

## 2008 Ford Mustang

### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	tan/black, gray/lt. blue, dk. green (30A each)	+	SJB, gray 36 pin plug (H), pins 32, 31, and 11
<b>Second 12 Volts</b>	lt. green/purple (20A)	+	ignition switch, 7 pin plug, pin 4
<b>Starter</b>	dk. green	+	ignition switch, 7 pin plug, pin 7
<b>Second Starter</b>	N/A		
<b>Ignition</b>	white/yellow	+	ignition switch, 7 pin plug, pin 1
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	black/pink	+	ignition switch, 7 pin plug, pin 6
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	lt. green/purple	+	ignition switch, 7 pin plug, pin 5
<b>Data Bus</b>	white/lt. green (TX), gray/orange (RX)	data	PATS Transceiver, 4 pin plug, pins 3 (TX), 4 (RX)
<b>Can Bus High</b>	white/orange	data	data link connector under driver dash, pin 3
<b>Can Bus Low</b>	pink/orange	data	data link connector under driver dash, pin 11
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	white/purple (driv sw) or orange/black (pass sw)	-	either kick or SJB, black 26 pin plug (E), pin 3 or 8
<b>Power Unlock</b>	dk. blue/lt. grn (driv sw) or yellow/red (pass sw)	-	either kick or SJB, black 26 pin plug (E), pin 1 or 5
<b>Lock Motor</b>	red/orange	5 wire	driver kick or SJB, black 5 pin plug (G), pin 3
<b>Unlock Motor</b>	yellow	5 wire	driver kick or SJB, black 5 pin plug (G), pin 1
<b>Disarm Defeat</b>	lt. blue	5 wire	passenger kick or SJB, gray 36 pin plug (H), pin 14
<b>Parking Lights (+)</b>	SJB controls each light separately, use negative		
<b>Parking Lights (-)</b>	black/lt. green	-	headlight switch or SJB, blue 52 pin plug (B), pin 31
<b>Hazards</b>	red/white	-	hazard switch or SJB, blue 52 pin plug (B), pin 24
<b>Turn Signal (Left)</b>	SJB controls each light separately, use hazards		
<b>Turn Signal (Right)</b>	SJB controls each light separately, use hazards		

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	red/white	-	headlight switch or SJB, blue 52 pin plug (B), pin 46
<b>AutoLights</b>	N/A		
<b>Reverse Light</b>	white/yellow	+	passenger kick or SJB, gray 52 pin plug (D), pin 13
<b>Left Front Door Trigger</b>	lt. green/black	- N.C.	driver kick or SJB, black 26 pin plug (E), pin 2
<b>Right Front Door Trigger</b>	yellow/lt. green	- N.C.	pass kick or SJB, black 26 pin plug (E), pin 6
<b>Left Rear Door Trigger</b>	N/A		
<b>Right Rear Door Trigger</b>	N/A		
<b>Dome Supervision</b>	lt. green/yellow	-	pass A pillar or SJB, gray 26 pin plug (F), pin 25
<b>Trunk/Hatch Pin</b>	white/yellow	+	trunk light or SJB, black 26 pin plug (E), pin 15
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	purple/orange	- N.C.	hood pin sw or SJB, black 52 pin plug (C), pin 15
<b>Trunk Hatch/Release</b>	white/purple	-	SJB, black 52 pin plug (C), pin 13
<b>Trunk Release Motor</b>	pink/orange	+	passenger kick, harness to rear
<b>Fuel Door Release</b>	N/A		
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	lt. blue/pink	-	driver kick or SJB, black 26 pin plug (E), pin 18
<b>Factory Alarm Disarm</b>	lt. blue/black	-	driver kick or SJB, black 26 pin plug (E), pin 9
<b>Disarm No Unlock</b>	see factory alarm disarm		
<b>Trunk Alarm Shunt</b>	white/pink	-	pass kick or SJB, black 52 pin plug (C), pin 21
<b>Tachometer</b>	NOT red	ac	any fuel injector
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	black or red/lt. blue (in), lt. blue/yellow (out)	- N.O.	clutch pedal switch
<b>Fuel Pump</b>	dk. green/yellow or white	+	inertia fuel shutoff switch in driver kick
<b>Rear Defroster</b>	pink	- pulsed	HVAC Control Module in dash, 26 pin plug, pin 10
<b>Mirror Defroster</b>	N/A		
<b>Left Front Heated Seat</b>	red	- latched	HVAC Control Module in dash, 26 pin plug, pin 12
<b>Right Front Heated Seat</b>	dk. green/purple	- latched	HVAC Control Module in dash, 26 pin plug, pin 13

