

PROIGNI 800, PROIGNI 800-2 FOR KAWASAKI ENGINES 800

FOR COMPETITION USE ONLY.
No warranty of any engine damage.

!WARNING!

This is a powerful tool that can yield great benefit for modified, stock or open engines. However this tool is meant for experienced engine tuners only, and can easily cause severe engine damage if misused! Please use caution when using Proigni for there is no warranty for any engine damage related to the use of this product.

This software and instructions can be used for one curve PROIGNI 800 and two curves PROIGNI 800 - 2.

The change from the original ignition system to Proigni is very simple, just follow all of the included instructions.

We wish you great success with your new PROIGNI 800 and PROIGNI 800-2.

INCLUDED PARTS

1x Proigni system
1x Mounting hardware
1x Disc (software and manual)

Optional:

1x Programming cable RS232
1x Programming cable USB

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INSTALL INSTRUCTIONS

!Insert the included cd to the cd-rom drive in your computer, and follow the instructions!

If the installation setup doesn't work, please copy the PROIGNI 800 or PROIGNI 800-2 folder from the CD to your computer.

For the first setting, look in the "Proigni/data" folder from the CD. The folder include a setting for a stock engine. The Proigni Team is looking forward to create new setup and setting datas.

!Read the manual and follow the instructions!

2.1

PROIGNI CONNECTORS

RED WIRE	Supply +12V
BLACK WIRE	Ground
GREEN WIRE	Inlet for crankshaft position sensor (CPS)
BLUE WIRE	Ground for CPS
WHITE WIRE	Inlet for engine off switch (KILL SWITCH)
ORANGE WIRE	Outlet to inductive coil
BROWN WIRE	(ONLY FOR PROIGNI 800-2) switch to second curve

RS232	Connection to PC is realized by 9-pin serial port (COM)
USB	Connection to PC is realized by USB connector

