

Instruction Manual

Backup Sensor Reversing System

RVS-112





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The RVS-112 is the simplest sensor system on the market today.



**SENSORS INTEGRATE
RIGHT INTO
OUR CAMERA SYSTEMS.**



The RVS-112 Vehicle Reversing Aid is an automatic back up alert system that warns drivers of potential obstacles while backing up their vehicle. Using ultrasonic echo location sonar technology the system is activated when the driver engages reverse gear. A 4 zone variable audio pulse alerts the driver of potential obstacles. The audio pulse intensity increases and the audio frequency changes as the vehicle backs closer to the obstacle. As with all sensing systems there are blind areas in the sensing patterns due to the cone or triangular nature in the way the sonar pulse is emitted. Whenever an object moves from a covered area and into one of these blind areas a special warning alert message and a very loud tone will be transmitted twice or until the operator takes the vehicle out of reverse. This is especially helpful for detecting moving objects such as a pedestrian, an animal, a forklift or other moving vehicles that may be behind your vehicle and in harms way.



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If you have questions about this product, contact:

***Rear View Safety
1797 Atlantic Avenue
Brooklyn, NY 11233
Tel: 1.800.764.1028***

IN NO EVENT SHALL SELLER OR MANUFACTURER BE
LIABLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES OF
ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM
ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

Before drilling please check that no cable or wiring is on the other side of the wall. Please clamp all wires securely to reduce the possibility of them being damaged while vehicle is in use. Keep all cables away from hot or moving parts and electrical noisy components.

We recommend doing a benchmark test before installation to insure that all components are working properly.

PLEASE READ THE ENTIRE MANUAL AND FOLLOW THE INSTRUCTIONS AND WARNINGS CAREFULLY. FAILURE TO DO SO CAN CAUSE SERIOUS DAMAGE AND/OR INJURY, INCLUDING LOSS OF LIFE. BE SURE TO OBEY ALL APPLICABLE LOCAL TRAFFIC AND MOTOR VEHICLE REGULATIONS AS IT PERTAINS TO THIS PRODUCT. IMPROPER INSTALLATION WILL VOID MANUFACTURER'S WARRANTY.



Sensors

Drill four holes at equal distance in the rear bumper and mount the sensors using the included grommets. Run each cable to the sensor box and plug each into its corresponding port. **Note: Drill Bit not included.**

Power

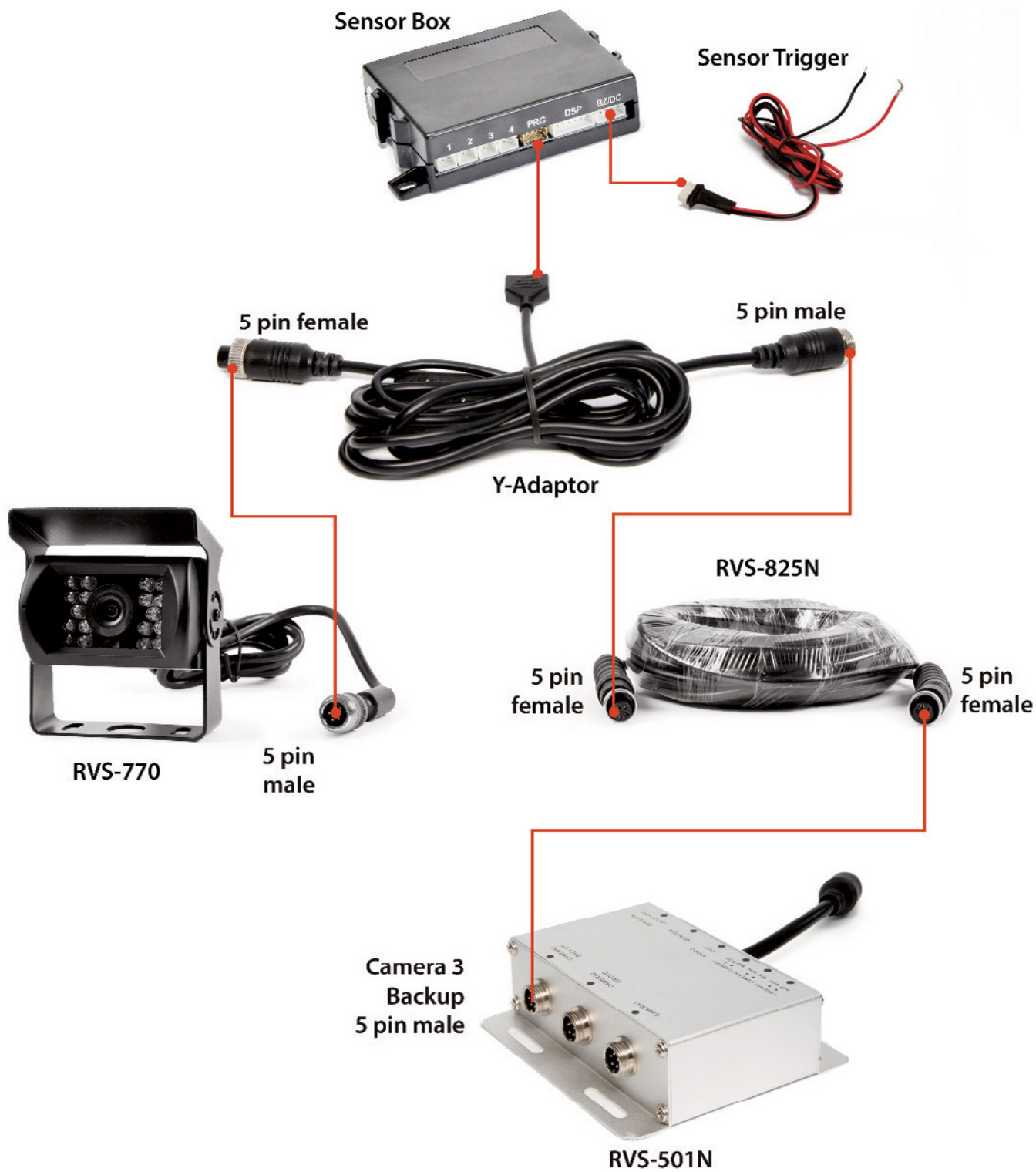
Connect the power wires (red, orange, black) into the “BZ/DC” port on the sensor box. Connect the ORANGE wire to a 12V constant power and the RED wire to a 12V reverse power. Connect the BLACK wire to a chassis ground.

