

Norden 901 Aurora DRL installation with Skene controller

This Aurora DRL kit also fits the KTM 790, 890, 990, 1090, 1190, & 1290 Adventure bikes.

Here is a full installation video on our YouTube channel:

<https://youtu.be/eZTQv8fseLs>

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Bike Preparation

This is not our video, but here is a great example of removing the panels from the Norden 901. If you are unsure of this process, please refer to your factory owner's manual.

<https://youtu.be/lp7kukYvEXY>

Headlight Removal

1. Remove the two side bolts and headlight adjuster bolt (on left side of bike) from the headlight housing.
2. Disconnect headlight

OEM Auxiliary Light & Bracket Removal

1. Remove the two side bolts holding the light and bracket into the auxiliary light housing

OEM Alignment Nut Transfer to Aurora Bracket

You MUST remove the alignment screw receiver from your OEM/Stock auxiliary lights and place the alignment screw receiver into the Aurora bracket.

1. Use a small screwdriver and gently pry the partially rotating alignment screw receiver from the OEM/Stock auxiliary light bracket.
2. Place alignment receiver into the bracket on your Cyclops Aurora lights.
3. Identify the left and right lights prior to mounting, this is indicated on the Aurora bracket.



Mounting the Aurora Lights

We recommend using [blue lock tight](#) on all bolts and nuts during assembly.

1. Tighten the two side screws on the Aurora light where it mounts to the light bracket.
 - a. Set the light at about a 10-degree downward angle from the back of the mount
 - b. Tighten the two side bolts
 - c. You will be able to precisely aim the light after mounting is complete
2. Install the Aurora light assembly into the auxiliary light mounting area on bike.

IQ 375x Controller Wiring Harness Installation

1. Identify the right side and left side turn signal leads on the Cyclops wiring harness.
2. Remove the top plate from the instrument panel to access the OEM/Stock ACC2 keyed power source.
 - a. ACC1 is visible from behind the headlight in the headlight housing.
 - b. ACC2 is in the top of the instrument housing



- c. Cut the factory zip-tie holding the ACC2 in the upper housing and route it back down into the main headlight housing area.
3. Mount the Skene controller to the back left (bike left) inside the headlight housing using the provided 3M dual lock tape
 - a. Clean and prepare the mounting surface with alcohol to remove any grease or film that would cause the dual lock tape to fail under load.
 4. Unplug switch wire and connect to controller

- a. The other side of the switch wire is not used and will be tucked back into the headlight housing.
5. Plug in ACC1 leads
 - a. KTM brown is ground on the bike side of the main wiring harness.
 - b. Cyclops SpYder-Wire connector plugs into the ACC1 port.
 - i. This is a pig-tailed jumper that provides the user with an extra accessory port for additional accessories.
6. Plug in ACC2 leads
 - a. Cyclops SpYder-Wire connector plugs into the ACC2 port.
 - i. This is a pig-tailed jumper that provides the user with an extra accessory port for additional accessories.
7. Connect Cyclops auxiliary light “Deutsch” connectors
 - a. Make sure to identify left and right sides
 - b. Plug in the bullet connectors from each Aurora into the bullet connectors associated with the “Deutsch” connectors on the Skene harness.
8. Route the left and right-side turn signal wires through the headlight housing and out to the Auroras
 - a. Identify the hot wire on your OEM/Stock turn signal and attach the Posi-Tap for that side into the turn signal.
 - i. Remember Brown is ground for KTM on the bike side of the main wiring harness.
9. Attach the headlight trigger wire (High Beam Power Wire)
 - a. Attach the OEM/Stock Headlight harness high beam power wire to the Posi-Tap on the headlight trigger wire
 - i. Blue wire in headlight harness should be the high beam power wire
10. Run your ACC2 port back into the tower and secure with zip-tie
11. Route wires and secure with zip-ties as needed inside the headlight housing
12. Connect headlight

Aurora DRL with Skene controller function check

The Aurora auxiliary light with yellow daytime halo ring has three different visibility options.

Default is Conspicuous mode-ON (The Aurora yellow halo ring will flash)

Operation: Turn your bike on, yellow halo light ring inside the Aurora is on and flickers to increase your visibility to others, main driving light is off.

