



Ford Coyote Ti-VCT Harness 558-124 & 558-125

This wiring harness interfaces a Holley EFI ECU to a Ford Coyote engine that will utilize the Holley Ti-VCT cam controller (554-145). It is meant to be used in conjunction with a 558-110 or 558-122 Coyote Main Harness.

INSTALLATION:

1. The main harness was designed to have a main junction point behind the engine. It is recommended to drape the harness over the engine starting with this point and then start plugging in sensors.
2. The cam phasers at the front of the engine vary based on the model year of the engine and are the difference between the 558-124 and 558-125 harness.

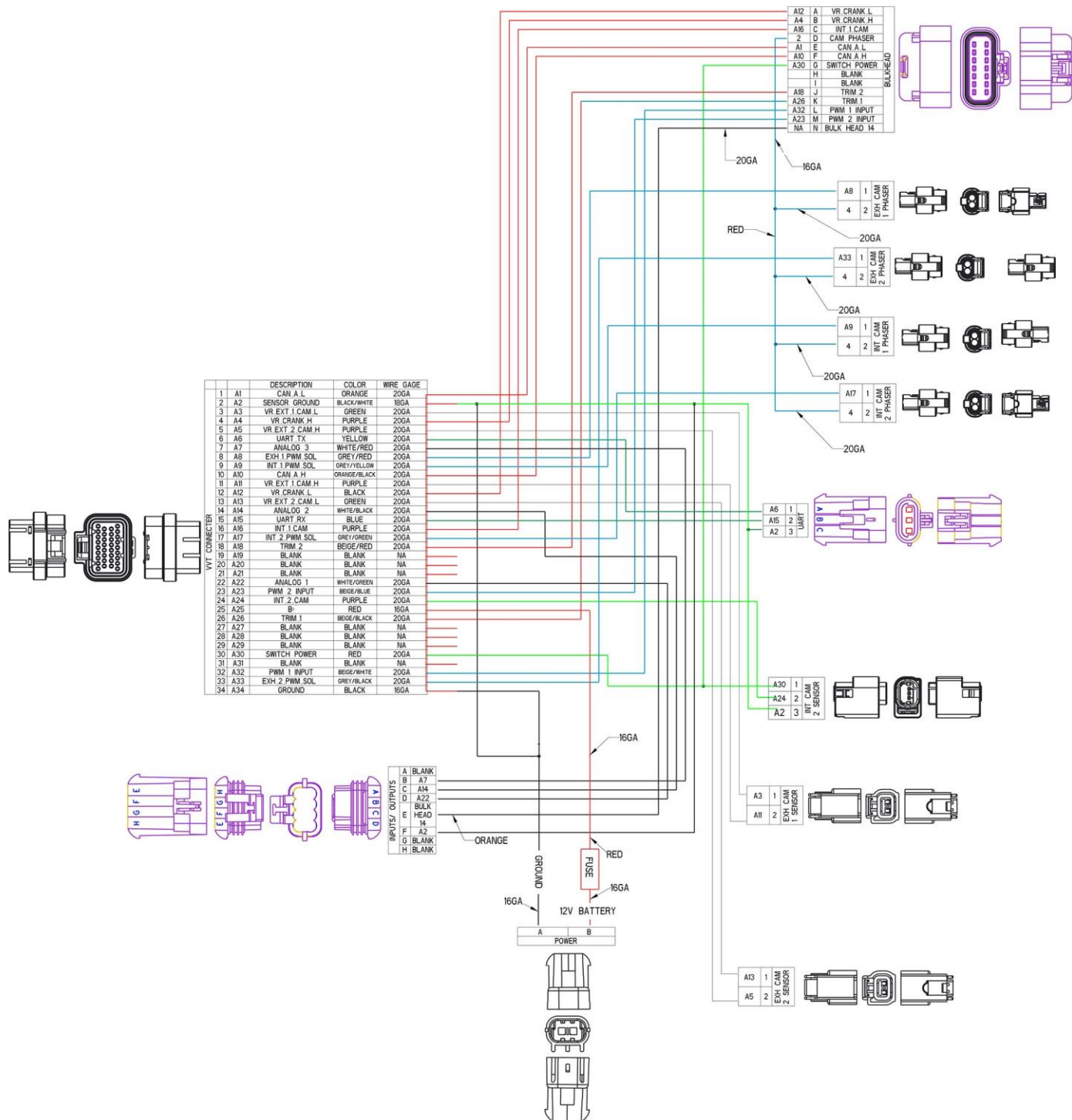


EARLY – 558-124

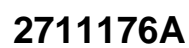


LATE – 558-125

3. There are three cam sensor connectors on the harness which correspond to the cam sensors on the back of each head. The passenger side intake cam connector is not included in this harness as it is plugged into the 558-110 or 558-122 main harness.
4. The “Power” connector is designed to be plugged directly into a 558-319 power harness without modification.
5. The “bulkhead” connector plugs into the “VVT” connector on either the 558-110 or 558-122 Coyote main harness.
6. There are two additional connectors that are not used and should remain capped.
 - The UART connector is meant for reflashing the Holley Ti-VCT Controller should an update ever be needed.
 - The Inputs/Outputs connector is for future expansion and is not currently used.



