



Service Data

SD-61-4960

Bendix® Wingman® Advanced™ (FLR20™ Sensor)

⚠ WARNING

Improper use of the Bendix® Wingman® Advanced™ system can result in a collision causing property damage, serious injuries, or death.

The driver is always responsible for the control and safe operation of the vehicle at all times. The Bendix Wingman Advanced system does not replace the need for a skilled, alert professional driver, reacting appropriately and in a timely manner, and using safe driving practices.



FIGURE 1 - BENDIX® WINGMAN® FLR20™ RADAR SENSOR AND COVER

DESCRIPTION

The Bendix® Wingman® Advanced™ system is an integrated combination of three features:

- Adaptive cruise control with braking;
- Alerts (several different types); and
- Collision mitigation technology.

PART ONE: ADAPTIVE CRUISE CONTROL WITH BRAKING

The adaptive cruise control with braking feature is an additional up-grade of ordinary cruise control. When using cruise control, the Wingman Advanced system will maintain the set speed, and also will intervene, as needed, to help maintain a set following distance behind a detected forward vehicle.

Using a radar sensor mounted to the front of the vehicle — with a range of approximately 500 feet — the Wingman Advanced system reacts to detected forward vehicles in the same lane, traveling in the same direction. See Figure 1.

The adaptive cruise control with braking feature is designed to help the driver maintain a set following distance between his vehicle and a detected forward vehicle when cruise control is set. See the gray "Radar Beam" area in Figure 2.

Once cruise control is set and the system is maintaining a set following distance between you and the vehicle in front:

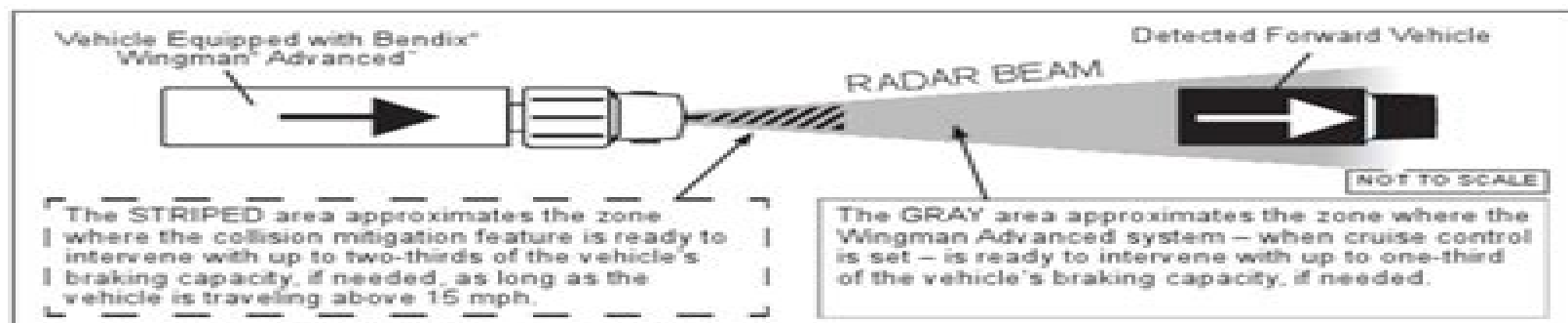


FIGURE 2 - BENDIX® WINGMAN® ADVANCED™ SYSTEM RADAR DETECTION

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Brendan G. Carr



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Field Manuals United States. War Department,1980 **Bendix Trophy Line RDR-100 Weather Avoidance Radar**
Bendix Radio Division, *The RF and Microwave Handbook* Mike Golio,2000-12-20 The recent shift in focus from defense and government work to commercial wireless efforts has caused the job of the typical microwave engineer to change dramatically The modern microwave and RF engineer is expected to know customer expectations market trends manufacturing technologies and factory models to a degree that is unprecedented in the **Aircraft Accident Report**
,197? Daughters of Erebus Paul Holmes,2011-09-01 How 287 people died in the air crash on Mt Erebus What caused the crash and who covered it up *The RF and Microwave Handbook - 3 Volume Set* Mike Golio,2018-10-08 By 1990 the wireless revolution had begun In late 2000 Mike Golio gave the world a significant tool to use in this revolution The RF and Microwave Handbook Since then wireless technology spread across the globe with unprecedented speed fueled by 3G and 4G mobile technology and the proliferation of wireless LANs Updated to reflect this tremendous growth the second edition of this widely embraced bestselling handbook divides its coverage conveniently into a set of three books each focused on a particular aspect of the technology Six new chapters cover WiMAX broadband cable bit error ratio BER testing high power PAs power amplifiers heterojunction bipolar transistors HBTs as well as an overview of microwave engineering Over 100 contributors with diverse backgrounds in academic industrial government manufacturing design and research reflect the breadth and depth of the field This eclectic mix of contributors ensures that the coverage balances fundamental technical issues with the important business and marketing constraints that define commercial RF and microwave engineering Focused chapters filled with formulas charts graphs diagrams and tables make the information easy to locate and apply to practical cases The new format three tightly focused volumes provides not only increased information but also ease of use You can find the information you need quickly without wading through material you don t immediately need giving you access to the caliber of data you have come to expect in a much more user friendly format **The Electrical Engineering Handbook,Second Edition** Richard C. Dorf,1997-09-26 In 1993 the first edition of The Electrical Engineering Handbook set a new standard for breadth and depth of coverage in an engineering reference work Now this classic has been substantially revised and updated to include the latest information on all the important topics in electrical engineering today Every electrical engineer should have an opportunity to expand his expertise with this definitive guide In a single volume this handbook provides a complete reference to answer the questions encountered by practicing engineers in industry government or academia This well organized book is divided into 12 major sections that encompass the entire field of electrical engineering including circuits signal processing electronics electromagnetics electrical effects and devices and energy and the emerging trends in the fields of communications digital devices computer engineering systems and biomedical engineering A compendium of physical chemical material and mathematical data completes this comprehensive

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perceptron such that if data belongs to class 1 then perceptron1 1 perceptron2 0 perceptron3 0 if data belongs to class 2
then perceptron1 0 perceptron2 1 perceptron3 0

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