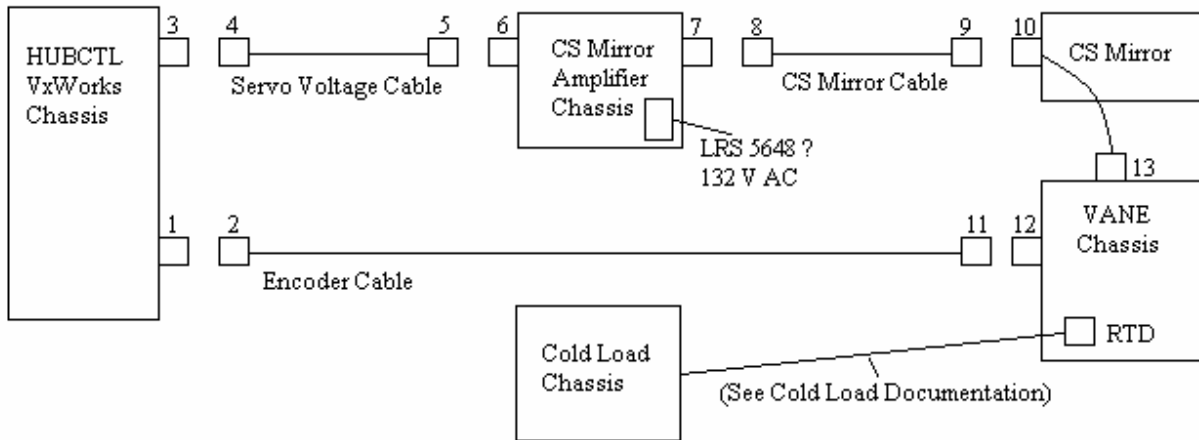


Vane Cable Diagram



Connector 1	Pin #	Wire Color	Block Connection
PT02-16-26S			
A	A	Black	29
A'	B	Brown	28
B	C	Red	31
B'	D	Orange	30
Z	E	Yellow	33
Z'	F	Green	32
+5V	G	Blue	26
GND	H	Violet	49
Position Switch	J	Red	48
Position Switch GND	K	Black	47
Clockwise Limit Input	L	Grey	34
Clockwise Limit Input GND	M	White	35
Counter Clockwise Limit In	N	Grey	36
Counter Clockwise Limit In GND	P	White	37
Motor Enable	R	Red	42
N/C	S		
Spare GND	T	Black	43

Connector 2	Pin #	Wire Color
PT06-16-26P		
A	A	Brown
A'	B	Black
B	C	Red
B'	D	Black
Z	E	Orange
Z'	F	Black
+5V	G	Yellow
GND	H	Black
Position Switch	J	Green
Position Switch GND	K	Black
Clockwise Limit Input	L	Blue
Clockwise Limit Input GND	M	Black
Counter Clockwise Limit In	N	White
Counter Clockwise Limit In GND	P	Black
Motor Enable	R	Red
N/C	S	
Spare GND	T	White

Connector 3	Pin #	Wire Color	Block Connection
PT02-8-3P			
Shield – GND	A	Shield to GND	41
Servo Voltage	B	Black	44
Servo Voltage	C	Red	45

Connector 4	Pin #	Wire Color
PT06-8-3S		
Shield	A	Shield
Servo Voltage	B	Black
Servo Voltage	C	Red

Connector 5	Pin #	Wire Color
PT06-8-3S		
Shield	A	Shield
Servo Voltage	B	Black
Servo Voltage	C	Red

Connector 6	Pin #	Wire Color
PT02-8-3P		
Shield	A	Shield
Servo Voltage	B	Black
Servo Voltage	C	Red

Connector 7	Pin #	Wire Color
PT02-20-16S		
Vane Servo Voltage	A	Black
Vane Servo Voltage	B	White

Connector 8	Pin #	Wire Color
PT06-20-16P		
Vane Servo Voltage	A	Black One
Vane Servo Voltage	B	White One

Connector 9	Pin #	Wire Color
PT06-20-16S		
Vane Servo Voltage	A	Black One
Vane Servo Voltage	B	White One

Connector 10	Pin #	Wire Color
PT02-20-16P		
Vane Servo Voltage	A	Black
Vane Servo Voltage	B	Brown

Connector 11	Pin #	Wire Color
PT02-16-26P		
A	A	Brown
A'	B	Black
B	C	Red
B'	D	Black
Z	E	Orange
Z'	F	Black
+5V	G	Yellow
GND	H	Black
Position Switch	J	Green
Position Switch GND	K	Black
Clockwise Limit Input	L	Blue
Clockwise Limit Input GND	M	Black
Counter Clockwise Limit In	N	White
Counter Clockwise Limit In GND	P	Black
Motor Enable	R	Red
N/C	S	
Spare GND	T	White

Connector 12	Pin #	Wire Color
PT06-16-26S		
A	A	Brown
A'	B	Green
B	C	Grey
B'	D	Pink
Z	E	Red
Z'	F	Black
+5V	G	Brown/Green
GND	H	White/Green
N/C	J	
N/C	K	
N/C	L	
N/C	M	
N/C	N	
N/C	P	
N/C	R	
N/C	S	
N/C	T	

Connector 13a	Pin #	Wire Color
PT06-14-5P		
Vane Servo Voltage	A	Black
Vane Servo Voltage	B	Brown
N/C	C	Orange
N/C	D	Red
Cable Shield	E	Green
N/C	N/C	Yellow

Connector 13b	Pin #	Wire Color
PT02-14-5S		
Vane Servo Voltage	A	Red
Vane Servo Voltage	B	Black
N/C	C	
N/C	D	
N/C	E	

Note: Only one motor is connected in the system. A spare motor is installed and just needs to be wired up should it be necessary. There are also spare conductors in the cable.