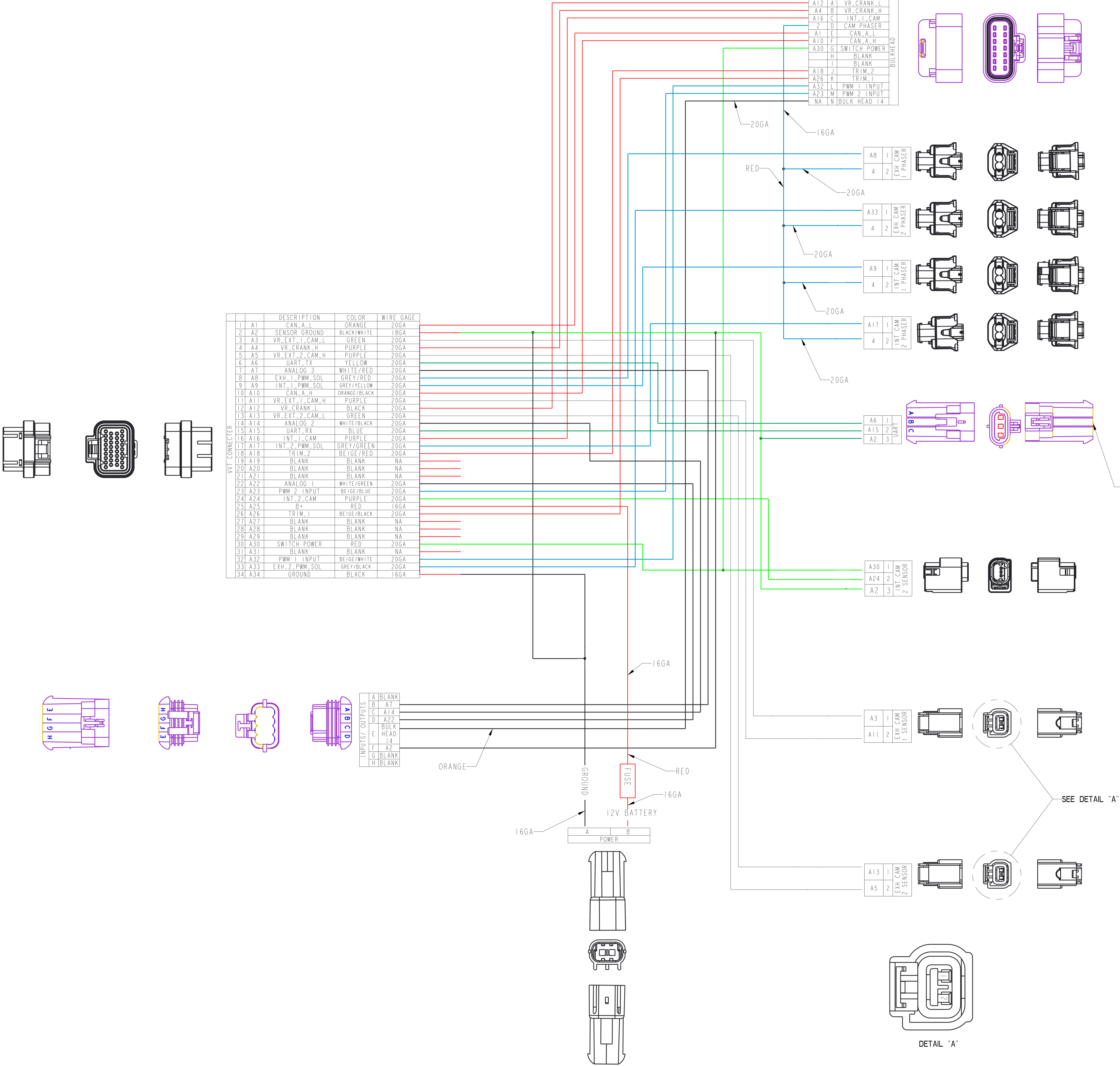
271R1175A



Holley Technical Support
1801 Russellville Road
Bowling Green, KY 42101
1-866-464-6553
www.holley.com

© 2017 Holley Performance Products, Inc. All rights reserved.

199R11431
Date: 10-31-17



		DESCRIPTION	COLOR	WIRE GAGE
1	A1	CAN_A_L	ORANGE	20GA
2	A2	SENSOR GROUND	BLACK/WHITE	18GA
3	A3	VR_EXT_1_CAM_L	GREEN	20GA
4	A4	VR_CRANK_H	PURPLE	20GA
5	A5	VR_EXT_2_CAM_H	PURPLE	20GA
6	A6	UART_TX	YELLOW	20GA
7	A7	ANALOG_3	WHITE/RED	20GA
8	A8	EXH_1_PWM_SOL	GREY/RED	20GA
9	A9	INT_1_PWM_SOL	GREY/YELLOW	20GA
10	A10	CAN_A_H	ORANGE/BLACK	20GA
11	A11	VR_EXT_1_CAM_H	PURPLE	20GA
12	A12	VR_CRANK_L	BLACK	20GA
13	A13	VR_EXT_2_CAM_L	GREEN	20GA
14	A14	ANALOG_2	WHITE/BLACK	20GA
15	A15	UART_RX	BLUE	20GA
16	A16	INT_1_CAM	PURPLE	20GA
17	A17	INT_2_PWM_SOL	GREY/GREEN	20GA
18	A18	TRIM_2	BEIGE/RED	20GA
19	A19	BLANK	BLANK	NA
20	A20	BLANK	BLANK	NA
