

A

B

C

D

A

B

C

D

AVIC-D3 RCA cable connector
Layout from wire side

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24

AVIC-D3 Power cable connector
Layout from wire side

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16

AVIC-D3 RCA Connector

1	Rearview Camera input		
2	Rear Monitor output		
3		n/c	
4	AV-1 Video input		
5		n/c	
6	AV-1 Left input		
7		n/c	
8	AV-1 Right input		
9		n/c	
10	Left Subwoofer		
11		n/c	
12	Right Subwoofer		
13	Blue/White Power Amp Trigger output		
14	Left Rear		
15			
16	Right Rear		
17			
18	Left Front		
19			
20	Right Front		
21			
22	n/c		
23	n/c		
24	Yellow/Black Special Bypass Function	Yellow/Black	Violet

AVIC-D3 Power Connector

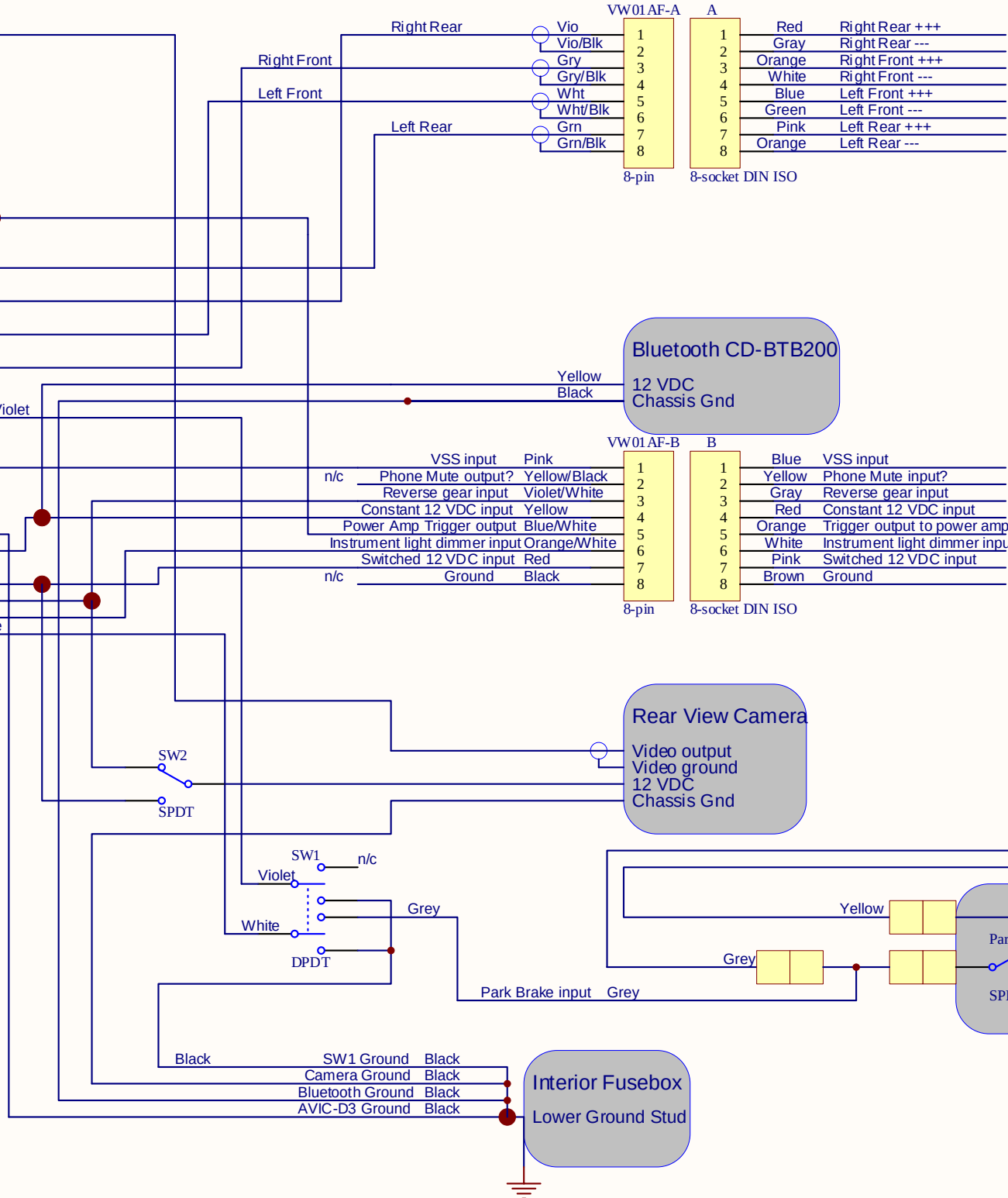
1	Black	Chassis Ground	
2	Yellow	Constant 12 VDC input	
3	Blue	Antenna Trigger output	
4	Red	Switched 12 VDC input	
5	Violet/White	Reverse gear input	
6	Orange/White	Instrument light dimmer input	
7	Light Green	Park Brake input	
8	Pink	VSS input	
9	Wht/Blk	Left Front ---	n/c
10	Grn/Blk	Left Rear ---	n/c
11	Wht	Left Front +++	n/c
12	Grn	Left Rear +++	n/c
13	Gry/Blk	Right Front ---	n/c
14	Vio/Blk	Right Rear ---	n/c
15	Gry	Right Front +++	n/c
16	Vio	Right Rear +++	n/c

Additional notes:

Emergency Safety Bypass:
DON'T DO IT!!! BYPASSING THE D3 SAFETY FEATURES WILL CREATE DANGEROUS SITUATIONS WHICH MAY RESULT IN YOU CAUSING THE DEATH OR INJURY OF INNOCENT PEOPLE. IT IS ALSO PROBABLY ILLEGAL WHERE YOU ARE DRIVING. DON'T BE AN IDIOT!!!
That said, if you still want to wire it up here's how:
On the RCA connector, pull the pin of the Yellow/Black wire out of position 23 and re-insert into position 24. In position 23 it was the "Audio Mute" lead. In position 24, it becomes the "Special Bypass Function" lead.
SW1 in this diagram is the "Emergency Safety Bypass" switch.
The UP position provides normal LEGAL operation using parking brake signal.
The DOWN position grounds both RCA-24 and Power-7 signals to bypass safety features IN EMEREGENCIES ONLY!!!

Camera Power:
Some cameras are not intended to be powered continuously so SW2 allows you to either have the Camera powered by the vehicle's reverse signal (this may not work for some) or powered whenever the ignition switch is ON.
SW2: Rear View Camera Power
The UP position applies 12 VDC to the camera only when in reverse gear.
The DOWN position applies switched 12 VDC to camera power.

Connector pinouts: None of the connectors here actually had pin numbers labeled, so the numbering scheme is somewhat arbitrary (as shown above in the wire side drawing).



Unshielded twisted pairs to existing Bose amp

into ML430 wiring harness

into ML430 wiring harness

Park brake appears to be a SPDT switch pulled to 12 VDC by the Yellow line when the Park brake is OFF or grounded when the Park brake is ON.

Note that it will only be pulled to 12 VDC when the ignition is in the 2 position. With the key in the accessory position, the signal will always be at ground.

Title		
Pioneer AVIC-D3 for 2000 Mercedes ML430		
Size	Number	Revision
B		
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