# 1989 Ferrari 328 GTS





#### Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Wile Coloi	Folarity	Wife Location
Second 12 Volts			
Starter	white/black		ignition harness
Second Starter			.g
Ignition	yellow/black		ignition harness
Second Ignition	·		
Third Ignition			
Accessory			
Second Accessory			
Third Accessory			
Key Sense			
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	white/black	-	at driver kick harness
Power Unlock	blue/red	-	at driver kick harness
Lock Motor			
Unlock Motor			
Disarm Defeat			
Parking Lights (+)	yellow/gray		passenger floorboard
Parking Lights (-)			
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

#### DirectWire Vehicle Information - 2/26/2014 6:07:26 AM

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight			
AutoLights			
Reverse Light			
Left Front Door Trigger	red/black	-	at switch
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision			
Trunk/Hatch Pin			
Rear Glass Pin			
Hood Pin			
Trunk Hatch/Release			
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm			
Factory Alarm Disarm			
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer			
Wait to Start			
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

## Wiring Information (Continued)

Speed Sense   Brake Wire   Brake Wire   Brake Wire   Brake Wire   Brake   Br	ltom	Wire Color	Dolority	Wire Leastien
Brake Wire   Parking Brake   Parking Brake   Purple/black   Steering column	Item	Wire Color	Polarity	Wire Location
Parking Brake Horn Trigger  Wipers  Left Front Window (Up/Down)  Right Front Window (Up/Down)  Right Rear Window (Up/Down)  Sun Roof (Open/Close)  Sun Roof (Limit/Close)  Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Ignition  Radio Illumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Front Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Video (+/-)  RSE Video (+/-)  Radio Ground  Radio Conund  Radio Ignition  Radioullumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Left Rear Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  RSE Video (+/-)  RSE Audio Input Right (+/-)  RSE Audio Right (+/-)  RSE Audio Right (+/-)  Satellite Radio 12 Volts  Satellite Radio Ground  Satellite Radio Ground  Satellite Radio Ignition  Satellite Radio Antenna  Satellite Radio Left (+/-)	-			
Horn Trigger				
Wipers         Left Front Window (Up/Down)           Left Rear Window (Up/Down)         Left Rear Window (Up/Down)           Right Rear Window (Up/Down)         Sun Roof (Open/Close)           Sun Roof (Limit/Close)         Memory Seat 1           Memory Seat 2         Memory Seat 3           Radio 12V         Radio Ground           Radio Ignition         Radio Illumination           Factory Amp Turn-on         Power Antenna           Power Antenna         Power Antenna           Right Front Speaker (+/-)         Right Front Speaker (+/-)           Right Rear Speaker (+/-)         Right Rear Speaker (+/-)           Right Rear Speaker (+/-)         Round on the Right (+/-)           Aux. Audio Input Left (+/-)         Aux. Audio Input Right (+/-)           RSE Video (+/-)         RSE Video (+/-)           RSE Audio Right (+/-)         RSE Audio Right (+/-)           Satellite Radio Ground         Satellite Radio Ignition           Satellite Radio Ignition         Satellite Radio Antenna           Satellite Audio Left (+/-)         Satellite Audio Left (+/-)				
Left Front Window (Up/Down)  Right Front Window (Up/Down)  Left Rear Window (Up/Down)  Sun Roof (Open/Close)  Sun Roof (Limit/Close)  Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Ignition  Radio Illumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Rear Speaker (+/-)  Ri		purple/black	-	steering column
Right Front Window (Up/Down)  Left Rear Window (Up/Down)  Right Rear Window (Up/Down)  Sun Roof (Open/Close)  Sun Roof (Limit/Close)  Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Ignition  Radio Illumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Front Speaker (+/-)  Right Rear Speaker (+/-)  Right Rear Speaker (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Video (+/-)  RSE Audio Left (+/-)  Ratellite Radio Ground  Satellite Radio Ignition  Satellite Radio Intenna	-			
