

REPLACEMENT PARTS:

- YA6890KT Wireless ChassisEar Kit
- YA6890 WCE Receiver Box (Rx)
- YA6891 WCE Transmitter - Channel #1
- YA6892 WCE Transmitter - Channel #2
- YA6893 WCE Transmitter - Channel #3
- YA6894 WCE Transmitter - Channel #4
- YA6895 WCE Transmitter - Channel #5 (optional - not shipped with initial kit)
- YA6896 WCE Transmitter - Channel #6 (optional - not shipped with initial kit)
- YA6897 Cable Leads/Clamps - All Channels
- YA6898 Blow Molded Case
- ZYA6890 User Manual / Warranty Card
- GOFER4A Velcro Straps (12 ea.)
- YA317-4 Nylon Straps (10 ea.)

CAUTION: When removing cable leads from transmitters, do not pull the wire or the warranty may be voided. You may damage the connection in the transmitter. Instead, hold onto the transmitter housing when removing cable lead.

IN CASE OF MALFUNCTION:
Call the Blue-Point Consumer Service Department at 800-255-7011. Describe the problem to us and we will advise you of the proper course of action.
If it becomes necessary to return your product to us, please ship the unit complete in the molded plastic case. This way it is protected from damage during shipment, and we can test your entire unit prior to returning to you.

Shipping Address: Blue-Point Repair
Attention: Consumer Service Department
5440 S. Procyon Ave.
Las Vegas, NV 89118

DO NOT RETURN ANY PRODUCT TO US WITHOUT PRIOR AUTHORIZATION, AND AN R.G.A. NUMBER. CALL FOR PRIOR AUTHORIZATION AT 800-255-7011.

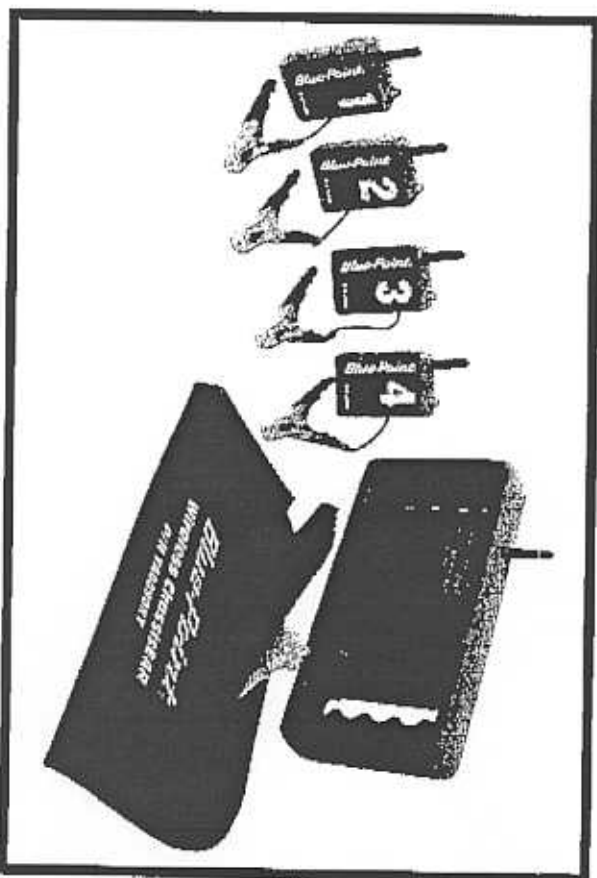
PRINTED IN CHINA

ZYA6890

USER MANUAL

Blue-Point
WIRELESS CHASSIS EAR
YA6890KT

CORDLESS ELECTRONIC LISTENING TOOL



Save **TIME** trouble-shooting with the *Wireless ChassisEar*

USE FOR:

- Road Test Diagnosis
- Under Chassis
- Under Hood
- Fuel Injectors
- Industrial Equipment
- Switches

CAUTION: It is against many state laws to operate a motor vehicle while wearing headphones.

HOW TO USE:

1) With the vehicle elevated, attach the clamps to the suspect areas. If, for example, you suspect there is a bad wheel bearing, attach the clamps, one each, per wheel bearing. Put the clamp on the tie rod or knuckle close to the inside of the wheel. In order to generate an exact cross-comparison of sounds, place the clamp on identical opposite locations. With the availability of two more channels, you could place transmitters on the transmission and differential, since many times what you think is a wheel bearing turns out to be something different. Or, if you suspect a brake problem, attach the 4 clamps adjacent to the brakes. **The closer the clamp is positioned to the suspect problem, the better sound reproduction you will get.**

2) Be sure the transmitters are securely fastened to the locations chosen. Each Transmitter has 3 methods of attachment:

- First, there are two internal magnets so that the transmitter can hold to a metal surface.
- Second, there is a velcro strap that can be wrapped around any non-moving part.
- Third, there is a spring-loaded clamp that can grab onto non-moving parts.

