

2017 Nissan GT-R (Smart Key) - North America

| Item | Wire Color | Polarity | Wire Location |
|----------------------------------|---|----------|--|
| 12 Volts | White (40A) | + | BCM in passenger kick, black 3 pin plug, pin 1 |
| Second 12 Volts | Lt. Green (30A) | + | Driver Kick Fuse Box, rear, black 2 pin plug, pin 1 |
| Ground | (chassis ground) | | |
| Starter | Lt. Blue | - | BCM in passenger kick, gray 40 pin plug, pin 21 |
| Ignition | Red | + | BCM in passenger kick, black 40 pin plug, pin 11 |
| Second Ignition | Yellow | - | BCM in passenger kick, gray 40 pin plug, pin 16 |
| Accessory | Tan | + | BCM in passenger kick, black 40 pin plug, pin 31 |
| Second Accessory | Tan | + | BCM in passenger kick, black 40 pin plug, pin 24 |
| PTS 1 | Brown | - | Push Button Ignition Switch, brown 8 pin plug, pin 4 |
| PTS 2 | Brown (alternate location) | - | BCM in passenger kick, black 40 pin plug, pin 18 |
| Keysense | Red | + | Key Slot, white 12 pin plug, pin 11 |
| Keysense 2 | Red (alternate location) | + | BCM in passenger kick, green 40 pin plug, pin 10 |
| CAN Bus High | Blue | Data | OBD-Data Link Connector, white 16 pin plug, pin 6 |
| CAN Bus Low | Pink | Data | OBD-Data Link Connector, white 16 pin plug, pin 14 |
| CAN Bus High 2 | Blue | Data | BCM in passenger kick, black 40 pin plug, pin 20 |
| CAN Bus Low 2 | Pink | Data | BCM in passenger kick, black 40 pin plug, pin 19 |
| OBD 12 Volts | Yellow (10A) | + | OBD-Data Link Connector, white 16 pin plug, pin 16 |
| OBD Ground | Black | - | OBD-Data Link Connector, white 16 pin plug, pin 4 |
| OBD Ignition | Green | + | OBD-Data Link Connector, white 16 pin plug, pin 8 |
| OBD Connector | White | | Under Driver Dash, Near Hood Release |
| IMMO Data | Blue | Data | Key Slot, white 12 pin plug, pin 3 |
| IMMO Data 2 | Blue (alternate location) | Data | BCM in passenger kick, black 40 pin plug, pin 10 |
| IMMO Clock | Gray | Data | Key Slot, white 12 pin plug, pin 2 |
| IMMO Clock 2 | Gray (alternate location) | Data | BCM in passenger kick, black 40 pin plug, pin 9 |
| Security Light | Green | - | BCM in passenger kick, green 40 pin plug, pin 30 |
| Keyless Data | Yellow | Data | BCM in passenger kick, black 40 pin plug, pin 12 |
| Power Lock | Pink | - | BCM in passenger kick, green 40 pin plug, pin 17 |
| Power Unlock | Brown | - | BCM in passenger kick, green 40 pin plug, pin 20 |
| Lock Motor | Violet | Reverse | BCM in passenger kick, white 16 pin plug, pin 3 |
| Driver Unlock Motor | Green | Reverse | BCM in passenger kick, white 16 pin plug, pin 2 |
| Passenger Unlock Motor | Green | Reverse | BCM in passenger kick, white 16 pin plug, pin 6 |
| Factory Alarm Arm | (arms on lock with door open) | | |
| Factory Alarm Disarm | (proximity key and push button) | | |
| Parking Lights | Red (exterior lights) | + | Driver Kick, harness to rear |
| Parking Lights 2 | Red (interior lights) | + | Driver Kick Fuse Box, white 10 pin plug, pin 8 |
| Hazards | Green | - | BCM in passenger kick, black 40 pin plug, pin 39 |
| Turn Signal (Left) | Tan (LF); Violet (LR) | + | BCM in passenger kick, white 16 pin plug, pin 9 (LF); white 12 pin plug, pin 12 (LR) |
| Turn Signal (Right) | White (RF); Lt. Blue (RR) | + | BCM in passenger kick, white 16 pin plug, pin 10 (RF); white 12 pin plug, pin 5 (RR) |
| Headlight | Pink (L); Red (R) | + | Underhood Fuse Box, white 8 pin plug, pin 2 (L); pin 1 (R) |
| AutoLights | (pulse left front door trigger to turn off) | | |
| Reverse Light | Tan | + | Driver Kick, harness to rear --or-- Radio, white 40 pin plug, pin 36 |
| Left Front Door Trigger | Gray | - | BCM in passenger kick, green 40 pin plug, pin 39 |
| Left Front Door Trigger 2 | Lt. Green (alternate location) | - | Driver Kick, harness to rear |
| Right Front Door Trigger | Lt. Green | - | BCM in passenger kick, green 40 pin plug, pin 13 |
| Dome Light | Violet | - | BCM in passenger kick, white 16 pin plug, pin 8 |

