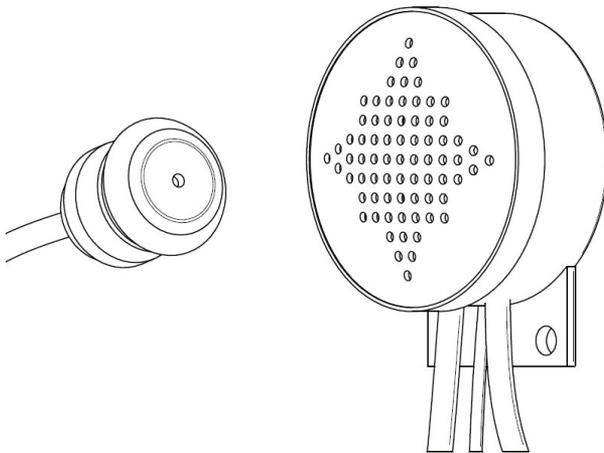




SAFE-T-SCOPE[®]

BACKUP CAMERA SYSTEMS



STSK4630
MICROPHONE AND SPEAKER KIT
INSTALLATION/USER MANUAL

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STSK4630 SAFE-T-SCOPE® MICROPHONE AND SPEAKER KIT

The new Safe-T-Scope® STSK4630 utilizes a flush-mounted condenser microphone with an integrated 2" speaker to relay the sound environment behind the vehicle when the vehicle shifts into reverse. The loud 2" speaker and sensitive condenser microphone combination allows the driver to hear audible warnings of potential obstructions or persons behind the vehicle, and the variable speaker volume allows for fine-tuning of the system. The STSK4630 kit features a weather-proof microphone designed to withstand harsh weather and regular vehicle cleaning.

NOTE

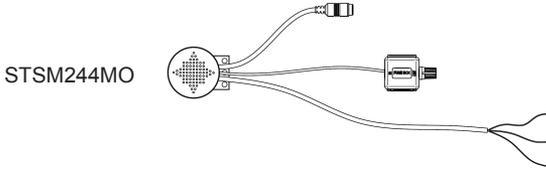
- Please read this manual carefully before using the product.
- This system is intended as an aid to safe driving operation.
- Drivers must always use extreme caution when operating a vehicle.
- Specifications subject to change without prior notice.
- Keep all cables AWAY from rotating and electrically noisy components.
- Make sure all cables are fastened properly to prevent wire chafing, kinks, cuts, etc.



WARNING

- To prevent electrical shock, DO NOT OPEN SPEAKER CASE.
- Avoid exposing speaker to water, rain, moisture etc.
- Do not disassemble the speaker or microphone. This voids the warranty.

COMPONENT LIST AND DESCRIPTION - STSK4630



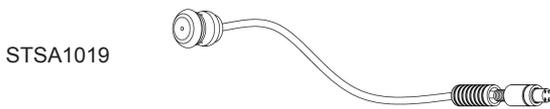
STSM244MO

2" speaker, harness with reverse trigger, remote potentiometer



STSH441

33 ft. extension harness, 4-pin input and output



STSA1019

Flush-mount microphone

SPEAKER INSTALLATION

The STSK4630 speaker is designed to attach to any surface convenient for transmission of environmental audio to the operator. Please use the .23" diameter screw holes on the mounting lobe. No. 12 screws are recommended for proper fit. Please exercise caution when mounting to the vehicle. Be sure to use screws or bolts of appropriate length and material for the mounting location you have chosen.

