

Auto Stabilizing and Levelling System



User Manual

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How the Purple SA Auto Stabilizing and Levelling System works.

The Purple SA Auto Stabilizing and Levelling System is designed to level your caravan automatically without damaging or bending your chassis. The system can do that because it always runs 2 motors at the same time, for this reason the system will protect your caravan's chassis.

The Purple SA Auto Stabilizing and Levelling System has a build in gyroscope to measure the degrees of the caravan.

The Remote

The remote for the Purple SA Auto Stabilizing and Levelling System has only four buttons:

| | | |
|----------|-------|------------|
| Button 1 | RED | Stop |
| Button 2 | BLUE | Rain |
| Button 3 | GREEN | Auto-Level |
| Button 4 | WHITE | Retract |



Stop

This button can be pressed at any time to stop the levelling or retracting process.

When the levelling process is on the way and the button is pressed once the system will stop that step in the process and move to the next step. If the Stop button is held in for more than 3 seconds it will cancel the whole process.

Rain

This button is for future use.

Auto-Level

This button will start the auto stabilizing and levelling process.

Retract

This button will start the retracting process of all the legs by holding the button in for more than 3 seconds.

Why the LED lights in your Wheel Arches?

In order to minimize the stresses on the chassis a Kojack wheel leveller will be used to level the caravan's sides. The Kojack Wheel Leveller can be easily pushed in under either wheel and jacked up. This way you can level the sides of your caravan by keeping the weight on the wheels.

On each side of the caravan, a blue LED is installed in the wheel arch. This LED will light up if the wheel on that specific side is LOWER than the wheel on the other side. If the caravan is level, both LED's will be off.

To level your caravan's sides you need to look at what side the LED light is on. Take your Kojack Wheel Leveller and push in under the wheel on that side. Take your 19 lever spanner and turn the Kojack Wheel Leveller so it will start lifting the wheel of the caravan. Lift the wheel until the blue LED light goes off. Your caravan's sides are now level.

How to level your caravan.

1. Park your caravan in the desired position.
2. Look at your LED lights in the wheel arch's to establish the lower side.
3. Use your Kojack Wheel Leveller to level the sides of the caravan.
4. Put your Jockey wheel in the front of the caravan as low as possible.

It is very important to put the front of the caravan as low as possible.

- If the front is lower than the rear, the system will start lifting the front first. This will mean that the caravan will swivel around the axes.
 - If the rear is lower than the front, the system will start lifting the rear first. This will mean that the caravan will not swivel around the axes but push against the Jockey wheel. The system will still level the caravan but will put a lot of stress on the legs and chassis.
5. Push the Auto Level button on the remote.

The system will first bring down the 2 legs on the lowest side between the front and the rear. The legs will come down together but will feel where the ground is separately. For that reason each leg will stop individually as soon as it touches the ground or an object. As soon as both legs are on the ground, both motors will start lifting the caravan until the caravan is level and the legs will stop.

The two remaining leg will then start going down towards the ground. As with the first legs they will find ground individually and stop.

The system will then check the level again and if either side needs to be lifted, the system will do that.

When the caravan is level with all 4 legs down the system will start all four motors at the same time for a short period. This will just lift a little weight from the axes and therefore stabilize the caravan.

The caravan is now stable and level.

How to retract all the legs.

By simply holding the Retract button in for more than 3 seconds, all four legs will retract at the same time. The legs will automatically stop when they reach the top.

Can I use the levelling function without the Kojack Wheel Leveller?

If your caravan is parked more or less level between the sides and you are happy that it is level enough, you can start the auto levelling process without using the Kojack Wheel Leveller. The system will level the front and rear of the caravan, but the sides will not be levelled.

Servicing

It is imperative that the legs and motors on the Purple SA Auto Stabilizing and levelling system must be serviced regularly. The bearings and threaded rod must be greased quarterly.

Support :

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