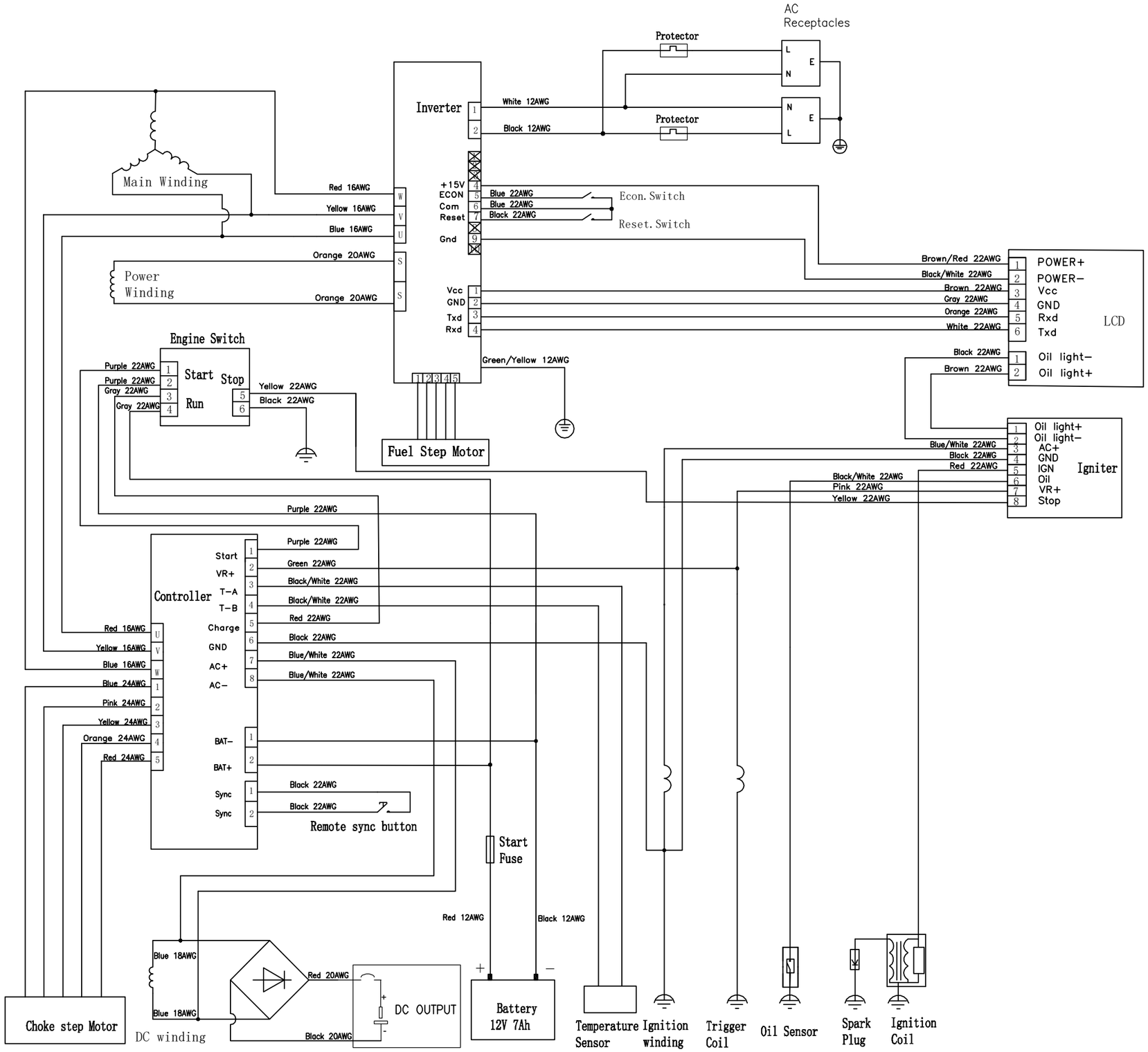
AC
Receptacles
Protector
Protector
L
N
E
N
E
L
Inverter
1
2
White 12AWG
Black 12AWG
Main Winding
Red 16AWG
Yellow 16AWG
Blue 16AWG
Orange 20AWG
Power
Winding
Orange 20AWG
W
V
U
S
S
+15V
ECON
Com
Reset
Gnd
4
5
6
7
9
Blue 22AWG
Blue 22AWG
Black 22AWG
Econ. Switch
Reset. Switch
Vcc
GND
Txd
Rxd
1
2
3
4
Brown/Red 22AWG
Black/White 22AWG
Brown 22AWG
Gray 22AWG
Orange 22AWG
White 22AWG
1 POWER+
2 POWER−
3 Vcc
4 GND
5 Rxd
6 Txd
LCD
Engine Switch
Purple 22AWG
Purple 22AWG
Gray 22AWG
Gray 22AWG
1
2
3
4
Start
Stop
Run
5
6
Yellow 22AWG
Black 22AWG
Green/Yellow 12AWG
1 2 3 4 5
Fuel Step Motor
Black 22AWG
Brown 22AWG
1 Oil light−
2 Oil light+
1 Oil light+
2 Oil light−
3 AC+
4 GND
5 IGN
6 Oil
7 VR+
8 Stop
Igniter
Blue/White 22AWG
Black 22AWG
Red 22AWG
Black/White 22AWG
Pink 22AWG
Yellow 22AWG
Purple 22AWG
Purple 22AWG
Start
VR+
T−A
T−B
Charge
GND
AC+
AC−
Controller
1
2
3
4
5
6
7
8
Green 22AWG
Black/White 22AWG
Black/White 22AWG
Red 22AWG
Black 22AWG
Blue/White 22AWG
Blue/White 22AWG
Red 16AWG
Yellow 16AWG
Blue 16AWG
Blue 24AWG
Pink 24AWG
Yellow 24AWG
Orange 24AWG
Red 24AWG
U
V
W
1
2
3
4
5
BAT−
BAT+
1
2
Sync
Sync
1
2
Black 22AWG
Black 22AWG
Remote sync button
Start
Fuse
Red 12AWG
Black 12AWG
Blue 18AWG
Blue 18AWG
Red 20AWG
Black 20AWG
DC OUTPUT
+
-
+
−
Battery
12V 7Ah
Choke step Motor
DC winding
Temperature
Sensor
Ignition
winding
Trigger
Coil
Oil Sensor
Spark
Plug
Ignition
Coil