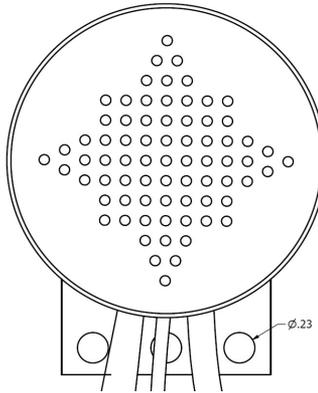


Fig. 1

WIRING INSTRUCTIONS

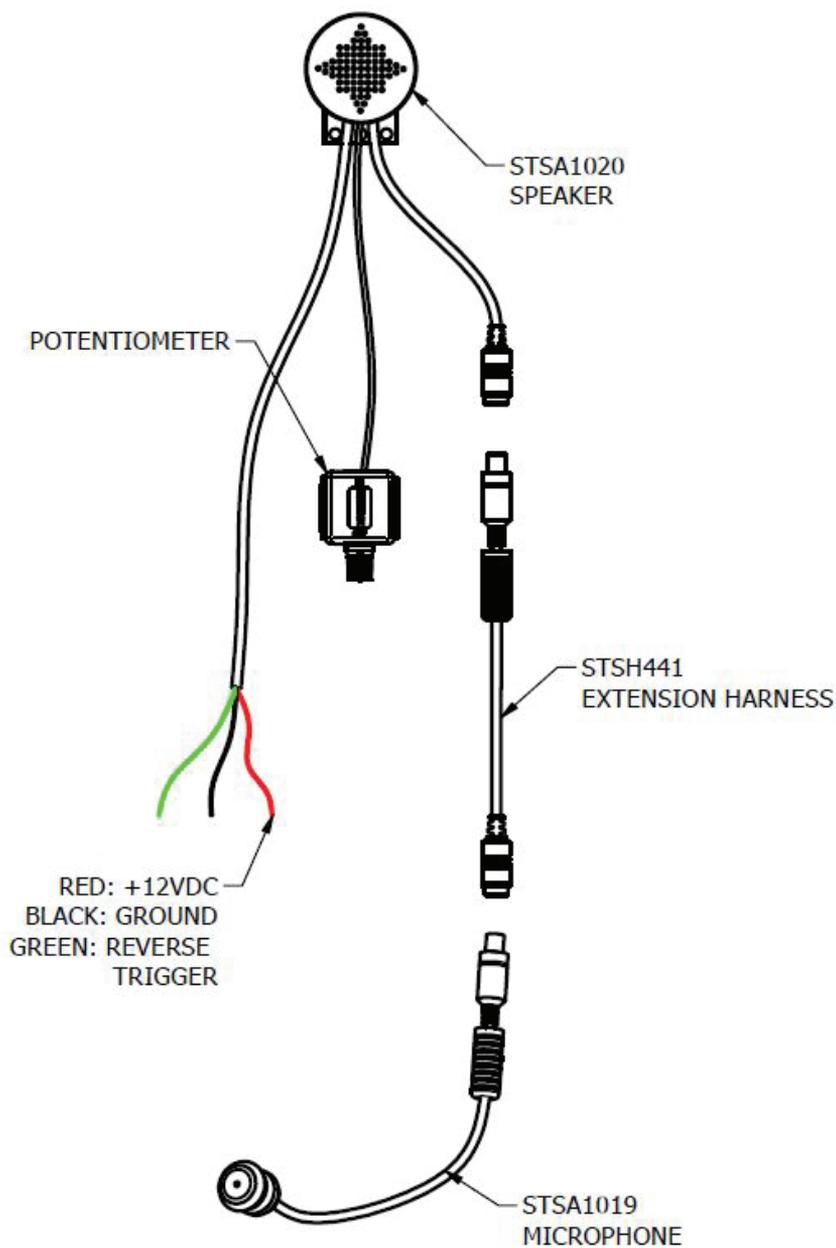
- Once the monitor is mounted, if necessary, drill a 1" diameter hole near the speaker through which to pass the microphone connection cable and power connections. Be sure to clear any obstacles before drilling holes.
- Connect the black wire of the power harness to chassis ground. Connect the red wire to an ignition switched accessory (ex. radio) power source.
- Connect the green trigger wire to the vehicle's reverse signal circuit. Do NOT connect trigger to any constant power source. Connect the STSH441 extension cable to the 4-pin connector on the speaker harness.
- Connect the STSA1019 microphone to the STSH441 extension cable.
- All connections should be completely hidden from the vehicle operators. The harness should be tied/clamped to a rigid structure or rigid existing vehicle harness.
- Adhere to a 2 inch bend radius for all cables to prevent damage.

FUEL TANKERS & OTHER SPECIALTY VEHICLES:

- All electrical equipment fitted to petroleum vehicles must be connected via battery master switch and must be isolated from the battery while the vehicles are loading and unloading. For other specialty vehicles, please check applicable codes and regulations prior to installation.
- Always consult your dealer when adding any electrical or electronic equipment to a vehicle fitted with a CAN-bus multiplex system.

WIRING DIAGRAM

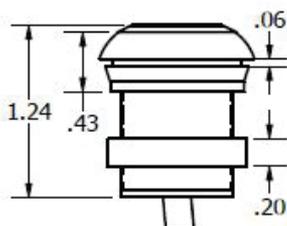
Fig. 2



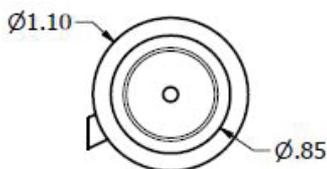
MICROPHONE INSTALLATION

EX. MICROPHONE INSTALLATION

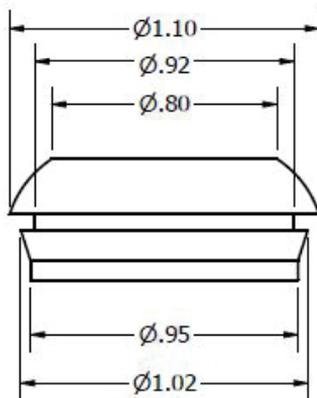
1. Select a location away from the exhaust to reduce excess noise in the microphone.
2. Once the location for the microphone is chosen, drill the mounting hole to the inside of the vehicle using a 61/64 size drill bit. Be sure to clear any obstacles before drilling the hole.
3. Place the rubber grommet into the hole, ensuring a snug fit.
4. Insert the microphone wire and microphone body through the grommet and mount securely in place.
5. To finalize the camera installation, hand-tighten the provided locking ring to the back of the microphone on the inside of the vehicle.



SIDE VIEW
SCALE 1 : 1



TOP VIEW
SCALE 1 : 1



GROMMET SIDE VIEW
SCALE 2 : 1

STSK4630 TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Speaker Size (Diameter)	2.38"
Input Format	4-pin
Trigger Inputs	1
Voltage	+12VDC
Maximum Current Consumption	200mA
Operating Temperature	-4°F to 158°F (-20°C to 70°C)
Storage Temperature	-22°F to 176°F (-30°C to 80°C)

NOTES



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