

DirectWire

2024 Toyota Corolla Hybrid (Smart Key) - North America - Requested by [ampire.de](#)

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Black (60A)	+	Dash Fuse Box, white 1 pin plug (8M), pin 1
Second 12 Volts	Brown (7.5A)	+	Certification ECU behind glove box, top white 30 pin plug, pin 6
Ground 2	White/Black	-	Certification ECU behind glove box, top white 30 pin plug, pin 29
Starter	Violet	+	Certification ECU behind glove box, bottom white 30 pin plug, pin 2
Ignition	Yellow	+	Certification ECU behind glove box, bottom white 30 pin plug, pin 24
Second Ignition	Red	+	Certification ECU behind glove box, bottom white 30 pin plug, pin 11
Accessory	Lt. Green	+	Dash Fuse Box, rear gray 56 plug (8A), pin 18
Telematics Interrupt	Lt. Blue	Cut	Dash Fuse Box, rear gray 56 plug (8A), pin 49
PTS 1	Violet	-	Certification ECU behind glove box, top white 30 pin plug, pin 19
PTS 2	Gray	-	Certification ECU behind glove box, top white 30 pin plug, pin 27
PTS 3	Pink	-	Certification ECU behind glove box, top white 30 pin plug, pin 23
PTS 4	Violet (PTS 1 alternate)	-	Power Start Stop Switch, black 12 pin plug, pin 12

Item	Wire Color	Polarity	Wire Location
PTS 5	Gray (PTS 2 alternate)	-	Power Start Stop Switch, black 12 pin plug, pin 6
PTS 6	Pink (PTS 3 alternate)	-	Power Start Stop Switch, black 12 pin plug, pin 11
CAN Bus High	Red	Data	Certification ECU behind glove box, top white 30 pin plug, pin 1
CAN Bus Low	White	Data	Certification ECU behind glove box, top white 30 pin plug, pin 2
CAN Bus High 2	Black	Data	Body ECU on dash fuse box, black 30 pin plug, pin 2
CAN Bus Low 2	White	Data	Body ECU on dash fuse box, black 30 pin plug, pin 1
CAN Bus High 3	Red (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 6
CAN Bus Low 3	White (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 14
OBD 12 Volts	Pink (7.5A)	+	OBD-Data Link Connector, white 16 pin plug, pin 16
OBD Ground	White/Black	-	OBD-Data Link Connector, white 16 pin plug, pin 4
IMMO Data	White (IMO)	Data	Hybrid Vehicle Control ECU behind glove box, black 54 pin plug, pin 39
IMMO Data 2	White (IMI)	Data	Hybrid Vehicle Control ECU behind glove box, black 54 pin plug, pin 53
IMMO Antenna	Black - Green	RF	Power Start Stop Switch, black 12 pin plug, pins 1 - 7
IMMO Antenna 2	Black - Green	RF	Certification ECU behind glove box, top white 30 pin plug, pins 12 - 13
Driver LF Antenna	Green	RF	Driver Kick, white 62 pin plug (OI1), pin 9

Item	Wire Color	Polarity	Wire Location
Driver LF Antenna 2	Brown	RF	Certification ECU behind glove box, top white 30 pin plug, pin 16
Passenger LF Antenna	Green	RF	Passenger Kick, white 62 pin plug (OI2), pin 17
Passenger LF Antenna 2	Lt. Green	RF	Certification ECU behind glove box, top white 30 pin plug, pin 10
Rear LF Antenna	Tan	RF	Driver Running Board, harness to under driver seat
Rear LF Antenna 2	Yellow	RF	Certification ECU behind glove box, middle white 27 pin plug, pin 4
Rear Handle Switch	Black	-	Driver Running Board, harness to under driver seat
Rear Handle Switch 2	Gray	-	Certification ECU behind glove box, middle white 27 pin plug, pin 16
Security Light	Red	+	Certification ECU behind glove box, top white 30 pin plug, pin 25
RDA	Red	Data	Certification ECU behind glove box, middle white 27 pin plug, pin 11
Power Lock2	Lt. Green (passenger switch) (if needed)	-	Body ECU on dash fuse box, black 27 pin plug, pin 6
Power Unlock2	Brown (passenger switch) (if needed)	-	Body ECU on dash fuse box, black 27 pin plug, pin 7
Lock Motor	Black	Reverse	Dash Fuse Box, white 43 pin plug (8H), pin 37
Driver Unlock Motor	Red	Reverse	Driver Kick, white 62 pin plug (OI1), pin 11
Passenger Unlock Motor	Red	Reverse	Dash Fuse Box, white 43 pin plug (8H), pin 34
Factory Alarm Arm	Black (key lock)	-	Body ECU on dash fuse box, black 30 pin plug, pin 28

