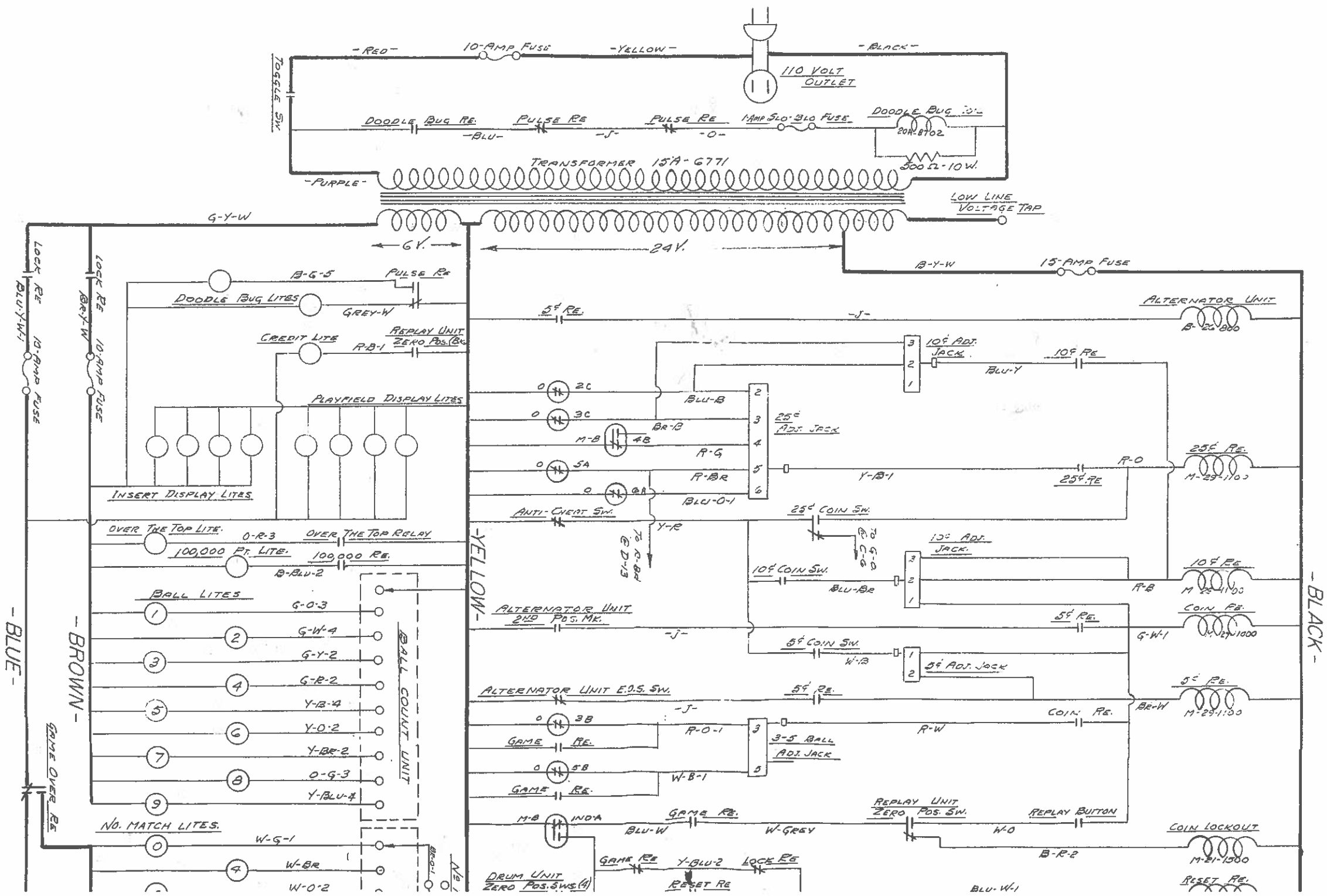


**Williams**  
ELECTRONICS INC.  
3401 No. California Avenue  
Chicago 60618 Illinois

**DOODLE  
BUG**

390



2  
3  
4

-BLUE-

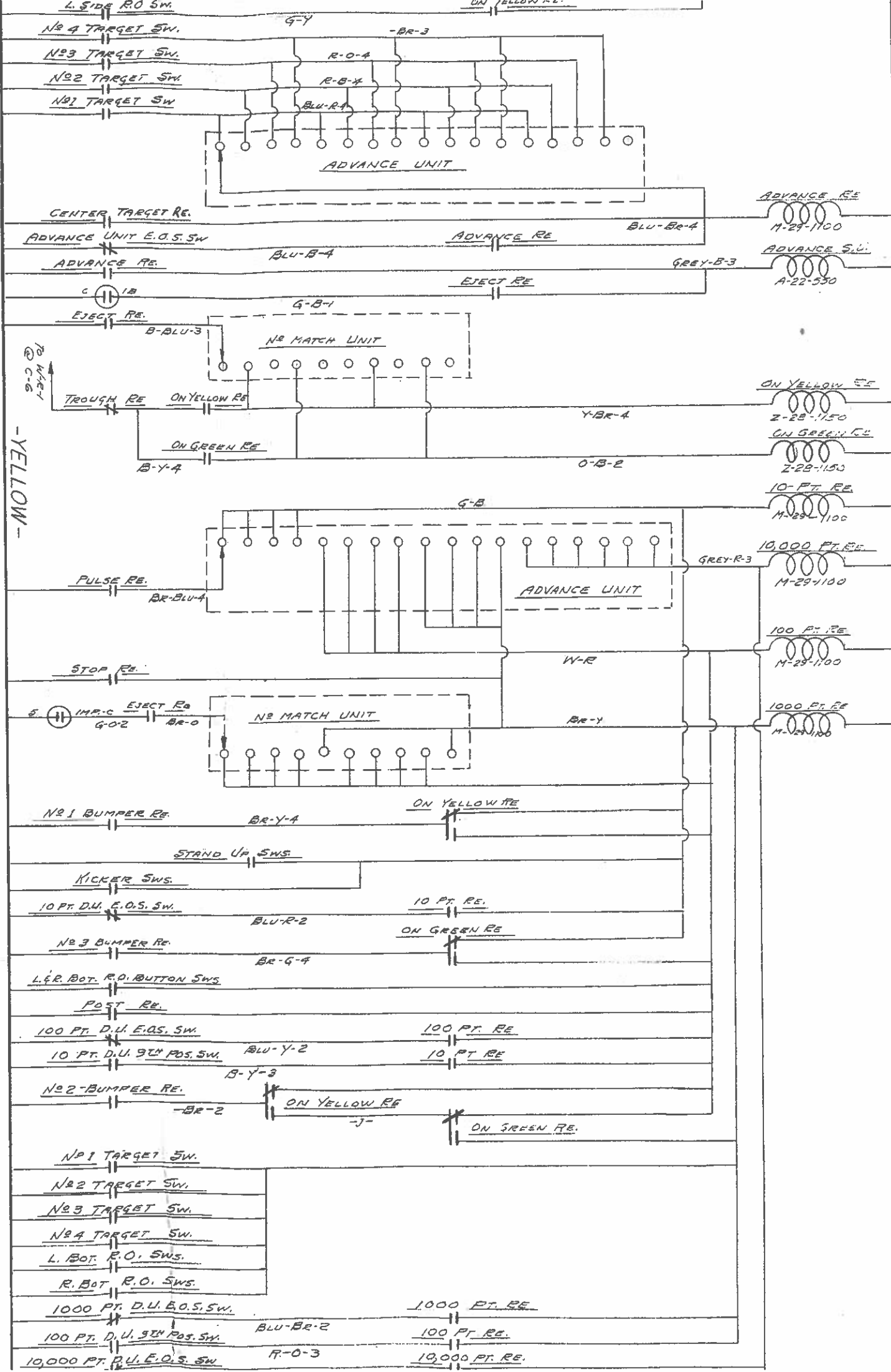
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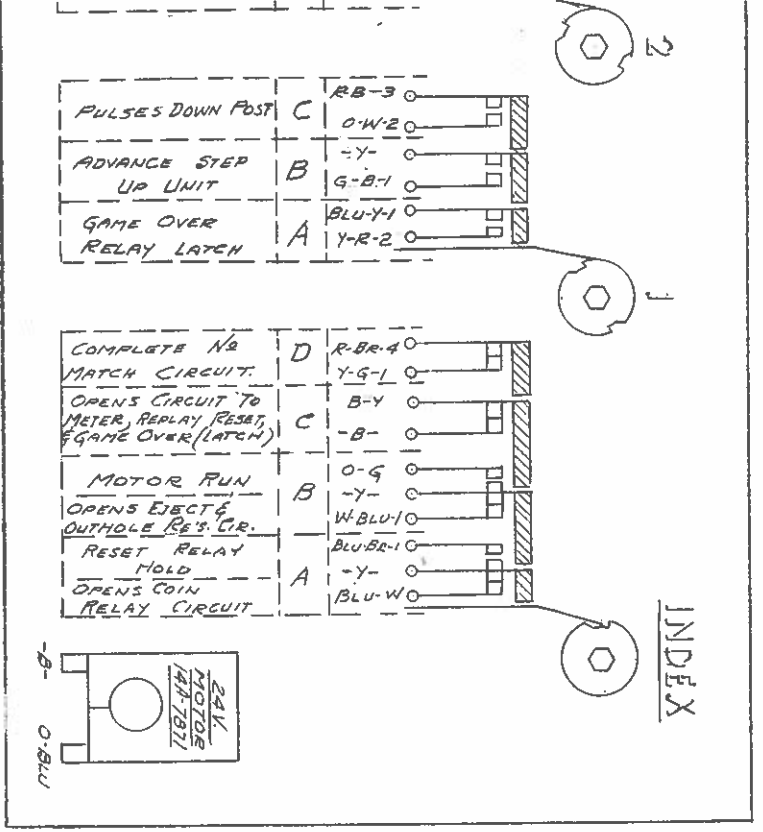








-YELLOW-



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COIL LOCATION

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Coil Location	Coil Location
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F-18	R BALL COUNT UNIT
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F-18	R BALL COUNT UNIT
F-18	R BALL RELEASE
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F-18	R CHINE
F-18	R COIN LOCKOUT
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F-18	R L. BOT. JET BUMPER
F-18	R L. FLIPPER
F-18	R L. KICKER
F-18	R L. TOP/JET BUMPER
F-18	R REPLAY RESET
F-18	R REPLAY SW.
F-18	R R. BOT. JET BUMPER
F-18	R R. FLIPPER

ABBREVIATIONS USED		SWITCH SYMBOLS	
ADJ - Adjustment	IMP - Impulse	R - Right	Normally Open Switch Closed When Energized
ADV - Advance	IND - Index	RE - Relay	
AMP - Advance	L - Left	RO - Roll Over	Normally Closed Switch Open When Energized
BOT - Bottom	N - No Motor - Break	S.U. - Step Up	
CENT - Center	NR - No Motor	SW - Switch	Switch Contained within A Circle Indicates Operation By A Motor Coil.
D.U. - Drum Unit	POS - Position	SWS - Switches	
E.O.S. - End of Stroke	PR - Pulling	NS - Number	None - Break Switch
	RA - Roping		

EXAMPLE: W-R INDICATES WHITE WIRE WITH A RED TRACER.

