

## 2006 Ford Mustang

### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	lt. green/purple (20A)	+	ignition harness
<b>Second 12 Volts</b>			
<b>Starter</b>	dk. green	+	ignition harness
<b>Second Starter</b>	N/A		
<b>Ignition</b>	white/yellow	+	ignition harness
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	black/pink	+	ignition harness
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>			
<b>Key Sense</b>	lt. green/purple	+	ignition harness
<b>Data Bus</b>	white/lt. green (TX), gray/orange (RX)	data	PATS Transceiver, 4 pin plug, pins 3 and 4
<b>Can Bus High</b>			
<b>Can Bus Low</b>			
<b>Can Bus Sw</b>			
<b>Power Lock</b>	white/purple or orange/black	-	SJB, blk 26 pin plug, pin 3 or 8
<b>Power Unlock</b>	dk. blue/lt. gm or yellow/red	-	SJB, blk 26 pin plug, pin 1 or 5
<b>Lock Motor</b>	red/orange	5wi	DKP or SJB, blk 5 pin plug, pin 3
<b>Unlock Motor</b>	yellow	5wi	DKP or SJB, blk 5 pin plug, pin 1
<b>Disarm Defeat</b>	lt. blue	5wi	PKP or SJB, gry 36 pin plug, pin 14
<b>Parking Lights (+)</b>	SJB ctrls each light separate		
<b>Parking Lights (-)</b>	black/lt. green	-	sw. or SJB, blu 52 pin plug, pin 31
<b>Hazards</b>	red/white	-	sw. or SJB, blu 52 pin plug, pin 24
<b>Turn Signal (Left)</b>	SJB ctrls each light separate		
<b>Turn Signal (Right)</b>	SJB ctrls each light separate		

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	red/white	-	sw. or SJB, blu 52 pin plug, pin 46
<b>AutoLights</b>			
<b>Reverse Light</b>	white/yellow	+	PKP or SJB, gry 52 pin plug, pin 13
<b>Left Front Door Trigger</b>	use dome supervision wire		
<b>Right Front Door Trigger</b>			
<b>Left Rear Door Trigger</b>			
<b>Right Rear Door Trigger</b>			
<b>Dome Supervision</b>	lt. green/yellow	-	SJB, gry 26 pin plug, pin 25
<b>Trunk/Hatch Pin</b>	white/yellow	+	lt. or SJB, blk 26 pin plug, pin 15
<b>Rear Glass Pin</b>			
<b>Hood Pin</b>	purple/orange	-	pin or SJB, blk 52 pin plug, pin 15
<b>Trunk Hatch/Release</b>	white/purple	-	PKP or SJB, blk 52 pin plug, pin 13
<b>Trunk Release Motor</b>			
<b>Fuel Door Release</b>			
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>			
<b>Factory Alarm Arm</b>	lt. blue/pink	-	DKP or SJB, blk 26 pin plug, pin 18
<b>Factory Alarm Disarm</b>	lt. blue/black	-	DKP or SJB, blk 26 pin plug, pin 9
<b>Disarm No Unlock</b>	see factory alarm disarm		
<b>Trunk Alarm Shunt</b>			
<b>Tachometer</b>	NOT red	ac	any ignition coil or fuel injector
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>			
<b>Clutch Pedal</b>			
<b>Fuel Pump</b>			
<b>Rear Defroster</b>	pink	-	HVAC Control Module, 26 pin plug, pin 10
<b>Mirror Defroster</b>			
<b>Left Front Heated Seat</b>			
<b>Right Front Heated Seat</b>			

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	dk. blue/yellow	ac	PCM, top plug, pin 3
Brake Wire	lt. green	+	sw. or SJB, gry 36 pin plug, pin 16
Parking Brake	red/yellow	-	sw. or SJB, blk 52 pin plug, pin 50
Horn Trigger	dk. blue	-	sw. or SJB, blu 52 pin plug, pin 39
Wipers	yellow/red	-	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	-	sw or SJB, gry 26P plug, pins 16, 15
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	lt. green/purple	+	radio harness
Radio Ground	black/orange	-	radio harness
Radio Ignition	gray/yellow	+	radio harness
Radio Illumination	N/A		
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	orange/lt. grn - lt. blue/wht	+,-	radio harness
Right Front Speaker (+/-)	white/lt. grn - dk. green/org	+,-	radio harness
Left Rear Speaker (+/-)	gray/lt. blue - tan/yellow	+,-	radio harness
Right Rear Speaker (+/-)	orange/red - brown/pink	+,-	radio harness
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

*What Fits*

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

*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

*Immobilizer Bypass Module*

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<b>Required:</b>	<b>Yes</b>
<b>Type:</b>	<b>SecuriLock</b>
<b>Part #:</b>	<b>XK04</b>
<b>Alternate Part #'s:</b>	<b>1100F/1100X, 556SW, 556UW, DesignTech 20402, DesignTech 29402</b>

<b>Notes:</b>
<b>Standard on all models. When using the 1100X, a software change to 1100FM is needed.</b>

*Additional Wiring Notes*

Item	Note
<b>Power Unlock</b>	The SJB (Smart Junction Box) is in the passenger kick panel. These wire are also found in each kick, in the door harness. The first wire listed is the driver switch wire and the second is the passenger switch wire.
<b>Hazards</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Reverse Light</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Left Front Door Trigger</b>	The individual door trigger wires are Normally Close type. They rest at ground with the door closed and go to an open circuit with the door open. The driver door is lt. green/black at the SJB, black 26 pin plug, pin 2. The passenger door is yellow/lt. green at the SJB, black 26 pin plug, pin 6. The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Dome Supervision</b>	The SJB (Smart Junction Box) is in the passenger kick panel. Also found in the passenger side A pillar.
<b>Trunk/Hatch Pin</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Trunk Hatch/Release</b>	The SJB (Smart Junction Box) is in the passenger kick panel. The trunk release motor wire is pink/orange (+) in the passenger kick, harness to rear.
<b>Horn Trigger</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Sun Roof (Open/Close)</b>	These wires will operate the convertible top only with the ignition on. Use validity channels to control. The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Headlight</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Factory Alarm Disarm</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Power Lock</b>	The SJB (Smart Junction Box) is in the passenger kick panel. These wire are also found in each kick, in the door harness. The first wire listed is the driver switch wire and the second is the passenger switch wire.
<b>Lock Motor</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Driver Unlock Motor</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Passenger Unlock Motor</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Parking Lights (-)</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Hood Pin</b>	The hood pin wire rests at ground and goes to an open circuit with the hood open. The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Factory Alarm Arm</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Brake Wire</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Parking Brake</b>	The SJB (Smart Junction Box) is in the passenger kick panel.
<b>Speed Sense</b>	The PCM (Powertrain Control Module) is in the front passenger side of the engine compartment.
<b>Data Bus</b>	The PATS (Passive Anti-Theft System) Transceiver is around the ignition switch. The PATS ignition wire is red/yellow in pin 1, and ground wire is black in pin 2.