



OPERATION GUIDE

BLIND SPOT DETECTION SYSTEM: FOR MOTORCYCLES

CONTENTS

1. WARNING	1
2. SYSTEM CONTENTS.....	2
3. INTRODUCTION	3
4. SYSTEM SPECIFICATIONS.....	3
5. OPERATION.....	4
6. ERROR DIAGNOSTICS.....	5
7. TROUBLESHOOTING	6

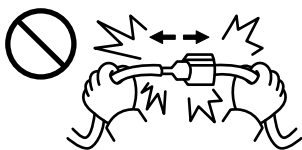
1. WARNING

1. THE MOTORCYCLE BLIND SPOT DETECTION SYSTEM DOES NOT REPLACE ANY FUNCTIONS OPERATORS SHALL ORDINARILY PERFORM IN OPERATING A MOTOR VEHICLE, NOR DOES IT DECREASE THE NEED FOR RIDERS TO STAY VIGILANT AND ALERT IN ALL RIDING CONDITIONS, TO OBEY ALL THE SAFE RIDING 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 BSD SYSTEM.

4. IT IS RECOMMENDED THAT THE INSTALLATION BE CARRIED OUT BY QUALIFIED PERSONNEL.

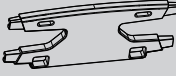
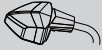
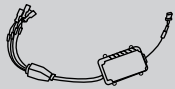


Do not pull the connectors with excessive force.



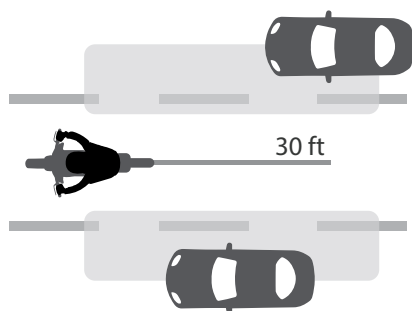
Do not pull the harness with excessive force.

2. SYSTEM CONTENTS

No.	ITEM	Qty	PICTURE
1	Right Radar Assembly	1	
2	Left Radar Assembly	1	
3	Main Bracket	1	
4	Extension Bracket	2	
5	Rotation Shaft Cover	2	
6	Right Indicator	1	
7	Left Indicator	1	
8	Indicator Angle Cover Set	2	
9	Control Unit	1	
10	Haptic Module	1	
11	Harness Set	1	
10	Manual Set/Accessories	1	

3. INTRODUCTION

The Motorcycle Blind Spot Detection 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 vehicle, extending rearward from the vehicle to approximately 30 feet beyond the motorcycle. The system is designed to alert you of vehicles, which will not allow for a safe lane change.



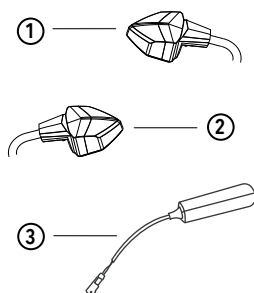
4. SYSTEM SPECIFICATIONS

No.	ITEM	SPECIFICATIONS
1	Operating Temperature	-40°C ~ +80°C
2	Storage Temperature	-40°C ~ +90°C
3	Environmental Protection Level	IP67
4	Input Voltage Range	9V - 16V, 12V (Typical)
5	Current Consumption	<1050mA ± @12V
6	Alarm Level	Level I : Indicator On - Solid Level II : Indicator Blinking + Vibrate
7	Specifications	ISO 16750
8	Radiation Regulations	FCC / NCC

5. OPERATION

Indicator

- ① Left Side Blind Spot Indicator
- ② Right Side Blind Spot Indicator
- ③ Haptic Module



System Power

1. The system will automatically activate when the ignition is turned on. The warning indicator lamps ① ② illuminate and the haptic module ③ will activate for 3 seconds during startup.

System Activation

1. Start motorcycle.
2. Indicator lamps ① ② will illuminate and the haptic module ③ will activate for 3 seconds to confirm activation and run self-diagnostics.
3. If there are errors, the system will flash the indicator lamps ① ② to indicate the problems. Please use the TROUBLESHOOTING section for more help.

Blind Spot Indicator Lamps

1. The left indicator ① will illuminate when a vehicle is in your left blind spot while riding. This indicator will flash and a vibration will come from the haptic module ③ under the seat 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 riding. This indicator will flash and a vibration will come from the haptic module ③ under the seat when your right turn signal is activated while there is a vehicle in the right blind spot.

6. ERROR DIAGNOSTICS

It is possible that the Blind Spot Detection 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
Abnormal System Condition	3 flashes
Normal System Initialization	3 second solid illumination

7. TROUBLESHOOTING

ISSUE	SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Power On Self-test	The system does not respond after starting the engine/turning key on	Incorrect connection or control unit failure	Confirm that the IGN, wiring, fuse, and controller are connected.
	The indicator does not light up	Damaged indicator	Contact your dealer
		Disconnected indicator	Verify connection
	The seat vibrator does not vibrate	Damaged vibrator	Contact your dealer
		Disconnected vibrator	Verify connection
System Operation	Indicators flash 3 times after system powers up	Radar(s) or ECU fault	Abnormal power supply, wiring, ECU or radar, please contact your dealer.
Functions	No Level 1 BSD alert	Radar(s) are not properly positioned	Adjust the radar location and angle according to the instructions
		Targets are insufficient in size	Normal Operation
		Targets are not in the detection area	Normal Operation
	No Level 2 BSD alert	Turn signal leads not connected	Confirm turn signal leads are connected
		Turn signal lead connection polarity not correct	Turn signal inputs require positive 12V+, use relays or transistors.



250 Benton Ct, City of Industry, CA • 714.784.6687 • www.motorcycleblindspot.com • cs@novusradar.com