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Factory Alarm Disarm	Violet (key unlock)	Double -	Body ECU on dash fuse box, black 30 pin plug, pin 4
Parking Lights	White	+	Dash Fuse Box, white 43 pin plug (8H), pin 15
Parking Lights -	Green	-	Headlight Switch, white 40 pin plug, pin 3
Hazards	Pink	-	Hazard Switch, black 8 pin plug, pin 6
Turn Signal (Left)	Violet (LF); Yellow (LR)	+	Driver Kick, blue 22 pin plug (AI5), pin 12 (LF); Dash Fuse Box, white 43 pin plug (8H), pin 30 (LR)
Turn Signal (Right)	Blue (RF); Lt. Blue (RR)	+	Driver Kick, blue 22 pin plug (AI5), pin 14 (RF); Dash Fuse Box, white 43 pin plug (8H), pin 41 (RR)
Headlight	Red	-	Headlight Switch, white 40 pin plug, pin 4
Headlight 2	Blue (alternate)	-	Body ECU on dash fuse box, black 30 pin plug, pin 26
AutoLights	Yellow	Cut	Headlight Switch, white 40 pin plug, pin 5
Reverse Light	Lt. Green	+	Dash Fuse Box, white 43 pin plug (8H), pin 13
Reverse Light 2	Red (alternate location)	+	Radio, white 28 pin plug, pin 5
Left Front Door Trigger	Lavender/Brown	-	Dash Fuse Box, white 43 pin plug (8H), pin 23
Right Front Door Trigger	Lavender/Blue	-	Dash Fuse Box, white 43 pin plug (8H), pin 22
Left Rear Door Trigger	Brown	-	Dash Fuse Box, white 43 pin plug (8H), pin 18
Right Rear Door Trigger	Red	-	Dash Fuse Box, white 43 pin plug (8H), pin 27

Item	Wire Color	Polarity	Wire Location
Dome Light	Black	-	Body ECU on dash fuse box, black 30 pin plug, pin 5
Trunk/Hatch Pin	Lt. Blue	-	Dash Fuse Box, white 43 pin plug (8H), pin 5
Hood Pin	Gray	- N.C.	Body ECU on dash fuse box, black 30 pin plug, pin 27
Trunk/Hatch Release	Black (rear handle switch)	-	Driver Running Board, harness to under driver seat
Trunk-Hatch Release2	Gray (alternate location)	-	Certification ECU behind glove box, middle white 27 pin plug, pin 16
Trunk Release Motor	Pink	Reverse	Dash Fuse Box, white 43 pin plug (8H), pin 32
Fuel Door Release	Lt. Blue	-	Fuel Lid Opener Switch, white 6 pin plug, pin 5
Fuel Door Release 2	Pink (alternate location)	-	Driver Kick, gray 63 pin plug (A17), pin 58
Tachometer 2	Black (if needed)	AC	Camshaft Position Sensor, engine top driver side, black 3 pin plug, pin 1
Fuel Pump	Black	+	Behind Dash Fuse Box, blue 12 pin plug (AO2), pin 6
Rear Defroster	Black	+ Latched	Dash Fuse Box, white 43 pin plug (8H), pin 43
Mirror Defroster	Gray	+ Latched	Driver Kick, white 14 pin plug (OI4), pin 7
Wiper Deicer	Gray	+	Wiper Deicer Switch, black 6 pin plug, pin 2
Left Front Heated Seat	Brown	Reverse	Left Front Seat Heater Switch, blue 6 pin plug, pin 4
Right Front Heated Seat	Blue	Reverse	Right Front Seat Heater Switch, blue 6 pin plug, pin 4

