

Wiring Information

| Item | Wire Color | Polarity | Wire Location |
|--------------------------|---|-----------|---|
| 12 Volts | blue/red (30A); brown/red (50A) | + | driver kick, gray 10 pin plug, pin 1; BCM in passenger kick, black 22 pin plug (J7), pin 22 |
| Ground | (chassis ground) | | |
| Starter | brown/green (for starter kill only) | + | passenger side of engine, 34 pin plug, pin 14 --or-- underhood fuse box |
| Ignition | white (for ignition sense only) | + | BCM in passenger kick, black 22 pin plug (J1), pin 16 |
| Accessory | brown/yellow (for accessory sense only) | + | BCM in passenger kick, 36 pin plug (J3), pin 30 |
| PTS 1 | brown/violet | + | start stop button or BCM in passenger kick, black 52 pin plug (J2), pin 51 |
| PTS 2 | yellow/orange | - | start stop button or BCM in passenger kick, black 52 pin plug (J2), pin 5 |
| CAN Bus High | blue (HS CAN) | data | Gateway Module on data link connector, black 24 pin plug, pin 20 |
| CAN Bus Low | white (HS CAN) | data | Gateway Module on data link connector, black 24 pin plug, pin 19 |
| CAN Bus High 2 | gray (MS CAN) | data | Gateway Module on data link connector, black 24 pin plug, pin 23 |
| CAN Bus Low 2 | violet (MS CAN) | data | Gateway Module on data link connector, black 24 pin plug, pin 22 |
| CAN Bus High 3 | green (HS2 CAN) | data | Gateway Module on data link connector, black 24 pin plug, pin 18 |
| CAN Bus Low 3 | gray (HS2 CAN) | data | Gateway Module on data link connector, black 24 pin plug, pin 17 |
| IMMO Data | (PATS antenna is under rubber cover in cupholder) | | |
| Power Lock | blue (without memory) | - | driver kick or BCM in passenger kick, blue 52 pin plug (J5), pin 17 |
| Power Unlock | yellow (without memory) | - | driver kick or BCM in passenger kick, blue 52 pin plug (J5), pin 4 |
| Lock Motor | gray/brown | 5 wire | driver kick or BCM in passenger kick, 36 pin plug (J3), pin 35 |
| Driver Unlock Motor | blue/green | 5 wire | driver kick or BCM in passenger kick, 36 pin plug (J3), pin 27 |
| Passenger Unlock Motor | violet/gray | 5 wire | BCM in passenger kick, 36 pin plug (J3), pin 32 |
| Factory Alarm Arm | (arms on lock) | | |
| Factory Alarm Disarm | (see disarm no unlock) | | |
| Disarm No Unlock | (proximity key and push-button) | | |
| Parking Lights | violet/white (F); violet/white (R) | + | BCM in passenger kick, black 22 pin plug (J7), pin 3; 36 pin plug (J3), pin 12 |
| Parking Lights - | gray | - | headlight switch, black 16 pin plug, pin 11 |
| Parking Lights Interrupt | black/blue (see Tech Doc 1096) | cut | headlight switch, black 16 pin plug, pin 4 |
| Hazards | brown | - | hazard switch or BCM in passenger kick, black 52 pin plug (J2), pin 19 |
| Turn Signal (Left) | blue/green (F) | + | BCM in passenger kick, black 40 pin plug (J6), pin 39 |
| Turn Signal (Right) | yellow/violet (F) | + | BCM in passenger kick, black 40 pin plug (J6), pin 38 |
| Headlight | blue (headlight); black/blue (switch ground) | - and cut | headlight switch, black 16 pin plug, pins 12, 4 |
| AutoLights | violet | cut | headlight switch, black 16 pin plug, pin 13 |
| Reverse Light | green/brown | + | BCM in passenger kick, 36 pin plug (J3), pin 11 |
| Left Front Door Trigger | green | - N.C. | driver kick or BCM in passenger kick, blue 52 pin plug (J5), pin 33 |
| Right Front Door Trigger | white | - N.C. | BCM in passenger kick, blue 52 pin plug (J5), pin 21 |
| Dome Light | gray/violet | + | BCM in passenger kick, 36 pin plug (J3), pin 13 |
| Trunk/Hatch Pin | gray | - N.C. | BCM in passenger kick, blue 52 pin plug (J5), pin 34 |
| Hood Pin | blue/orange | - N.C. | BCM in passenger kick, black 40 pin plug (J6), pin 14 |
| Trunk/Hatch Release | brown/white | - | release switch or BCM in passenger kick, black 52 pin |

