



OPERATION GUIDE

LANE CHANGE ASSIST SYSTEM

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FC FCC STATEMENT:

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 UNDESIRE OPERATION.

NOTE: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS B DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE IN A RESIDENTIAL INSTALLATION.

THIS EQUIPMENT GENERATES, USES AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTIONS, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. HOWEVER, THERE IS NO GUARANTEE THAT INTERFERENCE WILL NOT OCCUR IN A PARTICULAR INSTALLATION.

IF THIS EQUIPMENT DOES CAUSE HARMFUL INTERFERENCE TO RADIO OR TELEVISION RECEPTION, WHICH CAN BE DETERMINED BY TURNING THE EQUIPMENT OFF AND ON, THE USER IS ENCOURAGED TO TRY TO CORRECT THE INTERFERENCE BY ONE OR MORE OF THE FOLLOWING MEASURES:

–REORIENT OR RELOCATE THE RECEIVING ANTENNA.

–INCREASE THE SEPARATION BETWEEN THE EQUIPMENT AND RECEIVER.

–CONNECT THE EQUIPMENT INTO AN OUTLET ON A CIRCUIT DIFFERENT FROM THAT TO WHICH THE RECEIVER IS CONNECTED.

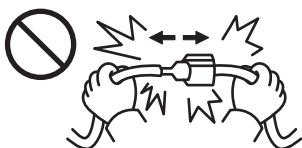
–CONSULT THE DEALER OR AN EXPERIENCED RADIO/TV TECHNICIAN FOR HELP.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

– THIS EQUIPMENT COMPLIES WITH FCC RADIATION EXPOSURE LIMITS SET FORTH FOR AN UNCONTROLLED ENVIRONMENT. THIS EQUIPMENT SHOULD BE INSTALLED AND OPERATED WITH A MINIMUM DISTANCE OF 20 CM BETWEEN THE RADIATOR AND A HUMAN BODY.

1. WARNING

1. THE RV LANE CHANGE ASSIST SYSTEM DOES NOT REPLACE ANY FUNCTIONS DRIVERS SHALL ORDINARILY PERFORM IN DRIVING A MOTOR VEHICLE, NOR DOES IT DECREASE THE NEED FOR DRIVERS TO STAY VIGILANT AND ALERT IN ALL DRIVING CONDITIONS, TO OBEY ALL THE SAFE DRIVING STANDARDS, PRACTICES, TRAFFIC RULES AND REGULATIONS.
2. CUB DOES NOT GUARANTEE 100% ACCURACY IN THE DETECTION OF VEHICLES OR PEDESTRIANS, AND THEREFORE DOES NOT GUARANTEE THE PERFORMANCE OF ANY RELATED AUDIO OR VISUAL WARNING SIGNALS. FURTHERMORE, ROAD, WEATHER AND OTHER CONDITIONS MAY ADVERSELY AFFECT THE VEHICLE'S BLIND SPOT DETECTION SYSTEM RECOGNITION AND RESPONSE CAPABILITIES.
3. CAREFULLY READ THIS OPERATION GUIDE AND ITS IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLING OR USING THE RV BSD SYSTEM.
4. IT IS RECOMMENDED THAT THE INSTALLATION BE CARRIED OUT BY QUALIFIED PERSONNEL.



Do not pull the connectors with excessive force.



Do not pull the harness with excessive force.

ISED STATEMENT:

THIS DEVICE CONTAINS LICENCE-EXEMPT TRANSMITTER(S) THAT COMPLY WITH INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA'S LICENCE-EXEMPT RSS(S). OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE INTERFERENCE,
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION OF THE DEVICE.

L'ÉMETTEUR EXEMPT DE LICENCE CONTENU DANS LE PRÉSENT APPAREIL EST CONFORME AUX CNR D'INNOVATION, SCIENCES ET DÉVELOPPEMENT ÉCONOMIQUE CANADA APPLICABLES AUX APPAREILS RADIO EXEMPTS DE LICENCE. L'EXPLOITATION EST AUTORISÉE AUX DEUX CONDITIONS SUIVANTES :

- (1) L'APPAREIL NE DOIT PAS PRODUIRE DE BROUILLAGE;
- (2) L'APPAREIL DOIT ACCEPTER TOUT BROUILLAGE RADIOÉLECTRIQUE SUBI, MÊME SI LE BROUILLAGE EST SUSCEPTIBLE D'EN COMPROMETTRE LE FONCTIONNEMENT.





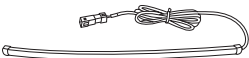
IMPORTANT NOTE:

IC RADIATION EXPOSURE STATEMENT:

THIS EQUIPMENT COMPLIES WITH IC RSS-102 RADIATION EXPOSURE LIMITS SET FORTH FOR AN UNCONTROLLED ENVIRONMENT. THIS EQUIPMENT SHOULD BE INSTALLED AND OPERATED WITH MINIMUM DISTANCE 20CM BETWEEN THE RADIATOR & YOUR BODY.

CET ÉQUIPEMENT EST CONFORME AUX LIMITES D'EXPOSITION AUX RAYONNEMENTS IC ÉTABLIES POUR UN ENVIRONNEMENT NON CONTRÔLÉ. CET ÉQUIPEMENT DOIT ÊTRE INSTALLÉ ET UTILISÉ AVEC UN MINIMUM DE 20 CM DE DISTANCE ENTRE LA SOURCE DE RAYONNEMENT ET VOTRE CORPS.