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Heated Steering Wheel	Black	+ Latched	Steering Heater Switch, white 6 pin plug, pin 2
Speed Sense	Brown	AC	Radio, white 28 pin plug, pin 8
Speed Sense 2	Brown (alternate location)	AC	Certification ECU behind glove box, bottom white 30 pin plug, pin 13
Brake Wire	Red	+	Brake Switch, black 7 pin plug, pin 3
Brake Wire 2	Black (alternate location)	+	Certification ECU behind glove box, bottom white 30 pin plug, pin 21
Parking Brake	Lt. Blue (EPB)	-	Dash Fuse Box, white 23 pin plug (8F), pin 1
Horn Trigger	Blue	-	Dash Fuse Box, white 23 pin plug (8F), pin 10
Horn Trigger 2	Lavender/Violet (alternate location)	-	Horn Switch-Clock Spring, black 14 pin plug, pin 7
Horn - Factory Alarm	Lt. Green	-	Dash Fuse Box, rear white 32 pin plug (8D), pin 14
Wipers	Green (LO); Red (HI)	-	Headlight Switch, white 40 pin plug, pin 26 (LO); pin 27 (HI)
Wipers Protection	Black (ground)	Cut	Headlight Switch, white 40 pin plug, pin 33
Radio 12V	Lt. Blue	+	Radio, white 28 pin plug, pin 4
Radio Ground	Lavender	-	Radio, white 28 pin plug, pin 1
Radio Ignition	Green	+	Radio, white 28 pin plug, pin 16
Radio Illumination	Pink (parking lights); Red (dimmer)	+,-	Radio, white 28 pin plug, pin 25 (parking lights); pin 24 (dimmer)
Left Front Speaker (+/-)	Lavender/Red - Lavender/Blue or Red - Green	+,-	Radio, black 10 pin plug, pins 2 - 7

Item	Wire Color	Polarity	Wire Location
Right Front Speaker (+/-)	Lavender/Green - Lavender/Pink or Lavender/Red - Lavender/White or Black - White	+, -	Radio, black 10 pin plug, pins 1 - 6
Left Rear Speaker (+/-)	Green - Pink or Black - White	+, -	Radio, black 10 pin plug, pins 3 - 8
Right Rear Speaker (+/-)	Blue - White or Red - Green	+, -	Radio, black 10 pin plug, pins 4 - 9
Left Front Speaker - With Amp	Pink - Violet	+, -	Amplifier under driver seat, white 30 pin plug, pins 13 - 28
Right Front Speaker - With Amp	Green - Black	+, -	Amplifier under driver seat, white 30 pin plug, pins 15 - 30
Left Front Tweeter - With Amp	Brown - Lt. Blue	+, -	Amplifier under driver seat, white 30 pin plug, pins 12 - 27
Right Front Tweeter - With Amp	Lavender/Red - Lavender/White	+, -	Amplifier under driver seat, white 30 pin plug, pins 14 - 29
Left Rear Speaker - With Amp	Violet - Lt. Blue	+, -	Amplifier under driver seat, white 30 pin plug, pins 9 - 24
Right Rear Speaker - With Amp	Green - Black	+, -	Amplifier under driver seat, white 30 pin plug, pins 11 - 26
Subwoofer - With Amp	Red - White (coil 1); Blue - Lt. Green (coil 2)	+, -	Amplifier under driver seat, white 30 pin plug, pins 10 - 25 (coil 1); pins 8 - 23 (coil 2)
Rearview Camera Video	Red - Black	+, -	Radio, black 30 pin plug, pins 28 - 29

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Additional Wiring Notes

Item	Note
Ignition	Can also use green (+) at the Dash Fuse Box, white 23 pin plug (8F), pin 11.
Second Ignition	Can also use blue (+) at the Dash Fuse Box, rear white 32 pin plug (8D), pin 17.