

## Electrical installation

# Bultaco Sherpa – Alpina Femsa Platinos

To assemble the installation on the motorcycle, the following must be removed: Seat, tank, side plates, rear light, headlight optics and light key.

Locate the cables that come out of the engine and go up the front of the chassis, (these do not come in the kit), their colors and functions are:

Yellow Wire	Lighting Line
Black Wire	High Coil
Red Wire	Lost Line
Green Wire	Brake light Low coil ground

Next we will place the installation on the motorcycle so that the labels coincide with the indicated points on the motorcycle.

To do this we will place the connection strip right in the hole behind the steering head and from there we will take the rest of the installation to its corresponding places, leaving the three-way connector marked as BRAKE under the seat.

We will guide the end marked as FARO along the left side of the upper chassis tube (in the direction of travel) until we reach the inside of the headlight coconut, passing between the tank and it.

At this point we will connect the cables, we will help ourselves with the cable ties that come in the kit to hold the installation well, as well as it also includes different terminals that we will put depending on the connections of pilot lights, lamp holders, horn, etc. in each case. and if necessary we will shorten the cables for correct installation.

We will connect the installation that enters from the steering pipe with those of the light switch inside the headlight body, matching the following colors:

Yellow Cables	Lighting Line
Brown Cables	Rear Pilot Light
Black Cables	For Engine
Green Wires	Horn Line

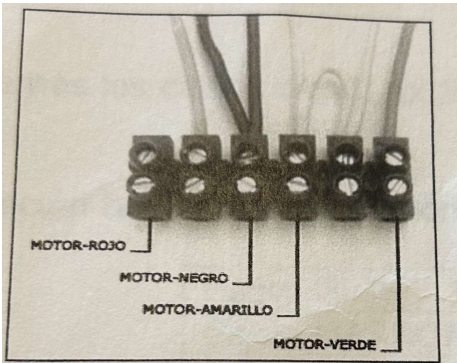
We will also connect the excess cables that will supply the lighthouse as follows:

Blue Wire	Long light (high beam)
White Cable	Low Light (low beam)
Gray Cable	Headlight mass

**Important:** This Installation due to the Femsa Magnetic Steering Wheel System comes with two possible options.

**Option 1:** When the brake pedal is at rest, the stop switch LETS current flow.

We will connect the engine output cables to the under-tank strip as follows:



Motor Output	Power Strip
Red Wire	Free
Free	Gray Wire
Black Wire	Black Wire
Yellow Wire	Yellow Wire
Free	Yellow wire
Green Wire	Green Wire

Red, Black, Yellow, Green

Next we will connect the three-way connector labeled as Option 1 under the seat, a section whose ends we will connect like this:

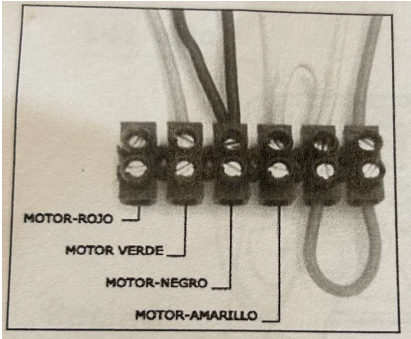
Labeled as BRAKE	Green Cable	Switch
Labeled as BRAKE	Green Cable	Switch
Labeled as RESISTANCE	Gray Cable	Mass
Labeled as RESISTANCE	Green Cable	Endurance

To assemble an original type brake switch, the Resistor located under the seat must be in working order, this can be checked with a multimeter using the continuity check.



**Option 2: When the brake pedal is at rest, the stop switch DOES NOT ALLOW current to pass.**

We will connect the engine output cables to the under-tank terminal strip as follows:



Motor Output	Power Strip
Red Wire	Free
Green Wire	Gray Wire
Black Wire	Black Wire
Yellow Wire	Yellow Wire
Green Bridge	Yellow Wire
Green Bridge	Green Wire

Red, Green, Black, Yellow

Next we will connect the three-way connector labeled as Option 2 under the seat, a section that will connect its ends like this:

Labeled as BRAKE	Green Cable	Switch
Labeled as BRAKE	Green Cable	Switch
Labeled as MASS	Gray Cable	Mass

This is the simplest, since we will not have a resistance or reverse switch and we will mount one that works normally.

Once option 1 or option 2 is connected, we will proceed to the next step.

We will take the end labeled as COIL (BLACK cable) and connect it to the high coil as well as connect the cable marked as GROUND (GRAY Cable) to one of the screws that hold said coil to the chassis.

We will connect the HORN cables (YELLOW and GREEN), regardless of the order.

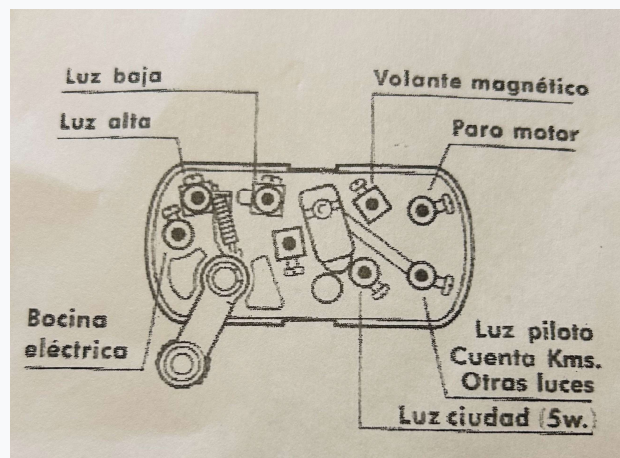
Next we will connect the PILOT following this table:

Gray Wire	Pilot Ground
Brown Wire	Position Light
Green Wire	Brake Light

To finish, we will connect the lights KEY as follows:

White Wire	Low Light
Blue Wire	Long Light
Green Wire	Claxton
Brown Wire	Pilot Light
Black Wire	Stop
Yellow Wire	Line

Diagram of the Leonelli light switch (common on these models).



Luz baja – Low Light	Volante magnetico – Magnetic steering wheel
Luz alta – High light	Paro motor – Engine stop
Bocina electrica – Electric horn	Luz piloto Cuenta Kms Otras luces - Pilot light Kms counter Other lights
	Luz ciudad (5w) – City light (5w)