

2005 Ford Mustang



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	tan/black, gray/lt. blue, dk. green (30A each)	+	SJB, gray 36 pin plug (H), pins 32, 31, and 11
Second 12 Volts	lt. green/purple (20A)	+	ignition switch, 7 pin plug, pin 4
Starter	dk. green	+	ignition switch, 7 pin plug, pin 7
Second Starter	N/A		
Ignition	white/yellow	+	ignition switch, 7 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	black/pink	+	ignition switch, 7 pin plug, pin 6
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	lt. green/purple	+	ignition switch, 7 pin plug, pin 5
Data Bus	white/lt. green (TX), gray/orange (RX)	data	PATS Transceiver, 4 pin plug, pins 3 and 4
Can Bus High	white/orange	data	data link connector, 16 pin plug, pin 3
Can Bus Low	pink/orange	data	data link connector, 16 pin plug, pin 11
Can Bus Sw	N/A		
Power Lock	white/purple (driv sw) or orange/black (pass sw)	-	either kick or SJB, black 26 pin plug (E), pin 3 or 8
Power Unlock	dk. blue/lt. grn (driv sw) or yellow/red (pass sw)	-	either kick or SJB, black 26 pin plug (E), pin 1 or 5
Lock Motor	red/orange	5 wire	driver kick or SJB, black 5 pin plug (G), pin 3
Unlock Motor	yellow	5 wire	driver kick or SJB, black 5 pin plug (G), pin 1
Disarm Defeat	lt. blue	5 wire	passenger kick or SJB, gray 36 pin plug (H), pin 14
Parking Lights (+)	SJB controls each light separately, use negative		
Parking Lights (-)	black/lt. green	-	headlight switch or SJB, blue 52 pin plug (B), pin 31
Hazards	red/white	-	hazard switch or SJB, blue 52 pin plug (B), pin 24
Turn Signal (Left)	SJB controls each light separately, use hazards		
Turn Signal (Right)	SJB controls each light separately, use hazards		

Wiring Information (Continued)

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

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 switch 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), black (ground)	-	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/org - pur/org (function with ign on only)	-	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	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. green - lt. blue/white	+,-	radio harness
Right Front Speaker (+/-)	white/lt. green - dk. green/orange	+,-	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			

DirectWire Vehicle Satellite Radio Ground	Information - 5/27/2014 2:47:11 AM		
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

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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			

Additional Wiring Notes

Item	Note
Data Bus	The PATS (Passive Anti-Theft System) Transceiver is around the ignition switch. The PATS ignition is red/yellow in pin 1, and ground is black in pin 2.
Trunk Alarm Shunt	The SJB (Smart Junction Box) is in the passenger kick panel.
12 Volts	The SJB (Smart Junction Box) is in the passenger kick panel.
Right Front Door Trigger	The SJB (Smart Junction Box) is in the passenger kick panel.
Sun Roof (Limit/Close)	The SJB (Smart Junction Box) is in the passenger kick panel.
Power Lock	The SJB (Smart Junction Box) is in the passenger kick panel.
Power Unlock	The SJB (Smart Junction Box) is in the passenger kick panel.
Lock Motor	The SJB (Smart Junction Box) is in the passenger kick panel.
Driver Unlock Motor	The SJB (Smart Junction Box) is in the passenger kick panel.
Passenger Unlock Motor	The SJB (Smart Junction Box) is in the passenger kick panel.
Parking Lights (-)	The SJB (Smart Junction Box) is in the passenger kick panel.
Hazards	The SJB (Smart Junction Box) is in the passenger kick panel.
Headlight	The SJB (Smart Junction Box) is in the passenger kick panel.
Reverse Light	The SJB (Smart Junction Box) is in the passenger kick panel.
Dome Supervision	The SJB (Smart Junction Box) is in the passenger kick panel.
Trunk/Hatch Pin	The SJB (Smart Junction Box) is in the passenger kick panel.
Hood Pin	The SJB (Smart Junction Box) is in the passenger kick panel.
Trunk Hatch/Release	The SJB (Smart Junction Box) is in the passenger kick panel.
Factory Alarm Arm	The SJB (Smart Junction Box) is in the passenger kick panel.
Factory Alarm Disarm	The SJB (Smart Junction Box) is in the passenger kick panel.
Brake Wire	The SJB (Smart Junction Box) is in the passenger kick panel.
Parking Brake	The SJB (Smart Junction Box) is in the passenger kick panel.
Horn Trigger	The SJB (Smart Junction Box) is in the passenger kick panel.
Sun Roof (Open/Close)	The SJB (Smart Junction Box) is in the passenger kick panel.
Left Front Door Trigger	The SJB (Smart Junction Box) is in the passenger kick panel.
Speed Sense	The PCM (Powertrain Control Module) is in the front passenger side of the engine compartment.