21	A21	BLANK	BLANK	NA
22	A22	ANALOG_1	WHITE/GREEN	20GA
23	A23	PWM_2_INPUT	BEIGE/BLUE	20GA
24	A24	INT_2_CAM	PURPLE	20GA
25	A25	B+	RED	16GA
26	A26	TRIM_1	BEIGE/BLACK	20GA
27	A27	BLANK	BLANK	NA
28	A28	BLANK	BLANK	NA
29	A29	BLANK	BLANK	NA
30	A30	SWITCH_POWER	RED	20GA
31	A31	BLANK	BLANK	NA
32	A32	PWM_1_INPUT	BEIGE/WHITE	20GA
33	A33	EXH_2_PWM_SOL	GREY/BLACK	20GA
34	A34	GROUND	BLACK	16GA

A12	A	VR_CRANK_L
A4	B	VR_CRANK_H
A16	C	INT_1_CAM
2	D	CAM PHASER
A1	E	CAN_A_L
A10	F	CAN_A_H
A30	G	SWITCH_POWER
H		BLANK
I		BLANK
A18	J	TRIM_2
A26	K	TRIM_1
A32	L	PWM_1_INPUT
A23	M	PWM_2_INPUT
NA	N	BULK HEAD 14

A8	1	EXH CAM 1 PHASER
4	2	

A33	1	EXH CAM 2 PHASER
4	2	

A9	1	INT CAM 1 PHASER
4	2	

A17	1	INT CAM 2 PHASER
4	2	

A6	1	UART
A15	2	
A2	3	

A30	1	INT CAM 2 SENSOR
A24	2	
A2	3	

A3	1	EXH CAM 1 SENSOR
A11	2	

A13	1	EXH CAM 2 SENSOR
A5	2	

A	BLANK
B	A7
C	A14
D	A22
E	BULK HEAD 14
F	A2
G	BLANK
H	BLANK

DETAIL "A"