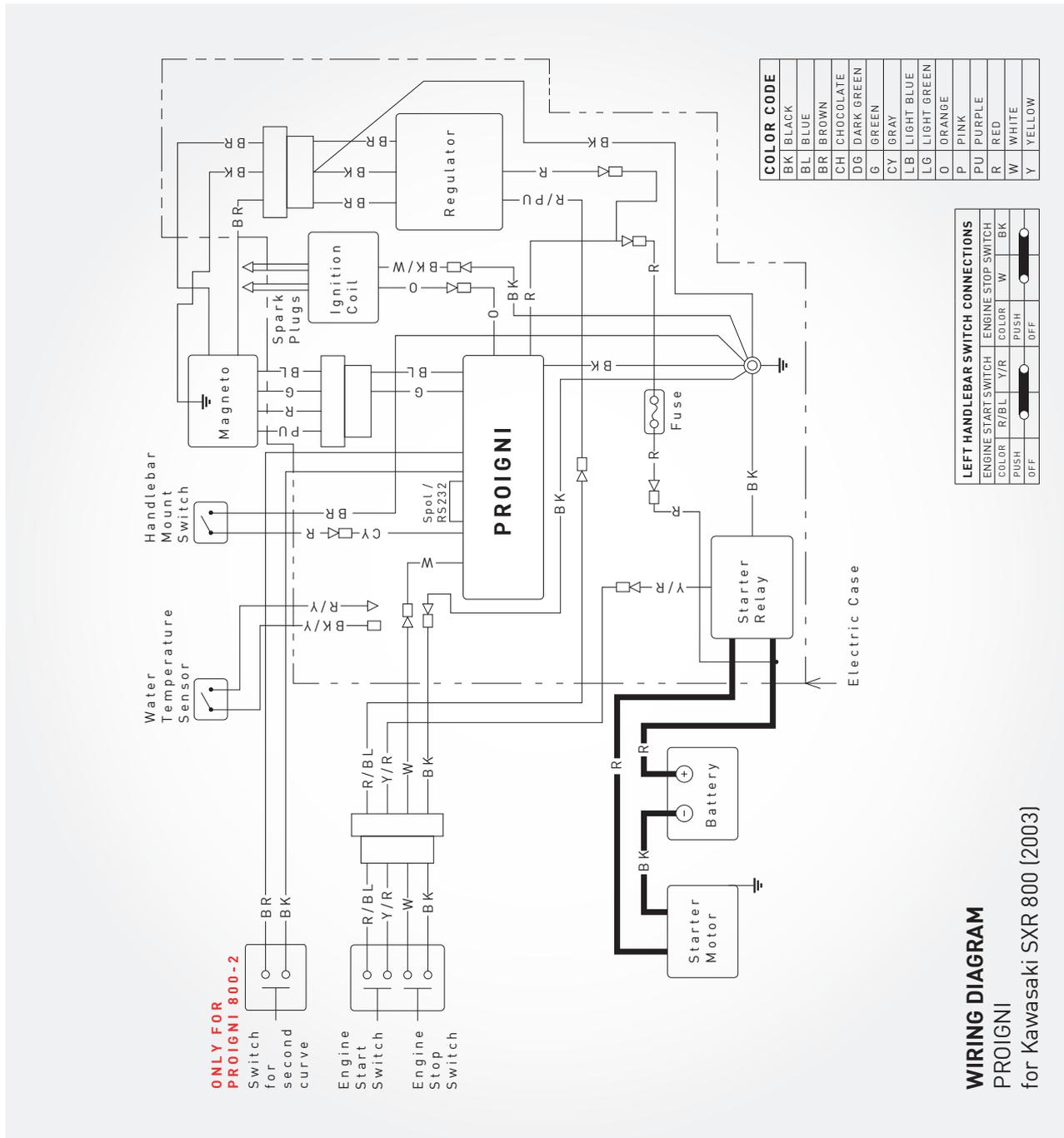
NOTE

Please consult your OEM shop manual to assist in ignition system removal and installation.

2.3

STEP 2 - A INSTALL THE PROIGNI IN YOUR SYSTEM

See the follow wiring diagram
2003 mod.

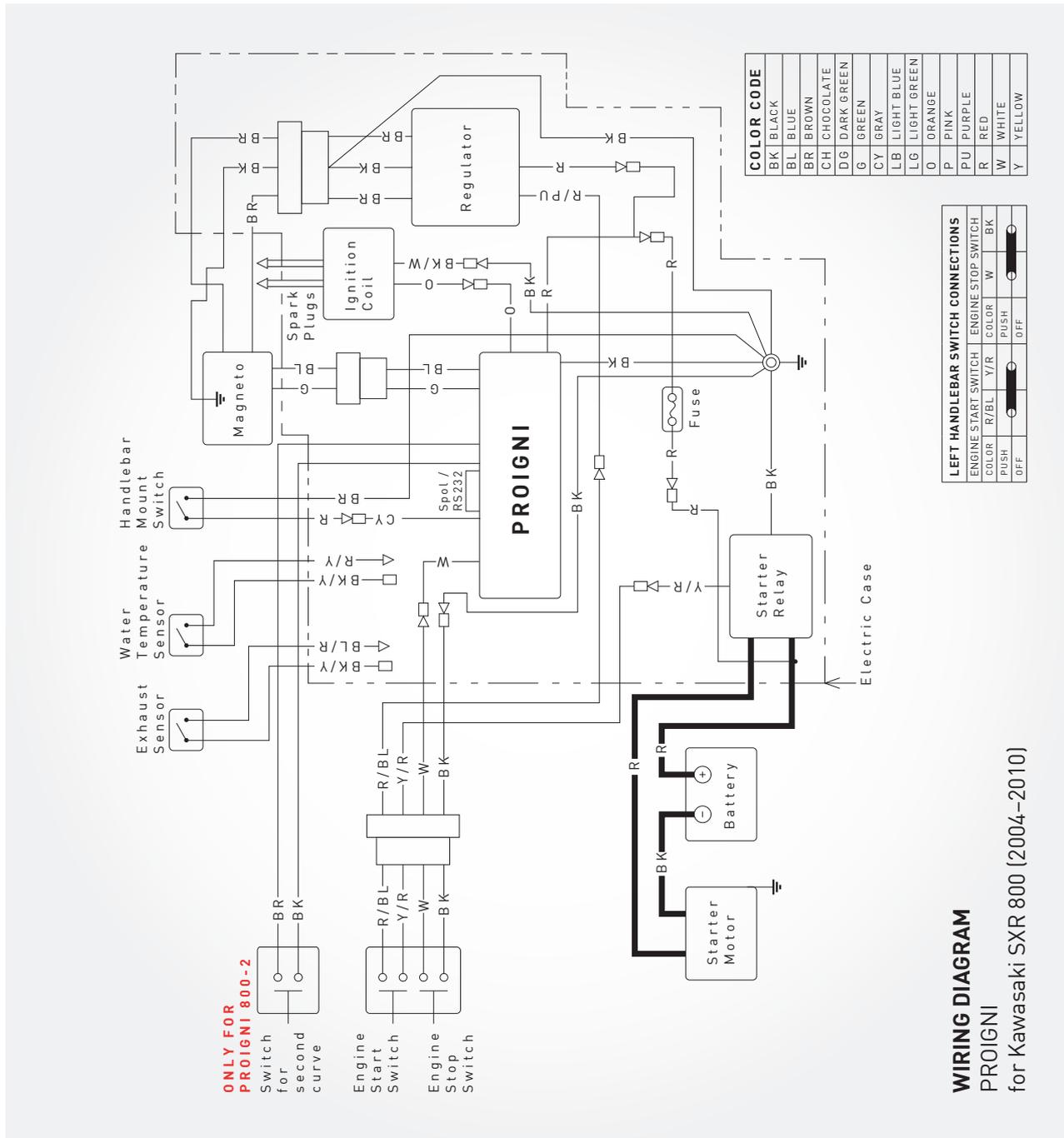


WIRING DIAGRAM
PROIGNI
for Kawasaki SXR 800 (2003)

2.4

STEP 2 - B INSTALL THE PROIGNI IN YOUR SYSTEM

See the follow wiring diagram
2004 – 2010 mod.



