

2022 Ford Transit(SmartKey) - Requested by: ampire.de



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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (50A)	+	BCM-Dash Fuse Box, black 22 pin plug (J7-G), pin 22
Second 12 Volts	Gray/Red (7.5A)	+	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 24
Ground	(chassis ground)		
Ground 2	Black/Violet	-	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 14
Starter Kill	Brown	+	Underhood Fuse Box, 60 pin plug (A), pin 1
Ignition Sense	Blue/Brown	+	BCM-Dash Fuse Box, black-gray 22 pin plug (J1-A), pin 15
PTS 1	Green/White	+	Push Button Start Switch, black 6 pin plug, pin 1
PTS 2	Yellow/Orange	-	Push Button Start Switch, black 6 pin plug, pin 6
CAN Bus High	Blue (HS1 CAN)	Data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 20
CAN Bus Low	White (HS1 CAN)	Data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 19
CAN Bus High 2	Gray/Orange (MS CAN)	Data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 23
CAN Bus Low 2	Violet/Orange (MS CAN)	Data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 22
CAN Bus High 3	Green/Orange (HS2 CAN)	Data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 18
CAN Bus Low 3	Gray/Blue (HS2 CAN)	Data	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 17
OBD 12 Volts	White/Red (10A)	+	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 13

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OBD Ground	Black/White	-	Gateway Module on OBD-Data Link Connector, black 24 pin plug, pin 1
OBD Connector	Black		Under Driver Dash, Left of Steering Column
IMMO Antenna	(PATS antenna is on the top center of dash)		
Power Lock	Gray/Yellow	-	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 17
Power Unlock	Violet/Gray	-	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 4
Lock Motor	Gray/Brown	Reverse	BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 35
Driver Unlock Motor	Blue/Green	Reverse	BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 27
Passenger Unlock Motor	Blue/Brown	Reverse	BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 5
Factory Alarm Arm	(arms on lock)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	Green/Orange (LF); Brown/Yellow (RF)	+	BCM-Dash Fuse Box, black 40 pin plug (J6-F), pin 30 (LF); pin 37 (RF)
Parking Lights 2	Violet/Green (LR); White/Orange (RR)	+	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 25 (LR); pin 51 (RR)
Parking Lights -	(LIN)		
Hazards	Brown/Yellow	-	BCM-Dash Fuse Box, black 52 pin plug (J2-B), pin 19
Hazards 2	Brown/Yellow (alternate location)	-	Hazard Switch, black 4 pin plug, pin 3
Turn Signal (Left)	Blue/Green (LF); White/Green or Gray/Orange (LR)	+	BCM-Dash Fuse Box, black 40 pin plug (J6-F), pin 39 (LF); blue 52 pin plug (J5-E), pin 26 (LR)
Turn Signal (Right)	Yellow/Violet (RF); Gray/Violet or Green/Orange (RR)	+	BCM-Dash Fuse Box, black 40 pin plug (J6-F), pin 38 (RF); blue 52 pin plug (J5-E), pin 52 (RR)
Headlight	Violet/Brown or Brown/Blue (L); Yellow/Gray or Blue/Green (R)	+	BCM-Dash Fuse Box, black 22 pin plug (J7-G), pin 4 (L); pin 2 (R)
AutoLights	(LIN)		