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| Trunk/Hatch Pin | Red | - | BCM in passenger kick, gray 40 pin plug, pin 19 |
| Hood Pin | Lt. Green | - | Hood Switch, black 2 pin plug, pin 1 --or-- Underhood Fuse Box, white 16 pin plug, pin 14 |
| Trunk/Hatch Release | Blue | - | Trunk Lid Opener Switch, green 8 pin plug, pin 6 |
| Trunk-Hatch Release2 | Blue (alternate location) | - | BCM in passenger kick, gray 40 pin plug, pin 36 |
| Trunk Release Motor | Green | Reverse | BCM in passenger kick, white 12 pin plug, pin 2 |
| Fuel Door Release | (locks/unlocks with driver door) | | |
| Tachometer | Lt. Blue | AC | Power Steering Control Unit behind glove box, white 12 pin plug, pin 9 |
| Fuel Pump | Yellow | + | Passenger Kick, harness to rear |
| Rear Defroster | Violet | - Latched | BCM in passenger kick, green 40 pin plug, pin 40 |
| Mirror Defroster | (same as rear defroster) | | |
| Left Front Heated Seat | Blue/Red (LO) | Reverse | Driver Heated Seat Switch, brown 6 pin plug, pin 4 |
| Right Front Heated Seat | Blue/Red (LO) | Reverse | Passenger Heated Seat Switch, brown 6 pin plug, pin 4 |
| Speed Sense | Violet | 8-Pulse | Radio, white 40 pin plug, pin 37 |
| Brake Wire | White | + | Brake Switch, white 4 pin plug, pin 2 |
| Brake Wire 2 | Pink (alternate location) | + | BCM in passenger kick, green 40 pin plug, pin 7 |
| Parking Brake | Violet | - | Parking Brake Switch, black 1 pin plug, pin 1 |
| Parking Brake 2 | Pink (alternate location) | - | Radio, white 40 pin plug, pin 16 |
| Horn Trigger | White | - | Horn Switch-Clock Spring, gray 8 pin plug, pin 5 |
| Horn - Factory Alarm | White | - | Underhood Fuse Box, white 8 pin plug, pin 6 |
| Wipers | Violet (LO); Blue (HI) | + | Underhood Fuse Box, white 36 pin plug, pin 35 (LO); pin 34 (HI) |
| Left Front Window (Up/Down) | (motor is part of module) | | |
| Right Front Window (Up/Down) | (motor is part of module) | | |
| Radio 12V | Yellow | + | Radio, white 20 pin plug, pin 11 |
| Radio Ground | (chassis ground) | | |
| Radio Ignition | Tan or White | + | Radio, white 20 pin plug, pin 4 |
| Radio Illumination | Gray (parking lights); Pink (dimmer) | +,- | Radio, white 20 pin plug, pin 2 (parking lights); pin 3 (dimmer) |
| Factory Amp Turn-on | Violet | + | Radio, white 20 pin plug, pin 10 |
| Power Antenna | (no wire color listed in service manual) | + | Radio, 3 pin plug, pin 1 |
| Left Front Speaker (+/-) | Red - Green (w/o Bose); Blue - Pink (Bose) (preamp) | +,- | Radio, white 20 pin plug, pins 9 - 8 |
| Right Front Speaker (+/-) | Red - Blue (w/o Bose); Red - Green (Bose) (preamp) | +,- | Radio, white 20 pin plug, pins 19 - 18 |
| Left Rear Speaker (+/-) | Black - White (w/o Bose); White - Black (Bose, voice) (preamp) | +,- | Radio, white 20 pin plug, pins 7 - 6 |
| Right Rear Speaker (+/-) | Black - Yellow (w/o Bose) (preamp) | +,- | Radio, white 20 pin plug, pins 17 - 16 |
| Left Front Speaker - With Amp | Red - Green | +,- | Amp LH under driver seat, white 10 pin plug, pins 7 - 8 (w/o Bose); Bose Amp under driver seat, brown 14 pin plug, pins 10 - 11 (Bose) |
| Right Front Speaker - With Amp | Yellow - Lt. Green | +,- | Amp RH under driver seat, white 10 pin plug, pins 7 - 8 (w/o Bose); Bose Amp under driver seat, brown 14 pin plug, pins 6 - 7 (Bose) |
| Left Front Tweeter - With Amp | Tan - Gray (Bose) | +,- | Bose Amp under driver seat, brown 14 pin plug, pins 4 - 13 (Bose) |

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| Right Front Tweeter - With Amp | Lt. Blue - Brown (Bose) | +,- | Bose Amp under driver seat, brown 14 pin plug, pins 8 - 9 (Bose) |
| Left Rear Speaker - With Amp | Blue - White (w/o Bose); Violet - Lt. Green (Bose) | +,- | Amp LH under driver seat, white 10 pin plug, pins 1 - 2 (w/o Bose); Bose Amp under driver seat, brown 23 pin plug, pins 12 - 2 (Bose) |
| Right Rear Speaker - With Amp | Lt. Green - Tan | +,- | Amp RH under driver seat, white 10 pin plug, pins 1 - 2 (w/o Bose); Bose Amp under driver seat, brown 23 pin plug, pins 4 - 3 (Bose) |
| Center Channel - With Amp | Violet - White (Bose) | +,- | Bose Amp under driver seat, brown 23 pin plug, pins 13 - 14 (Bose) |
| Subwoofer - With Amp | Pink - Lt. Blue (preamp); White (amp turn-on) (Bose) | +,-; + | Bose Amp under driver seat, brown 23 pin plug, pins 20 - 8 (preamp); pin 11 (amp turn-on) (Bose) |
| Aux. Audio Input Left (+/-) | White - Black | +,- | Radio, white 40 pin plug, pins 6 - 5 |
| Aux. Audio Input Right (+/-) | Red - Black | +,- | Radio, white 40 pin plug, pins 26 - 5 |
| Rearview Camera Video | White - (shield) | +,- | Radio, white 40 pin plug, pins 1 - 21 |

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