High beam = Aurora diving lights at 100%, yellow ring shuts off

Low beam = Aurora diving lights off, yellow ring turns on flashing

Turn Signals – the Aurora yellow halo ring will **ALWAYS** default to a turn signal when the turn signal is used.

Daytime running mode-Conspicuous mode Off (The Aurora yellow halo rings stay solid yellow)



Operation: Quickly press the factory fog light button 4 (four) times without locking it into position, (push button approximately halfway down each time).

Use this process of 4 button presses to turn this function off & on

High beam = Aurora diving lights at 100%, yellow ring shuts off

Low beam = Aurora diving lights off, yellow ring turns on and stays solid

Turn Signals – the Aurora yellow halo ring will **ALWAYS** default to a turn signal when the turn signal is used.

Auxiliary Driving Light Mode (The Aurora driving lights are on, and yellow halo rings off)

Operation: two options for setting this up.

Option 1: Start the bike and quickly press the factory fog light button 2 (two) times without locking it into position. Use this process of 2 button presses to turn this function off & on

Option 2: press down and lock the factory fog light button and the Aurora's will function in Aux-mode

High beam = Aurora diving lights at 100%

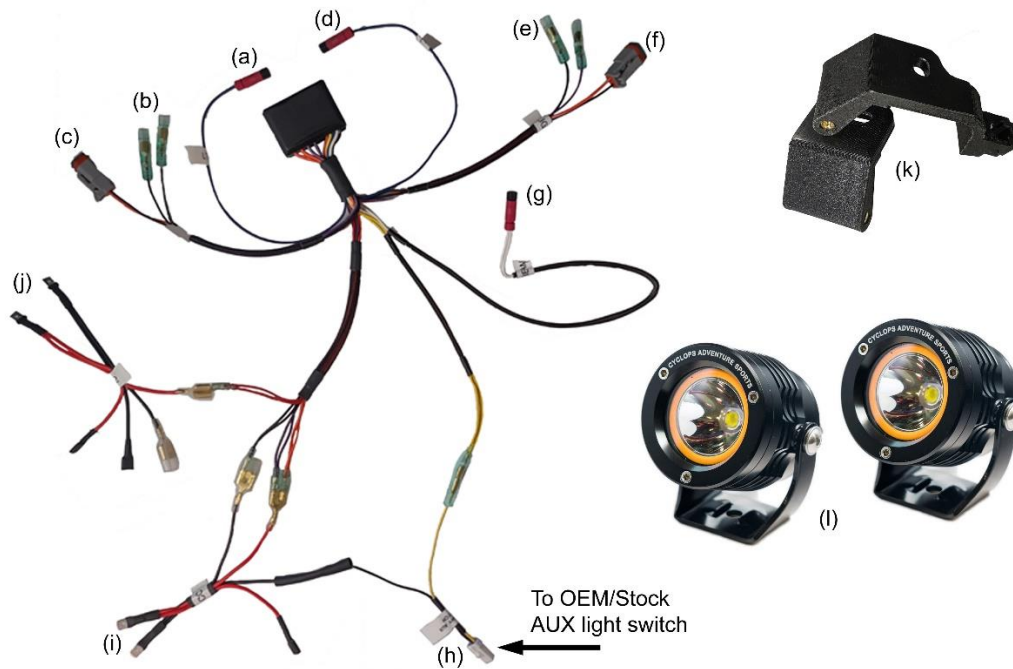
Low beam = Aurora diving lights at 50%

The low beam intensity is factory set to 50%, see Skene controller instructions to increase or decrease the intensity of your low beam.

Turn Signals – the Aurora yellow halo ring will **ALWAYS** default to a turn signal when the turn signal is used.



Package Contents



a	Left turn signal	g	Posi-Tap to High Beam Power
b	Left halo power wires	h	OEM/Stock Auxiliary Switch
c	Left Aurora power wire	i	ACC1 constant power
d	Right turn signal	j	ACC2 switched power
e	Right halo power wires	k	Norden 901 Aurora Light Bracket
f	Right Aurora power wire	l	Aurora Lights with DRL