DirectWire

2016 Ford Mustang (Smart Key) - North America

| Item | Wire Color | Polarity | Wire Location |
|------------------------------|---|-----------|--|
| | | | plug (J2), pin 1 |
| Trunk Release Motor | brown/blue | 5 wire | BCM in passenger kick, 36 pin plug (J3), pin 33 |
| Tachometer | green/blue, gray/yellow, violet/gray, or yellow/orange (2.3L) | ac | driver side rear of engine, black 16 pin plug, pin 1, 4, 5, or 6 |
| Clutch Pedal | blue/orange (bottom); green/violet (top) | - | inline harness near clutch switch, gray 4 pin plug, pins 1, 2 |
| Fuel Pump | yellow or yellow/violet | - | BCM in passenger kick, black 40 pin plug (J6), pin 26 |
| Rear Defroster | white | - latched | climate control switch, black 26 pin plug, pin 7 |
| Mirror Defroster | (same as rear defroster, without memory); (MS CAN, with memory) | | |
| Left Front Heated Seat | (MS CAN) | | |
| Right Front Heated Seat | (MS CAN) | | |
| Speed Sense | brown/green (2.3L); yellow/orange (3.7L, 5.0L, 5.2L) | ac | PCM next to underhood fuse box, 95 pin plug, pin 12 or 26 |
| Brake Wire | violet/white | + | brake switch or BCM in passenger kick, black 22 pin plug (J1), pin 1 |
| Parking Brake | white/violet | - | parking brake switch or BCM in passenger kick, blue 52 pin plug (J5), pin 47 |
| Horn Trigger | green/white | - | horn switch or BCM in passenger kick, black 52 pin plug (J2), pin 18 |
| Wipers | (LIN bus) | | |
| Left Front Window (Up/Down) | (motor is part of module); green/violet (global open) | - | driver kick or BCM B in right side of trunk, black 24 pin plug, pin 10 |
| Right Front Window (Up/Down) | (motor is part of module); green/violet (global open) | - | passenger kick or BCM B in right side of trunk, black 24 pin plug, pin 22 |
| Left Rear Window (Up/Down) | (motor is part of module) (convertible) | | |
| Right Rear Window (Up/Down) | (motor is part of module) (convertible) | | |
| Sun Roof (Open/Close) | green - blue/orange (convertible top) (function with ignition on only) | - | passenger kick, 40 pin plug, pins 19 - 18 |
| Memory Seat 1 | violet/white | - | memory set switch in driver door, black 8 pin plug, pin 5 |
| Memory Seat 2 | yellow/violet | - | memory set switch in driver door, black 8 pin plug, pin 6 |
| Memory Seat 3 | blue/orange | - | memory set switch in driver door, black 8 pin plug, pin 7 |
| Radio 12V | red | + | radio, black 24 pin plug, pin 1 |
| Radio Ground | black/gray | - | radio, black 24 pin plug, pin 13 |
| Radio Ignition | (HS CAN) | | |
| Factory Amp Turn-on | blue/green | + | radio, black 24 pin plug, pin 7 |
| Power Antenna | yellow/green | + | radio, black 24 pin plug, pin 2 |
| Left Front Speaker (+/-) | white - white/brown or green - gray | +,- | radio, black 24 pin plug, pins 22 - 10 |
| Right Front Speaker (+/-) | white/violet - white/orange or violet - yellow | +,- | radio, black 24 pin plug, pins 23 - 11 |
| Left Rear Speaker (+/-) | white/green - brown/yellow or green/white - brown | +,- | radio, black 24 pin plug, pins 21 - 9 |
| Right Rear Speaker (+/-) | brown/white - brown/blue or violet/white - blue | +,- | radio, black 24 pin plug, pins 24 - 12 |
| Center Channel (+/-) | green - gray/yellow | +,- | radio, black 24 pin plug, pins 20 - 8 |
| Subwoofer (+/-) | violet/green - green/white (preamp); violet/red (amp turn-on) | +,-; + | amplifier above driver kick, gray 16 pin plug, pins 1 - 2; 9 |
| Aux. Audio Input Left (+/-) | blue - gray (SYNC audio) | +,- | radio, black 26 pin plug, pins 12 - 25 |
| Aux. Audio Input Right (+/-) | violet - brown/white (SYNC audio) | +,- | radio, black 26 pin plug, pins 13 - 26 |
| RSE Video (+/-) | white/green - brown/violet (rear view camera video) (without touchscreen) | +,- | front control/display module, black 12 pin plug, pins 6 - 12 |
| Satellite Radio 12 Volts | (built into radio) | | |

