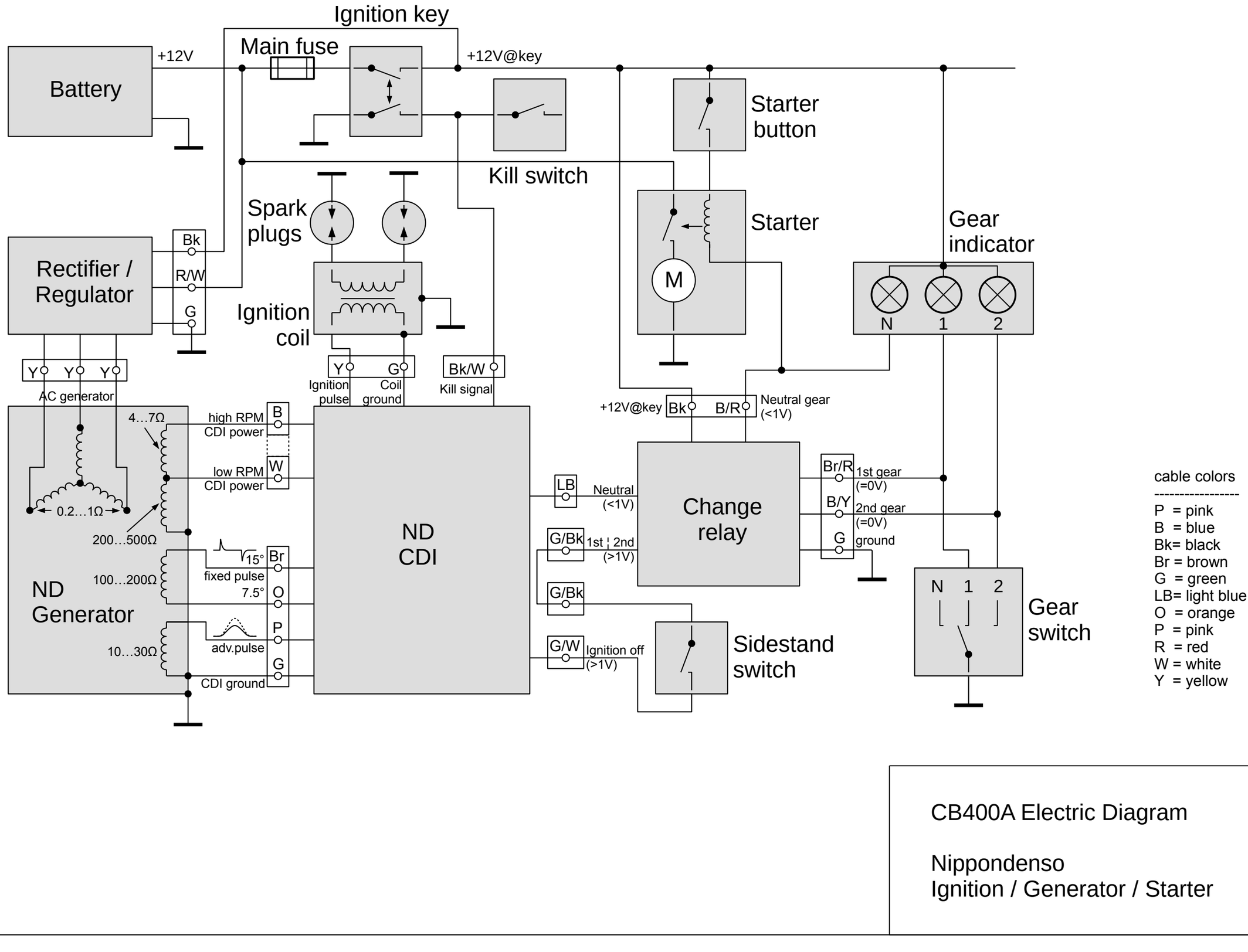