Left Rear Window (Up/Down)           Sun Roof (Open/Close)           Sun Roof (Limit/Close)           Memory Seat 1           Memory Seat 2           Memory Seat 3           Radio 12V           Radio 12V           Radio Ignition           Radio Illumination           Factory Amp Turn-on           Power Antenna           Left Front Speaker (+/-)           Right Front Speaker (+/-)           Left Rear Speaker (+/-)           Center Channel (+/-)           Subwoofer (+/-)           Aux. Audio Input Left (+/-)           Aux. Audio Input Right (+/-)           RSE Audio Left (+/-)           RSE Audio Right (+/-)           Satellite Radio 12 Volts           Satellite Radio Ignition           Satellite Radio Antenna           Satellite Audio Left (+/-)				
Right Rear Window (Up/Down)  Sun Roof (Open/Close)  Sun Roof (Limit/Close)  Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio lighition  Radio lillumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Front Speaker (+/-)  Right Rear Speaker (+/-)  Right Rear Speaker (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Left (+/-)  RSE Video (+/-)  RSE Audio Left (+/-)  RSE Audio Right (+/-)  Satellite Radio Ground  Satellite Radio Ignition  Satellite Radio Inntena  Satellite Radio Antenna  Satellite Radio Left (+/-)				
Sun Roof (Den/Close)  Sun Roof (Limit/Close)  Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Illumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Front Speaker (+/-)  Right Rear Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Audio Right (+/-)  RSE Audio Right (+/-)  Satellite Radio Ground  Satellite Radio Ignition  Satellite Radio Antenna  Satellite Radio Antenna  Satellite Radio Antenna  Satellite Radio Antenna  Satellite Radio Left (+/-)				
Sun Roof (Limit/Close)  Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Ignition  Radio Illumination Factory Amp Turn-on Power Antenna  Left Front Speaker (+/-) Right Front Speaker (+/-)  Right Rear Speaker (+/-)  Right Rear Speaker (+/-)  Round In				
Memory Seat 1  Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Ignition  Radio Illumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Front Speaker (+/-)  Left Rear Speaker (+/-)  Right Rear Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Video (+/-)  RSE Audio Left (+/-)  RSE Audio Right (+/-)  Satellite Radio Ground  Satellite Radio Ignition  Satellite Radio Antenna  Satellite Radio Antenna  Satellite Radio Left (+/-)	Sun Roof (Open/Close)			
Memory Seat 2  Memory Seat 3  Radio 12V  Radio Ground  Radio Ignition  Radio Illumination  Factory Amp Turn-on  Power Antenna  Left Front Speaker (+/-)  Right Front Speaker (+/-)  Left Rear Speaker (+/-)  Right Rear Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Video (+/-)  RSE Audio Left (+/-)  RSE Audio Right (+/-)  RSE Audio Right (+/-)  Satellite Radio Ground  Satellite Radio Ignition  Satellite Radio Antenna  Satellite Radio Antenna  Satellite Radio Antenna  Satellite Radio Left (+/-)	Sun Roof (Limit/Close)			
Memory Seat 3         Radio 12V         Radio Ground         Radio Illumination         Factory Amp Turn-on         Power Antenna         Left Front Speaker (+/-)         Right Front Speaker (+/-)         Left Rear Speaker (+/-)         Right Rear Speaker (+/-)         Center Channel (+/-)         Subwoofer (+/-)         Aux. Audio Input Left (+/-)         Aux. Audio Input Right (+/-)         RSE Video (+/-)         RSE Audio Left (+/-)         Sate Audio Right (+/-)         Satellite Radio 12 Volts         Satellite Radio Ignition         Satellite Radio Antenna         Satellite Audio Left (+/-)	Memory Seat 1			
Radio Ground Radio Ignition Radio Illumination Factory Amp Turn-on Power Antenna Left Front Speaker (+/-) Right Front Speaker (+/-) Right Rear Speaker (+/-) Roubwoofer (+/-) Aux. Audio Input Left (+/-) Aux. Audio Input Right (+/-) RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Right (+/-) Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Radio Audio Left (+/-)	Memory Seat 2			