DirectWire

2016 Ford Mustang (Smart Key) - North America

What Fits

| Item | Size | Depth | Location |
|-----------------------|--------------------|-------|--------------------------------------|
| Headunit | irregular | | center of dash |
| Left Front Speaker | | | left front door |
| Left Front Tweeter | | | left front door; left front pillar |
| Right Front Speaker | | | right front door |
| Right Front Tweeter | | | right front door; right front pillar |
| Left Rear Speaker | | | left rear shelf or side panel |
| Right Rear Speaker | | | right rear shelf or side panel |
| Center Channel | | | top center of dash |
| Subwoofer | | | right side of trunk |
| Satellite Radio Tuner | (built into radio) | | |

DirectWire

2016 Ford Mustang (Smart Key) - North America

Additional Wiring Notes

| Item | Note |
|---------------------------|--|
| Power Lock | On models with memory, it is blue/green (-) at the door lock switch in driver door, black 8 pin plug, pin 2. |
| Power Unlock | On models with memory, it is yellow/purple (-) at the door lock switch in driver door, black 8 pin plug, pin 1. |
| Turn Signal (Left) | The rear turn signals are white/green, brown/purple, gray/brown at the BCM B in right side of trunk, black 24 pin plug, pins 2, 3, 4. |
| Turn Signal (Right) | The rear turn signals are gray/purple, brown, purple/orange at the BCM B in right side of trunk, black 24 pin plug, pins 14, 15, 16. |
| Tachometer | On 3.7L, 5.0L, or 5.2L models, the fuel injectors are green/blue, gray/yellow, purple/gray, yellow/orange, brown, green/white, gray/brown, or purple/orange at any fuel injector, black or gray 2 pin plug, pin 1. |
| Left Front Speaker (+/-) | On models with amplifier, the woofer wires are white - white/brown at the amplifier above driver kick, gray 16 pin plug, pins 14 - 13. The midrange/tweeter wires are green/blue - gray/blue at the amplifier, 14 pin plug, pins 8 - 9. |
| Right Front Speaker (+/-) | On models with amplifier, the woofer wires are white/purple - white/orange at the amplifier above driver kick, gray 16 pin plug, pins 6 - 5. The midrange/tweeter wires are purple/gray - yellow/gray at the amplifier, 14 pin plug, pins 4 - 5. |
| Left Rear Speaker (+/-) | On models with amplifier, the speaker wires are white/green - brown/yellow at the amplifier above driver kick, gray 16 pin plug, pins 16 - 15. |
| Right Rear Speaker (+/-) | On models with amplifier, the speaker wires are brown/white - brown/blue at the amplifier above driver kick, gray 16 pin plug, pins 8 - 7. |
| Center Channel (+/-) | On models with amplifier, the speaker wires are green - gray/yellow at the amplifier above driver kick, 14 pin plug, pins 2 - 3. |
| RSE Video (+/-) | On models with touchscreen, the rear view camera video wires are white/green - brown/purple at the SYNC Module/display, black 54 pin plug, pins 14 - 15. |