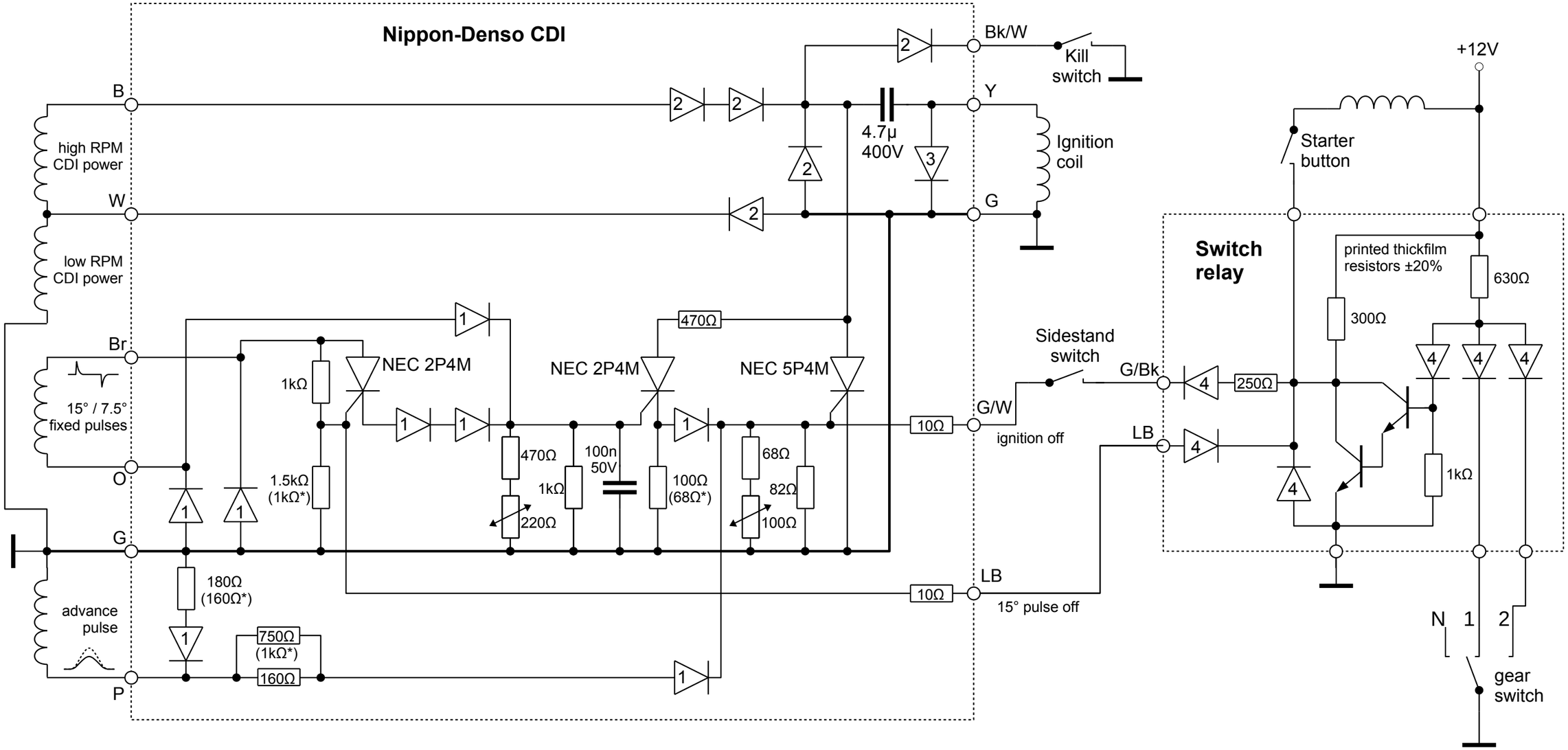