2. SYSTEM CONTENTS

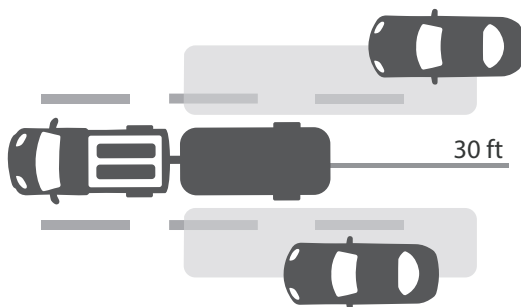
No.	ITEM	Qt'y	PICTURE
1	Right RV Radar	1	
2	Left RV Radar	1	
3	Control Unit	1	
4	Manual Set/Accessories	1	
5	Trailer Harness Set	1	
6	Indicators	2	

3. SYSTEM SPECIFICATIONS

No.	ITEM	SPECIFICATIONS
1	Operating Temperature	-40°C ~ +80°C
2	Storage Temperature	-40°C ~ +85°C
3	Environmental Protection Level	Radar : IP67
4	Input Voltage Range	9V - 16V
5	Current Consumption	Max. 800mA ± 5% @12V
6	Alarm Level	Level I : LED On (Constant) Level II : LED Flash+Buzzer On
7	Specifications	ISO 17387/ISO 16750
8	Radiation Regulations	FCC / NCC

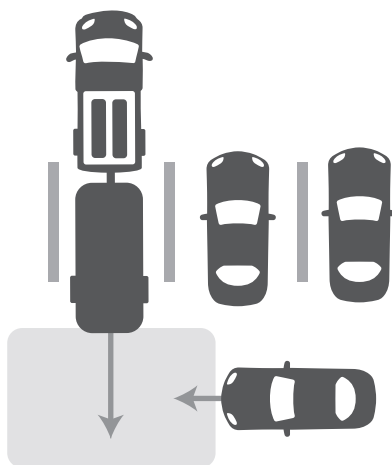
4. INTRODUCTION

The RV Lane Change Assist System is designed to aid in detecting vehicles that may have entered the vehicle blind spot zone, which is represented by the vehicles in the diagram below. The detection area is on both sides of your trailer, extending rearward from the trailer to approximately 30 feet beyond the trailer. The system is designed to alert you of vehicles, which will not allow for a safe lane change.



5. REAR CROSS TRAFFIC ALERT (RCTA)

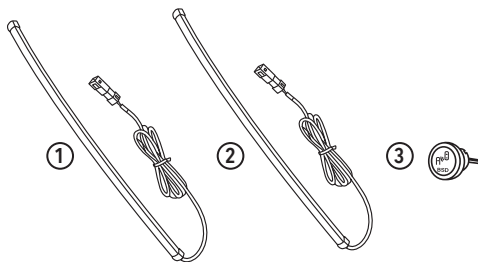
The Rear Cross Traffic Alert (RCTA) is activated when the vehicle is placed in 'reverse'. The corresponding warning indicator lamp will flash when a vehicle is detected approaching and resulting in an impact of approximately 2 seconds. The system is capable of monitoring the rear cross traffic zones up to a 60 ft range.



6. OPERATION

Indicators

- ① Left Side Indicator
- ② Right Side Indicator
- ③ Power Button



System Power

1. The system will automatically activate when the trailer is connected. The warning indicator lamps ① ② illuminate for 3 seconds during startup.
2. The system can be powered off by pressing and holding the power button

System Activation

1. Connect trailer to tow vehicle along with all safety equipment and electrical connections.
2. Indicator lamps ① ② will illuminate for 3 seconds to confirm activation and run self-diagnostics.
3. If there are errors, the system will illuminate the indicator lamps ① ② to indicate a problem. Please use the TROUBLESHOOTING section for more help.

Indicator Lamps

1. The left indicator ① will illuminate when a vehicle is in your left blind spot while driving. This indicator will flash when your left turn signal is activated while there is a vehicle in the left blind spot.
2. The right indicator ② will illuminate when a vehicle is in your right blind spot while driving. This indicator will flash when your right turn signal is activated while there is a vehicle in the right blind spot.

7. ERROR DIAGNOSTICS

It is possible that the Lane Change Assist System will trigger an alert even though there is no vehicle in the blind spot zone. The Blind Spot Detection System can detect objects such as: construction barrels, guard rails, lamp posts, etc. Occasional false alerts are normal.

STATUS	INDICATOR
Radar System Error	3 Flashes
Sleep Mode	2 Flashes
System Initialization	3 Second Solid

8. TROUBLESHOOTING

ISSUE	SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Power On	The indicators do not light up	The system is not turned on	Press and hold power button until the indicators illuminate for 3 seconds
	The indicator does not light up	Damaged indicator	Contact your dealer
		Disconnected indicator	Verify connection
System Operation	Indicators flash 3 times	Radar disconnection	Abnormal power supply, wiring, or radar, please contact your dealer
	Indicators are flashing when the trailer is parked	System is still turned on	Press and hold power button until the indicators flash twice
Functions	No Level 1 BSD alert	Vehicle speed is less than 12 mph	Normal operation
		Radar is improperly positioned	Correct the radar mounting position
		Radar is blocked	Clear the radar from blockages
	No Level 2 BSD alert	Turn signal leads not connected	Confirm turn signal leads are connected
	No RCTA alert	Reverse lead not connected	Confirm that the reverse lead is connected



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