communication signal
H3	LVDS1 SH	Shield for terminals No. 1 and No. 2

Audio-Navigation Unit Connector J (3P) (female terminals)



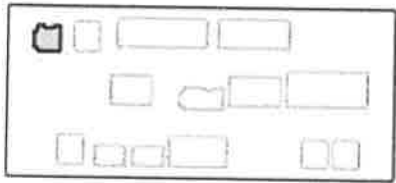
Cavity	Terminal Name	Description
J1	LVDS2 +	Communication signal
J2	LVDS2 -	Communication signal
J3	LVDS2 SH	Shield for terminals No. 1 and No. 2

Audio-Navigation Unit Connector K (2P) (female terminals)



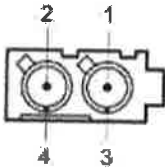
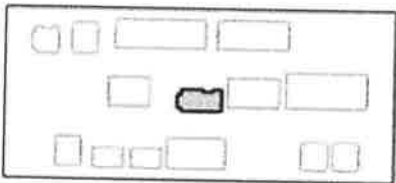
Cavity	Terminal Name	Description
K1	GPS ANT	Inputs GPS signal
K2	GPS SH	Shield for terminal No. 1

Audio-Navigation Unit Connector L (2P) (female terminals)



Cavity	Terminal Name	Description
L1	SPDIF1 SIG	Communication signal for tuner unit
L2	SPDIF1 SH	Shield for terminal No. 1

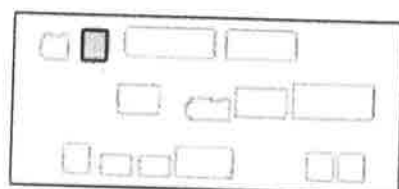
Audio-Navigation Unit Connector M (4P) (female terminals) (with stereo amplifier)



Cavity	Terminal Name	Description
M1	SPDIF2 SIG	Communication signal

Cavity	Terminal Name	Description
M2	----	Not used
M3	SPDIF2 SH	Shield for terminal No. 1
M4	----	Not used

Audio-Navigation Unit Connector N (2P) (female terminals) (with XM)



Cavity	Terminal Name	Description
N1	SAT/TER	Inputs satellite/terrestrial signal
N2	SH (SAT/TER)	Shield for terminal No. 1