CB400A Electric Diagram

Nippondenso
Ignition / Generator / Starter



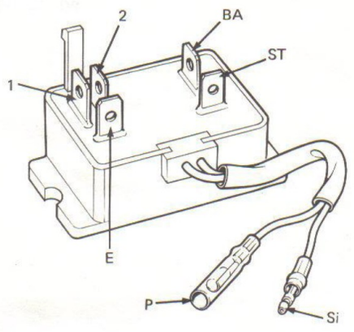
Cable colors

P = pink
B = blue
Bk= black
Br = brown
G = green
LB= light blue
O = orange
P = pink
R = red
W = white
Y = yellow

Components
---
1 small signal ≈ 50V 0.2A
2 rectifier diode ≈ 400V 1A
3 power diode ≈ 400V 5A
4 silicon ´die´ diode

(xxΩ*) known alternate resistor values,
(for module adjustment?)

CB400A Electronic Modules
- Nippon-Denso CDI
- Switch Relay

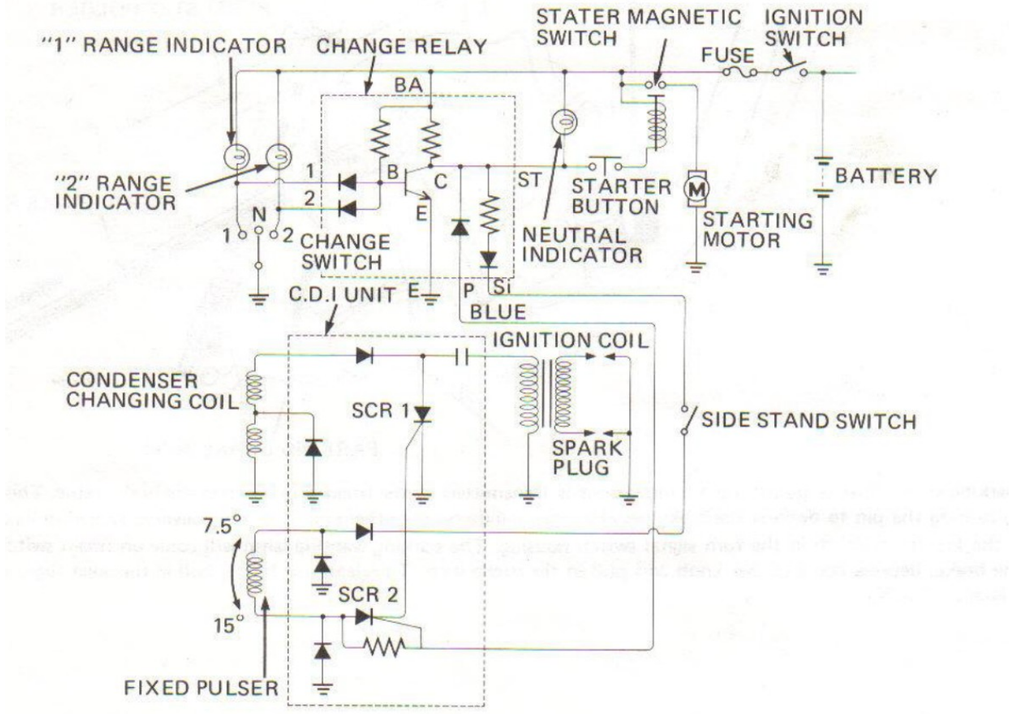


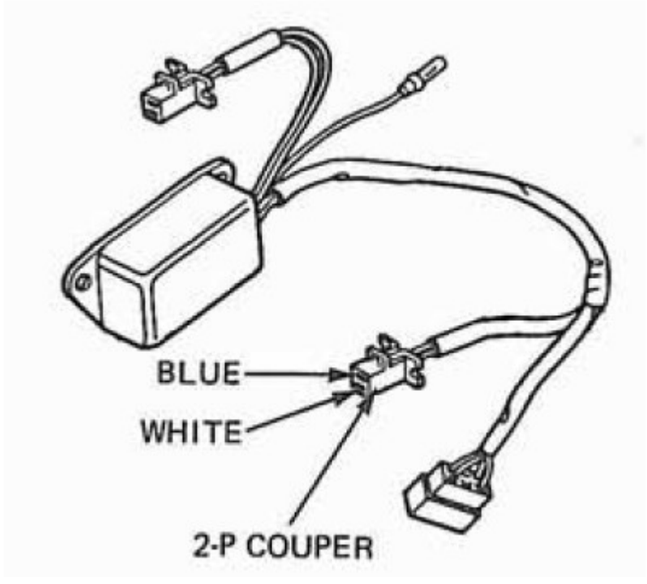
A. C. GENERATOR

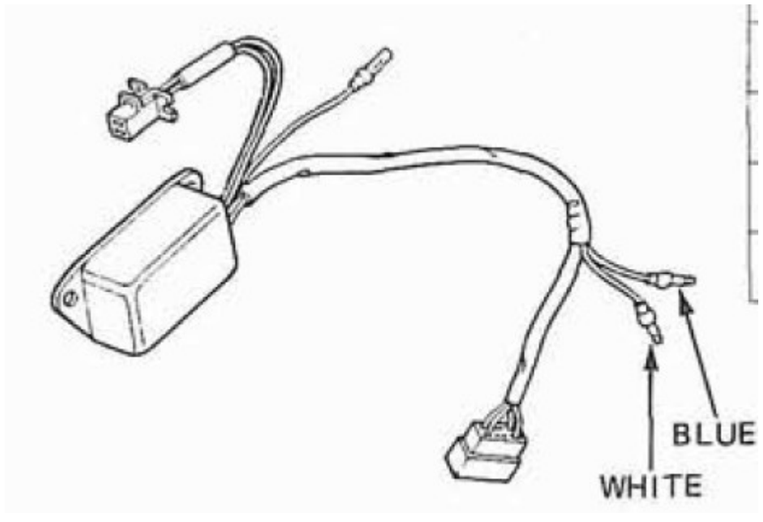
- INSPECTION

Disconnect wiring from the stator.
Measure resistances between the terminals:

Blue-White	4–7 Ω
White-Green	200–500Ω
Brown-Orange	100–200Ω
Pink-Green	10–30 Ω
Yellow-Yellow	0.2–1 Ω
Yellow-Yellow	0.2–1 Ω
Yellow-Yellow	0.2–1 Ω







Model	CDI		Shift Relay		Ignition Coil		Generator		Comments
	Honda part #	Nippondenso	Honda part #	OEM	Honda part #	TEC	Honda part #	Nippondenso	
CB400A	30400-417-004, -014	070000-0271	38320-417-008	SH338	30530-413-003	FL102-12V	31100-417-014		= Reference components
CM400A/450A	30400-417-024	070000-0550			30530-447-003		31100-417-024, -034		similar to CB400A components, but - common 2-pin connector for blue&white wires from generator to CDI - primary input wires of ignition coil on the same side as HV outputs
CB250T	30400-414-014	070000-0261	--	--	30530-413-003	FL102-12V	31100-414-004		similar to CB400A components, but - no change relay - «7.5°/15°» CDI input wire (light-blue) from change relay removed - «ign.off» CDI wire (green-white) from sidestand switch removed - «7.5° pulse» CDI input wire (orange) from generator removed, corresponding coil connection grounded inside generator - «15° pulse» CDI input wire from generator colored light-blue, instead of brown - 12V charge power specified 130W only, instead of 180W
CB250N	30400-422-004	070000-0420, -0421					31100-442-014, -024		similar to CB250T components, but - common 2-pin connector for blue&white wires from generator
CM250T					30530-447-003				similar to CB250T components, but - common 2-pin connector for blue&white wires from generator - primary input wires of ignition coil on the same side as HV outputs