WIRING DIAGRAM
PROIGNI
for Kawasaki SXR 800 (2004-2010)

3

SOFTWARE PROIGNI.EXE

Proigni.exe
Always open with default calibration file!

3.1 File Com Ignition Tools Language Help

3.2 [Icons] Read Verify Program A A/B A B Monitor A=B COM=(auto 3,4)

3.2.1 Advance A Advance B

3.3.1

RPM	1 000	1 800	2 500	3 500	4 000	4 600	4 700	5 500	5 700	7 500	7 800	9 000
Advance	12	13	16	19	21	21	21	15	12	18	18	18

3.3.2

3.3.3

3.3.4

3.4

13 Base advance [°]

Polarity of CPS: Positive Negative Selfsearch

9 000 Limiter (rpm)

No Reading

Programming after change

U = --- V

Limiter = ---

Kill switch = ---

Used curve = ---

Advance = ---

RPM = 0

Pick-up (CPS) = ---

Polarity of CKPS: ---

Proigni

Number of Programming = ---

Hour meter = ---

Ignition test

3.5

3.6 | EXE | Programming of Proigni unit | RSKEY=110 | COMPIL | HEX | not connected

3.1

PULL DOWN MENUS

- FILE**
 - NEW – default settings (original Kawasaki data)
 - NEW FOR ACTUAL PAGE – default data settings only for actual page
 - OPEN – opens data file
 - OPEN FOR EXE DIR – opens data file from the same directory as the control software
 - OPEN FOR ACTUAL PAGE – opens data file for actual page only.
 - SAVE – saves data file
 - SAVE – saves data file to the same directory as the control software
 - PRINT – prints the current settings
 - EXIT – exits the program

- COM**
 - COM1 TO COM20 – selection of communication line
 - COM AUTO – automatic search for connected port
- DEVICE**
 - READ – reads data from the unit
 - VERIFY – compares data in PC with data in the unit
 - PROGRAM – sends data to the unit and conducts verification

- TOOLS**
 - Include items of collective settings

- LANGUAGE**
 - Language settings – EN, FR, DE, CS

- HELP**
 - HELP – opens assembly guide (this file)
 - ABOUT THE PROGRAM – data on the software (version, date)

3.2

ICONS MENUS



DEFAULT SETTINGS (original Kawasaki data)

!WARNING! Clicking this icon results in automatic default settings of all parameters.



OPENS DATA FILE



SAVES DATA FILE



PRINTS THE CURRENT SETTINGS



See pull down menu Device

- 3.2.1 **CURVE SELECTION**
Due to selection A or B program individual curves.
CURVE A - works only if Handlebar Mount Switch is disconnected (for PROIGNI 800 without handlebar switch).
CURVE B - works while the Handlebar Mount Switch is connected (only for PROIGNI 800-2).

- 3.2.2 **CURVE VISUAL MODES**
Switch between different display modes

3.3 **SETTING ELEMENTS**

- 3.3.1 **REVOLUTION/ADVANCE**
15 adjustable options. Collective adjustment of all the advance curve points at one time can be done by collective change tool + and – buttons with selection **All**.
When the motor is running current segment is highlighted in the advance curve.
Use of collective change tool + and – button without selection **All** – just the current segment will be changed.

- 3.3.2 **LIMITER**
Here is possible to set the maximum RPM for engine protection.

- 3.3.3 **PROGRAMMING AFTER CHANGE**
Automatic programming settings after every change.

- 3.3.4 **BASE ADVANCE**
Here is necessary inscribe value of base advance normally 13° (Kawasaki SX-R 800).

OPTION FOR CPS POLARITY

Ignition can work with both polarity of CPS (Positive or Negative). Appropriate polarity can be set by software PROIGNI.exe..

3.4 **MONITOR**

Monitor is located on the right and lower side of the screen – sensor values and motor operational characteristics can be observed here. If there is No connection with PC displayed in the upper right corner, the unit is not connected or the Com is not set properly.

3.5

▶ **INFORMATION AND TEST BAR**

By pressing the “IGNITION TEST” button you can test whether the spark plugs spark without starting the engine.

3.6

▶ **SOFTWARE VERSION**

Shows actual version of PROIGNI.exe software.

Establishing communication path
FOR COMPETITION USE ONLY
No warranty of any engine damage
2 years warranty of PROIGNI

!If the watercraft is not in use PROIGNI does not take energy off battery!