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Reverse Light	Green/Brown	+	BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 11
Left Front Door Trigger	Green/Violet	- N.C.	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 33
Right Front Door Trigger	White	- N.C.	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 21
Left Rear Door Trigger	Green	- N.C.	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 46
Right Rear Door Trigger	Yellow	- N.C.	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 19
Dome Light	Violet/Gray	+	BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 13
Trunk/Hatch Pin	Gray	- N.C.	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 34
Hood Pin	White/Brown	- N.C.	BCM-Dash Fuse Box, black 40 pin plug (J6-F), pin 14
Trunk Release Motor	Yellow (unlock)	Reverse	BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 31
Power Sliding Door (Right)	Yellow/Blue (2 pulse open; 1 pulse close)	-	Power Sliding Door Switch, black 12 pin plug, pin 3
Tachometer	Blue/White (3.5L); Blue/Orange (2.0L EcoBlue)	AC	Customer Access Harness taped to harness on driver fender
Tachometer 2	Brown/Blue (3.5L) (CMP sensor)	AC	PCM behind driver headlight, 126 pin plug (E), pin 76
Tachometer 3	Brown/Blue (2.0L EcoBlue) (CMP sensor)	AC	PCM behind driver headlight, black 95 pin plug (E), pin 74
Wait to Start	(program wait to start timer)		
Fuel Pump	Violet/Red	+	Underhood Fuse Box, 60 pin plug (B), pin 19
Rear Defroster	Brown/Blue	- Latched	HVAC Control Module, 26 pin plug, pin 7
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	White/Blue	Reverse	HVAC Control Module, black 30 pin plug, pin 16
Right Front Heated Seat	Gray/Yellow	Reverse	HVAC Control Module, black 30 pin plug, pin 17

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Speed Sense	Violet/Orange	AC	ABS Module on driver fender, black 46 pin plug, pin 35
Brake Wire	Violet/White	+	BCM-Dash Fuse Box, black-gray 22 pin plug (J1-A), pin 1
Brake Wire 2	Violet/White (alternate location)	+	Brake Switch, white 4 pin plug, pin 4
Parking Brake	White/Violet (w/o EPB)	-	BCM-Dash Fuse Box, blue 52 pin plug (J5-E), pin 47
Horn Trigger	Blue/White	-	BCM-Dash Fuse Box, black 52 pin plug (J2-B), pin 18
Horn Trigger 2	Blue/White (alternate location)	-	Horn Switch-Clock Spring, yellow 8 pin plug, pin 4
Horn - Factory Alarm	Violet/Green	-	BCM-Dash Fuse Box, black 40 pin plug (J6-F), pin 20
Wipers	Green/Orange	-	Steering Column Module, gray 14 pin plug, pin 3
Wipers Protection	White/Blue (relay -trigger)	Cut	BCM-Dash Fuse Box, black 40 pin plug (J6-F), pin 24
Left Front Window (Up/Down)	Blue/Gray - Yellow/Violet	A	Driver Window Switch, gray 8 pin plug, pins 3 - 5
Right Front Window (Up/Down)	Brown/Yellow - Green/Orange	A	Driver Kick, door harness, gray 34 pin plug, pins A15 - A14
Radio 12V	Red	+	Radio, black 32 pin plug, pin 1
Radio Ground	Black/Blue	-	Radio, black 32 pin plug, pin 4
Radio Ignition	Gray/Blue (delayed accessory)	+	Driver Kick, door harness --or-- BCM-Dash Fuse Box, black 36 pin plug (J3-C), pin 36
Left Front Speaker (+/-)	White - White/Brown	+,-	Radio, black 32 pin plug, pins 8 - 7
Right Front Speaker (+/-)	White/Violet - White/Orange	+,-	Radio, black 32 pin plug, pins 3 - 2
Left Rear Speaker (+/-)	White/Green - Brown/Yellow	+,-	Radio, black 32 pin plug, pins 6 - 5
Right Rear Speaker (+/-)	Brown/White - Brown/Blue	+,-	Radio, black 32 pin plug, pins 10 - 9
Aux. Audio Input Left (+/-)	Green/White - Violet (SYNC audio)	+,-	Radio, gray 32 pin plug, pins 20 - 31

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Aux. Audio Input Right (+/-)	Violet/Gray - Brown/White (SYNC audio)	+,-	Radio, gray 32 pin plug, pins 21 - 32
Rearview Camera Video	White/Green - Blue/Gray or Violet/Gray - Green/Blue	+,-	Radio, black 32 pin plug, pins 14 - 25 (w/o SYNC); SYNC Module behind glove box, black 54 pin plug, pins 14 - 15 (with SYNC)

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What Fits

Item	Size	Depth	Location
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