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	dk. blue/yellow	ac	PCM, top plug, pin 3
Brake Wire	lt. green	+	brake pedal switch or SJB, gray 36 pin plug (H), pin 16
Parking Brake	red/yellow	-	parking brake sw or SJB, black 52 pin plug (C), pin 50
Horn Trigger	dk. blue	-	horn switch or SJB, blue 52 pin plug (B), pin 39
Wipers	dk. blue/orange (L), red (H)	-	windshield wiper switch
Left Front Window (Up/Down)	motor part of module		
Right Front Window (Up/Down)	motor part of module		
Left Rear Window (Up/Down)	motor part of module		
Right Rear Window (Up/Down)	motor part of module		
Sun Roof (Open/Close)	lt. blue/orange - purple/orange	-	conv top sw or SJB, gray 26 pin plug (F), pins 16, 15
Sun Roof (Limit/Close)	white/purple (fully down), tan/black (fully up)	-	top ajar sw or SJB, black 52 pin plug (C), pins 19, 18
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/white	+	radio, 24 pin plug, pin 1
Radio Ground	black/orange	-	radio, 24 pin plug, pin 13
Radio Ignition	gray/yel (early build), (CAN dat bus) (late build)	+	radio, 24 pin plug, pin 2
Radio Illumination	N/A		
Factory Amp Turn-on	dk. green/purple (F), gray/black (R)	+	radio, 8 pin plug, pins 4 and 8
Power Antenna	N/A		
Left Front Speaker (+/-)	orange/lt. green - lt. blue/white	+,-	radio, 24 pin plug, pins 8 and 21
Right Front Speaker (+/-)	white/lt. green - dk. green/orange	+,-	radio, 24 pin plug, pins 11 and 12
Left Rear Speaker (+/-)	gray/lt. blue - tan/yellow	+,-	radio, 24 pin plug, pins 9 and 22
Right Rear Speaker (+/-)	orange/red - brown/pink	+,-	radio, 24 pin plug, pins 10 and 23
Center Channel (+/-)	N/A		
Subwoofer (+/-)	brn/org - red/blk (F), pink/lt. grn - org/red (R)	+,-	radio, 8 pin plug, pins 1 and 2 (F), 5 and 6 (R)
Aux. Audio Input Left (+/-)	lt. green/black - lt. green/white	+,-	radio, 16 pin plug, pins 7 and 8
Aux. Audio Input Right (+/-)	red/black - red/white	+,-	radio, 16 pin plug, pins 6 and 14
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	red/white - white/black (satellite audio)	+,-	radio, 16 pin plug, pins 1 and 2
RSE Audio Right (+/-)	orange/black - pink/black (satellite audio)	+,-	radio, 16 pin plug, pins 9 and 10
Satellite Radio 12 Volts	red/white	+	satellite radio receiver in passenger side trunk

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DirectWire Vehicle Information - 1/22/2009 3:38:58 AM	black/orange	-	satellite radio receiver in passenger side trunk
Satellite Radio Ground	(CAN data bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	red - white	+,-	satellite radio receiver in passenger side trunk
Satellite Audio Right (+/-)	orange - pink	+,-	satellite radio receiver in passenger side trunk

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*What Fits*

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 8		left front door
Left Front Tweeter	N/A		
Right Front Speaker	6 x 8		right front door
Right Front Tweeter	N/A		
Left Rear Speaker	6 x 8		left rear side panel
Left Rear Tweeter	N/A		
Right Rear Speaker	6 x 8		right rear side panel
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			passenger side trunk

*Smart Starter Kill Relay*

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

<b>Notes:</b>
n/a

<b>Alternate Part Notes:</b>
n/a



*Additional Wiring Notes*

Item	Note
<b>Speed Sense</b>	The PCM (Powertrain Control Module) is in the front passenger side of the engine compartment.
<b>12 Volts</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Data Bus</b>	The PATS (Passive Anti-Theft System) Transceiver is around the ignition key cylinder. The PATS ignition wire is red/yellow in pin 1 and the ground wire is black in pin 2.
<b>Power Lock</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Power Unlock</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Lock Motor</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Driver Unlock Motor</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Passenger Unlock Motor</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Parking Lights (-)</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick. May need to interrupt the headlight switch ground wire when triggering this wire. It is black at the headlight switch, 10 pin plug, pin 7. See Tech Doc 1096 for wiring information.
<b>Hazards</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Brake Wire</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Headlight</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick. May need to interrupt the headlight switch ground wire when triggering this wire. It is black at the headlight switch, 10 pin plug, pin 7.
<b>Reverse Light</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Left Front Door Trigger</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Right Front Door Trigger</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Hood Pin</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Factory Alarm Arm</b>	Meter this wire while turning the key in the driver door key cylinder. The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Factory Alarm Disarm</b>	Meter this wire while turning the key in the driver door key cylinder. The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Trunk/Hatch Pin</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Trunk Alarm Shunt</b>	Meter this wire while turning the key in the trunk key cylinder. The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Dome Supervision</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Trunk Hatch/Release</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Parking Brake</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Horn Trigger</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
<b>Sun Roof (Open/Close)</b>	The convertible top only function with the ignition on. The SJB (Smart Junction Box) is the fuse box in the passenger kick. Also found in the passenger A pillar.
<b>Sun Roof (Limit/Close)</b>	The SJB (Smart Junction Box) is the fuse box in the passenger kick.