



CM22

434MHz R.F. Steering Hub Switch

Dealers address details:

1. Kit Contents



2. Installation

IMPORTANT SAFETY CAUTION

IF IT IS NECESSARY DISARM OR REMOVE AN SRS AIRBAG, MANUFACTURER'S PROCEDURE MUST BE FOLLOWED. FAILURE TO DO SO MAY RESULT IN AIRBAG DEPLOYMENT AND POSSIBLE INJURY OR DAMAGE TO VEHICLE.

INSTALLATION PROCEDURE

NOTES—The switch must be fitted to the right side of the steering wheel as the buttons are not reversible.

The battery supplied in the hardware is a spare to be given to the owner of the vehicle. The switch already contains a long life battery.

Mount the "Cruise Engage" LED (small white LED with black-sheathed 3 wire harness) in a location on the dashboard where it can be seen by the driver.

Mount the oval "CRUISE " decal and secure the LED with small black plastic retaining grommet.

Mount the interface module in an appropriate location (i.e. behind dashboard) and connect the LED with 3 wire harness. **CAUTION!** Do not connect to a powered harness. Ensure all connections are complete before supplying power or testing operation.

Plug cruise engage LED harness (red, yellow and green wires in white plug) into 3 pin white socket right side on the interface module.

Switch harness (6 wires in short harness, flat white plug and 2 row clear plug). Connect flat white plug into 6 pin white socket on the interface module, and clear 2 row plug into switch socket on main cruise control wiring harness.

SWITCH INSTALLATION IS NOW COMPLETE

The cruise engage LED will show a dull glow when Cruise Control is off and ignition switch is on. This will assist the LED location during night time driving.

Note:

The red LED indicator in the middle of transmitter module will illuminate when any button is pressed.

It will flash with 5 times when it is at low battery condition. You have to replace battery as soon as possible (Spare battery supplied – model CR2032).

3. Learn transmitter module

The CM22 transmitter module and interface module is matched after production. If you want to relearn that for any reason, please perform the procedure as following.

1. Power off the interface module
2. Make short on pin 1 and 2 or pin 2 and 3 of the interface module connector.
3. Press and hold on/off button of the transmitter module.
4. Power on the interface module.

4. The CM22 module complies with the following:



Regulation	Standard	Title
Radio Communications	AS/NZS 4268	Radio Equipment and Systems – Short Range Devices



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

5. USER GUIDE

LED INDICATOR FUNCTIONS

There are 2 LED lights, one on the switch body below the ON/OFF button, and the other mounted on the vehicle dashboard, with a black disc displaying the word CRUISE.

The SWITCH LED will flash whenever a button is pressed. It will also flash 5 times when the internal battery requires replacement. The battery type is a long-life CR2032 type, and should last for several years in normal operation. It should be replaced without delay when the 5-flash signal is shown, as the Cruise Control will cease to operate when the battery has lost charge.

The DASHBOARD LED is the Cruise Control status indicator. It will display a dull pink colour when switched OFF to assist in locating the LED. When the Cruise Control is switched ON (but not engaged)

the LED will display a Green colour, when ENGAGED it will display an Orange colour.

ON/OFF BUTTON

This button turns the Cruise Control ON or OFF. Status LED will change colour as detailed above.

SET/ACC BUTTON (Set/Accelerate Functions)

This button has 2 functions. When the Cruise Control is in standby (Green LED) pressing this button will SET (engage) the Cruise Control at your current speed. When the Cruise Control is engaged (Orange LED) pressing this button will ACCELERATE (increase) the speed. One brief press will increase speed by 1kph.

On AP300 and AP500 models pressing and holding the button will increase speed in a gentle and progressive manner, holding the higher speed when the button is released.

On AP900 and AP900C models pressing and holding the button for approx 1.5-2 seconds will increase speed by 10kph above current set speed. This is indicated by 2 brief beep tones when holding the SET/ACC button for the required period.

RES/DEC BUTTON (Resume/Decelerate Functions)

The RESUME function allows you to return to your last SET speed. If you have applied the brakes to disengage the Cruise Control (such as travelling through a small country town with lower speed limit), pressing the RES button will return the vehicle to the last SET speed on the current journey. If the Cruise Control or Ignition has been turned OFF this feature will not operate as the last speed memory setting has been erased.

When the Cruise Control is engaged (Orange LED) it will decelerate the vehicle. One brief press will decrease speed by 1kph.

On AP300 and AP500 models pressing and holding the button will decrease speed in a gentle and progressive manner, holding the lower speed when the button is released.

On AP900 and AP900C models pressing and holding the button for approx 1.5-2 seconds will decrease speed by 10kph below current set speed. Again, 2 brief 2 beep tones will confirm 10kph reduction is activated.

IMPORTANT NOTE – The rate of vehicle deceleration can vary according to several factors including going down long or steep gradients, towing, carrying loads etc. The Cruise Control cannot apply the vehicle brakes, and the vehicle driver should be prepared to apply the brake pedal and take control if speed is not reducing at the required rate.