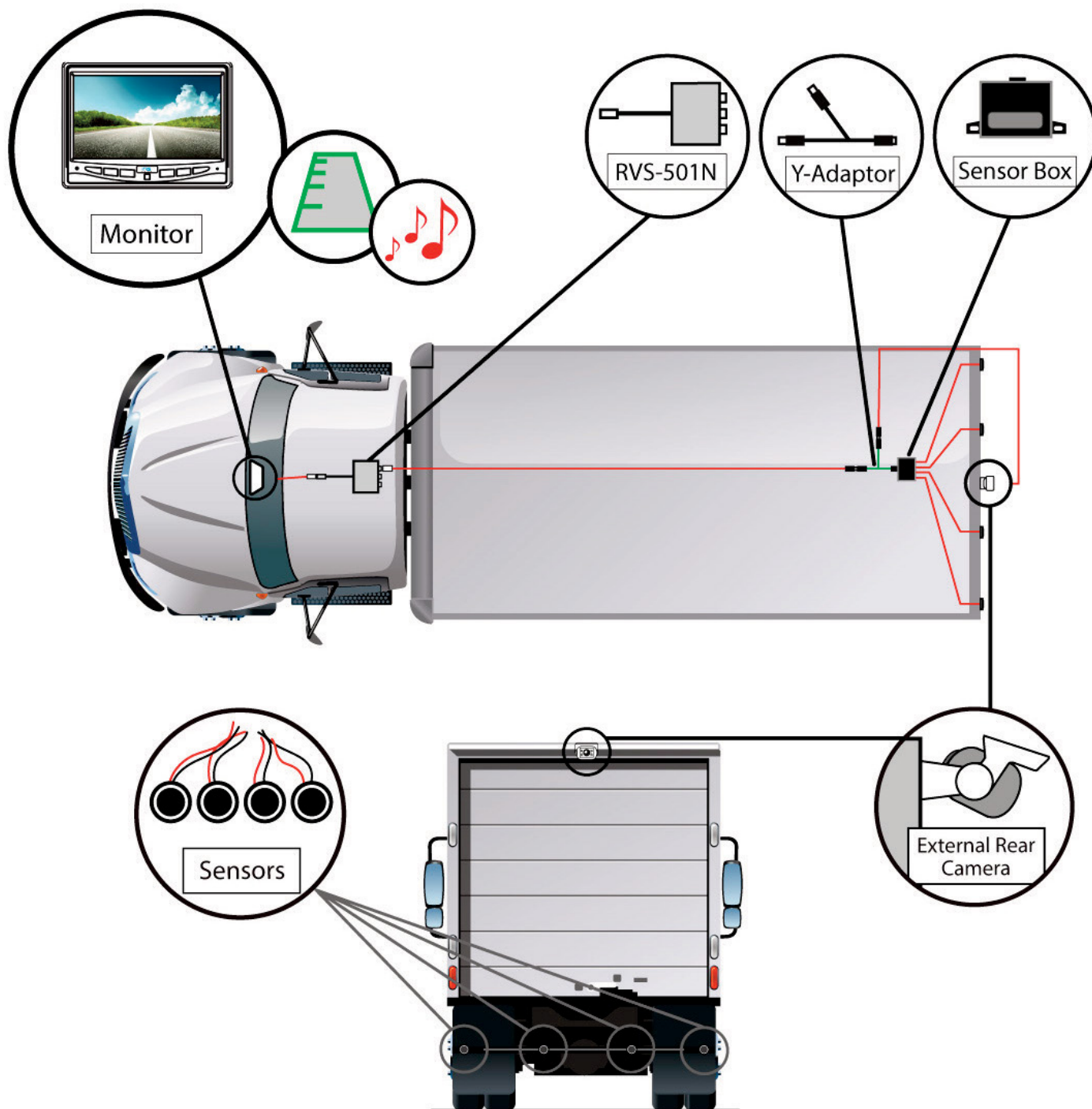
Y-Adapter

The sensors integrate into the backup camera systems and use the same cable to run through the vehicle to the monitor. Connect the Y-Adapter between the camera and the camera cable and plug the sensor connection into the “DSP” port on the sensor box.

The Multiplexer

The cable that runs through the vehicle now carries signals both from the backup camera and the sensors. Plug this cable into port #3 in the Multiplexer. In order to hear the sensor audio alerts, connect the blue trigger wire (coming off the multiplexer) to 12V reverse power.





SENSORS

4 ACOUSTIC, FLUSH MOUNT, WEATHERPROOF
DIMENSION 8MM DIAMETER X 5MM

DETECTING ANGLES

HORIZONTAL APPROXIMATELY 30 DEGREES
VERTICAL APPROXIMATELY 50 DEGREES
DETECTION RANGE 12 INCHES TO 7 FEET

SPEAKER

TYPE 40MM DIAMETER MAGNETIC
SOUND OUTPUT 80 DB AT 10 CM

POWER SPECIFICATIONS

51 – 11 TUPNI VOLTS DC
SOUND OUTPUT 3.0 W

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE 122F TO F4-

PHYSICAL SPECIFICATIONS DIMENSIONS

PROCESSOR 4.25 IN X 2.83 IN X 1.23 IN
SENSOR 0.82 IN DIAMETER X 0.51 IN
SPEAKER 2.00 IN DIAMETER X 0.75 IN