BE SURE EACH TRANSMITTER IS SECURELY HELD IN PLACE WITH ONE OF THESE METHODS TO AVOID LOSS OF TRANSMITTER FROM EXCESSIVE BUMPS OR SHAKING DURING ROAD TEST.

Also, carefully check for clearance of all vehicle parts that are located close to the transmitters to avoid contact/damage from movement or heat.

3) Using the location identifier note pad, record information on note pad of the location and corresponding channel for each microphone/clamp. This will allow you to properly assign the problem noise to the proper malfunctioning part while conducting the road test.

4) It is highly recommended that if headphones are used during diagnoses (there is a headphone jack available on the receiver), that there be a separate driver for the vehicle.

CAUTION: It is against many state laws to operate a motor vehicle while wearing headphones.

5) Before conducting the road test, turn on the on/off-volume control switch located on the front of the Wireless ChassisEAR Receiver. Select the first channel, and adjust the volume to the desired level. Various volume levels may reveal different sounds and problems. Initially, make a mental note of the sounds you hear as you listen. Next, push each channel according to the location, and make notes accordingly. You may make instant cross comparisons of two locations, for example, channels #2 and #4, just by pushing the channel indicators in an alternating manner.

IMPORTANT:

Make notes while driving (being cautious) as to what is heard on each channel (rattles, squeaks, grinding, whining, etc.) When you have returned to the shop, you can then zero in on the exact location of the noise/problem.

FUEL INJECTORS:

It is quick and easy to hook up the Wireless ChassisEAR clamps on the fuel injectors. The "tepping" solenoids are easily heard. If a clear metal-to-metal "ringing" sound is heard, then the injector is clean. If the "needle" inside the solenoid is making a dull "thud", then a deposit buildup more than likely exists inside the injector. A cleaning of the injectors is suggested. It is important to listen to the injectors before and after cleaning in case one is still dirty after cleaning.

LIMITED WARRANTY

Blue-Point Wireless ChassisEAR is backed by a 90 day limited warranty. This warranty covers manufacturer defects and workmanship. The warranty excludes misuse or abuse and normal wear and tear. Exclusion is not allowed in some states and may not apply. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

FCC INFORMATION - CLASS "B" DEVICE

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.

NOTE:

Changes or modifications to this equipment not expressly approved by Snap-on could void the user's authority to operate this equipment.

NOTE:

Only Cable Leads/Clamps supplied with this equipment must be used. It is the responsibility of the user to use only the accessories supplied with this equipment.

Blue-Point ChassisEAR is a versatile electronic listening tool which is designed to allow the user to listen to amplified sounds through a speaker (or optional headphones) DURING a road test. (see under "how to use")

There are up to 6 extremely sensitive microphones/clamps that can be attached adjacent to many difficult to diagnose vehicle parts.

Some of these vehicle parts/areas include:

- Wheel Bearings
- Brake Callipers
- C.V. Joints
- Leaf and Coil Springs
- Differentials
- Transmissions
- Body Squeaks and Rattles
- Under the Dash
- Fuel Injectors
- Alternators
- Water Pumps
- Smog Pumps
- Power Steering Pumps
- AC Compressors
- Industrial Equipment

During a road test under load, these parts make different sounds than when the car is on a hoist. In order to accurately diagnose an under car problem, the car must be driven during diagnoses so that all parts and bearings are under full load and actual driving conditions.

Before using the Wireless ChassisEAR for the first time, please review the components .

KIT CONTENTS - YA6590KT / Wireless ChassisEAR:

- 1 ea. - Receiver Unit (Rx)
- 4 ea. - Transmitter Units (Tx) - Channels 1-4 (Channels 5-6 optional - not shipped with kit)
- 4 ea. - Cable Leads/Clamps - For all Channels
- 1 ea. - Blow Molded Case
- 1 ea. - Vinyl Pouch
- 1 ea. - Instruction Manual / Warranty Card
- 12 ea. - Velcro Straps
- 12 ea. - Nylon Straps
- 16 ea. - AAA Batteries (Tx) 4 ea. Unit