Radio Ground Radio Ignition Radio Illumination Factory Amp Turn-on Power Antenna Left Front Speaker (+/-) Right Front Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-) Center Channel (+/-) Subwoofer (+/-) Aux. Audio Input Left (+/-) Aux. Audio Input Right (+/-) RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Right (+/-) RSE Audio Right (+/-) Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Radio Left (+/-)	Memory Seat 3			
Radio Ignition Radio Illumination Factory Amp Turn-on Power Antenna Left Front Speaker (+/-) Right Front Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-) Center Channel (+/-) Subwoofer (+/-) Aux. Audio Input Left (+/-) Aux. Audio Input Right (+/-) RSE Video (+/-) RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Right (+/-) Satellite Radio 12 Volts Satellite Radio Ignition Satellite Radio Antenna Satellite Radio Audio Left (+/-)	Radio 12V			
Radio Illumination Factory Amp Turn-on Power Antenna Left Front Speaker (+/-) Right Front Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-) Center Channel (+/-) Subwoofer (+/-) Aux. Audio Input Left (+/-) Aux. Audio Input Right (+/-) RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Left (+/-) Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ingintion Satellite Radio Antenna Satellite Audio Left (+/-)	Radio Ground			
Factory Amp Turn-on Power Antenna Left Front Speaker (+/-) Right Front Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-) Center Channel (+/-) Subwoofer (+/-) Aux. Audio Input Left (+/-) Aux. Audio Input Right (+/-) RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Left (+/-) RSE Audio Right (+/-) Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Antenna Satellite Audio Left (+/-)	Radio Ignition			
Power Antenna Left Front Speaker (+/-) Right Front Speaker (+/-) Left Rear Speaker (+/-) Left Rear Speaker (+/-) Right Rear Speaker (+/-)  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 Ignition Satellite Radio Antenna Satellite Audio Left (+/-)	Radio Illumination			
Left Front Speaker (+/-)  Right Front Speaker (+/-)  Left Rear Speaker (+/-)  Right Rear Speaker (+/-)  Center Channel (+/-)  Subwoofer (+/-)  Aux. Audio Input Left (+/-)  Aux. Audio Input Right (+/-)  RSE Video (+/-)  RSE Audio Left (+/-)  RSE Audio Right (+/-)  Satellite Radio Ground  Satellite Radio Ignition  Satellite Radio Antenna  Satellite Audio Left (+/-)	Factory Amp Turn-on			
Right Front Speaker (+/-)  Left Rear Speaker (+/-)  Right Rear Speaker (+/-)  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 Inpution  Satellite Radio Antenna  Satellite Audio Left (+/-)	Power Antenna			
Left Rear Speaker (+/-)  Right Rear Speaker (+/-)  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 (+/-)	Left Front Speaker (+/-)			
Right Rear Speaker (+/-)  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 (+/-)	Right Front Speaker (+/-)			
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 (+/-)	Left Rear Speaker (+/-)			
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 (+/-)	Right Rear Speaker (+/-)			
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 (+/-)	Center Channel (+/-)			
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 (+/-)	Subwoofer (+/-)			
RSE Video (+/-) RSE Audio Left (+/-) RSE Audio Right (+/-) Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)	Aux. Audio Input Left (+/-)			
RSE Audio Left (+/-) RSE Audio Right (+/-) Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)	Aux. Audio Input Right (+/-)			
RSE Audio Right (+/-) Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)	RSE Video (+/-)			
RSE Audio Right (+/-) Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)				
Satellite Radio 12 Volts Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)				
Satellite Radio Ground Satellite Radio Ignition Satellite Radio Antenna Satellite Audio Left (+/-)				
Satellite Radio Ignition  Satellite Radio Antenna  Satellite Audio Left (+/-)				
Satellite Radio Antenna Satellite Audio Left (+/-)				
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			