VOLUME CONTROLLER 1.70 IN X 0.51 IN X 0.40 IN

CABLE LENGTH

SENSOR CABLES 8 FT, POWER WIRES 6FT, SPEAKER CABLE 5FT
VOLUME CONTROLLER 15F

ONE YEAR WARRANTY

REAR VIEW SAFETY, INC. WARRANTS THIS PRODUCT AGAINST MATERIAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. WE RESERVE THE RIGHT TO REPAIR OR REPLACE ANY SUCH DEFECTIVE UNIT AT OUR SOLE DISCRETION. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR A DEFECT IN THE SYSTEM AS A RESULT OF MISUSE, IMPROPER INSTALLATION, DAMAGE OR MISHANDLING OF THE ELECTRONIC COMPONENTS. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND.

THIS WARRANTY IS VOID IF: DEFECTS IN MATERIALS OR WORKMANSHIP OR DAMAGES RESULT FROM REPAIRS OR ALTERATIONS WHICH HAVE BEEN MADE OR ATTEMPTED BY OTHERS OR THE UNAUTHORIZED USE OF NONCONFORMING PARTS; THE DAMAGE IS DUE TO NORMAL WEAR AND TEAR, THIS DAMAGE IS DUE TO ABUSE, IMPROPER MAINTENANCE, NEGLECT OR ACCIDENT; OR THE DAMAGE IS DUE TO USE OF THE REAR VIEW SAFETY, INC. SYSTEM AFTER PARTIAL FAILURE OR USE WITH IMPROPER ACCESSORIES.

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***Better Cameras. Better Service.
IT'S OUR GUARANTEE.***

