

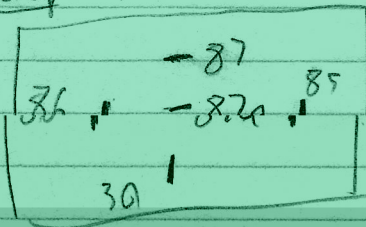
RD400 Wiring

LIGHTS / ARDUINO

Inputs) 4-core [1] → BLK: Gnd, WHt: High Beam PB (active low to GND), RED: RT, YEL: LT
 Outputs) 4-core [2] → BLK: +12V, WHt: High Beam (-), RED: RT(-), YEL: LTC(-)

Brake: Black to battery (-), Red to brake, yellow to +12V

Relay

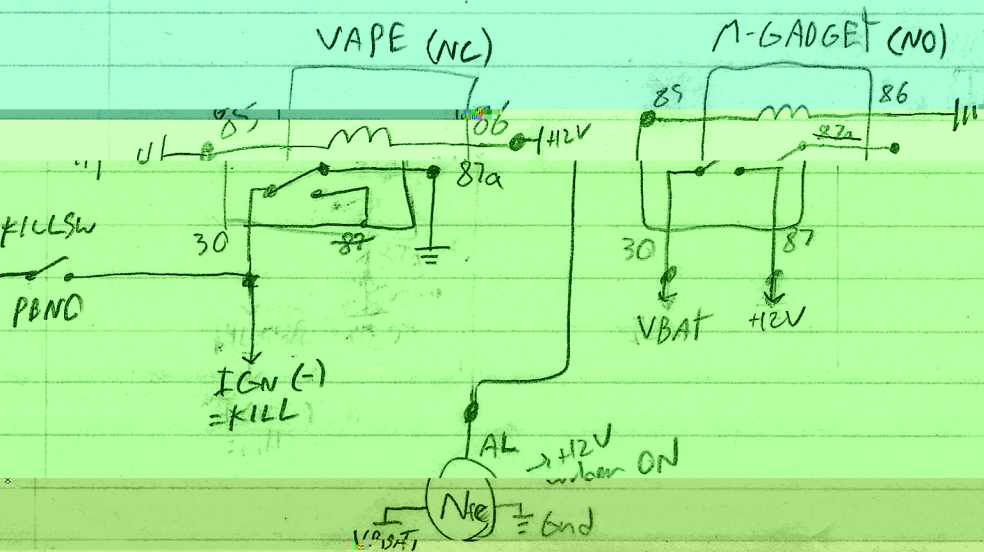


85/86 → coil
 30 → COMMON
 87 → NO contact
 87a → NC contact

30 / Blue → Ground to ignition coils (Black / Blue)
 86/87 / Brown → Battery Ground
 85 / Black → Power switch +12V (switching)

Stator

Black pair → 90VAC to RR
 Red/Yel/Wht → coils, same colors



Option A: (simplest)

1 killswitch, 1 relay

relays → lights
 killswitch → coils

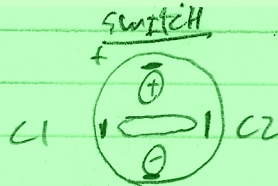
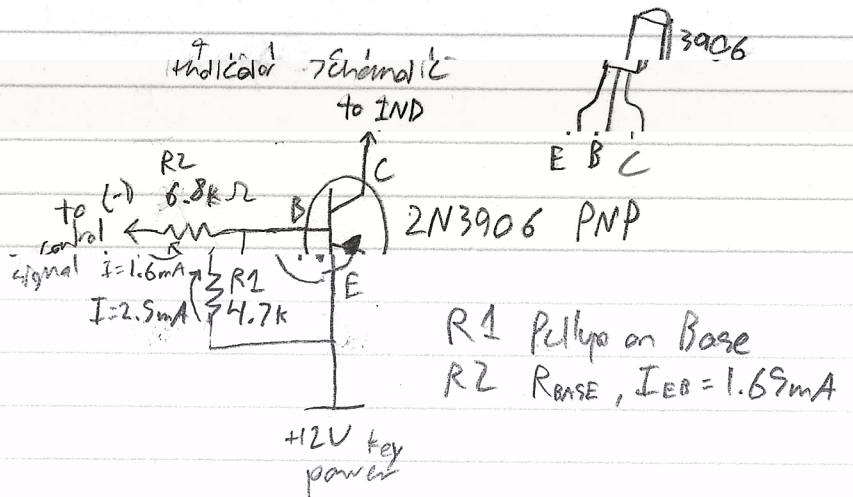
Option B:

1 kill PBNC, 2 relays

Group Cluster

Red → Vbat +12V (clock)
 Brown → Key +12V power
 Black → GND
 Orange → L Turn (-)
 Blue → R Turn (-)
 Yellow → HB Ind (-)
 White → Horn Ind (-)
 Gray → Oil Ind (+/-)

Bores



LED(?)	" "		" "		SWITCH PIN	1	2	3	4
	①	②	③	④	+	+12V	+12V (right)	+12V (L)	+12V
ITCH	TS/L	HORN	HT/R	TS/R	-	LT SW	Spore LED	DR/EN	RT SW
Active	LOW	LOW	LOW	LOW	C1	GND (center R)	+12V	GND	GND
Active	LOW	HIGH	LOW	LOW	C2	LT SW	Horn SW	HB SW	RT SW

Arduino Box



4-core wires?

1

Black: GND

White: Brights In

Red: Right Turn In

Yellow: Left Turn In

2

Black: +12V

White: Brights Out

Red: Right Turn Out

Yellow: Left Turn Out

outputs
+12V



→ ALL IC is Active Low!!

Horn



Inputs

Left Arrow Input

Right Arrow

GND