



Manuals.plus /

› HornBlasters /

› HornBlasters Rocker HK-S2-228DX Air Horn Kit Instruction Manual

HornBlasters HK-S2-228DX

HornBlasters Rocker HK-S2-228DX Air Horn Kit Instruction Manual

Model: HK-S2-228DX

[Introduction](#) [Safety Information](#) [Package Contents](#) [Setup & Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your HornBlasters Rocker HK-S2-228DX Air Horn Kit. Please read this manual thoroughly before attempting installation or use to ensure safe and optimal performance of your air horn system. This kit is designed to provide a powerful and loud audible warning signal for vehicles.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- **Hearing Protection:** Air horns produce extremely loud sounds (up to 146.7 dB). Always wear appropriate hearing protection when testing or operating the horn, especially in enclosed spaces. Prolonged exposure to loud noise can cause permanent hearing damage.
- **Electrical Safety:** Disconnect the vehicle's battery before performing any electrical work. Ensure all wiring connections are secure and properly insulated to prevent short circuits and electrical fires. Use fuses as specified.
- **Air Pressure Safety:** The air tank operates under high pressure. Never exceed the maximum rated pressure of the tank or compressor. Do not modify the pressure relief valve. Ensure all air lines and fittings are securely connected to prevent leaks and potential injury.
- **Mounting:** Mount all components securely to a stable surface to prevent them from becoming dislodged during vehicle operation. Ensure horns are mounted in a location that does not obstruct vision or interfere with vehicle safety systems.

- **Ventilation:** Ensure the air compressor is mounted in a well-ventilated area to prevent overheating.
- **Legal Use:** Be aware of and comply with all local and national laws regarding the use of air horns on public roads.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your kit:

- Two (2) Rocker Air Horns
- One (1) Air Compressor
- One (1) Air Tank
- Air Lines and Fittings
- Mounting Hardware (bolts, nuts, washers, brackets)
- Wiring Kit (fuses, fuse holder, relay, connectors, wire)



Image 3.1: Main components of the HornBlasters Rocker HK-S2-228DX Air Horn Kit, showing the two black air horns, coiled air lines, and various brass and plastic fittings.



Image 3.2: Electrical wiring components for the kit, including red, blue, and grey wires, an inline fuse holder, various spade and ring terminals, and multiple automotive fuses.

4. SETUP & INSTALLATION

Installation requires basic mechanical and electrical knowledge. If you are unsure about any step, consult a professional installer.

4.1. Mounting the Air Horns

1. Select a suitable mounting location for the horns. This should be a sturdy, flat surface, preferably away from direct engine heat and road debris. Common locations include under the vehicle, behind the grille, or in the engine bay if space permits.
2. Ensure the horns are positioned so that water can drain out of the bells.
3. Use the provided mounting hardware to securely fasten the horns to the chosen location. Drill pilot holes if necessary.



Image 4.1: Detail of the horn mounting brackets, illustrating the secure attachment points for the horns.

4.2. Mounting the Air Compressor and Tank

1. Find a dry, secure, and well-ventilated location for the air compressor and tank assembly. This could be in the trunk, under the bed of a truck, or in a utility compartment.
2. Use the provided brackets and hardware to mount the compressor and tank assembly firmly. Ensure there is enough clearance around the compressor for airflow.



Image 4.2: The air compressor and tank unit, ready for mounting. Note the pressure gauge and various ports.

4.3. Air Line Connections

1. Connect the air line from the air tank's output port to the solenoid valve on the horns. Ensure a tight, leak-free connection.
2. Connect the air line from the compressor's output to the air tank's input port.
3. Install the pressure switch and safety relief valve into the designated ports on the air tank.
4. Route air lines carefully, avoiding sharp bends, hot engine components, and moving parts. Secure lines with zip ties or clamps.

4.4. Electrical Wiring

Refer to the wiring diagram provided with your kit (if applicable) for specific connections. General steps include:

1. **Compressor Power:** Connect the positive (+) wire from the compressor to a fused 12V power source (e.g., directly to the battery via a relay and appropriate fuse). Connect the negative (-) wire to a good chassis ground.
2. **Pressure Switch:** Wire the pressure switch to control the compressor, ensuring it turns the compressor on when tank pressure drops below a set point and off when it reaches the maximum.

3. **Horn Activation:** Connect the horn solenoid valve to a momentary switch (not included) in the vehicle's cabin. This switch will activate the horn when pressed. Power for the solenoid should also be fused.
4. **Relay Use:** For optimal performance and to protect your vehicle's electrical system, it is highly recommended to use a relay for both the compressor and the horn solenoid, especially if drawing significant current.

5. OPERATION

Once installation is complete and all connections are verified:

1. Reconnect the vehicle's battery.
2. The air compressor should automatically turn on to fill the air tank to the set pressure. Monitor the pressure gauge to ensure it reaches the maximum operating pressure and then shuts off.
3. Press the momentary horn activation switch to sound the horns. Release the switch to stop the sound.
4. The compressor will cycle on and off as needed to maintain pressure in the air tank.

Warning: Do not hold the horn button for extended periods beyond the maximum honk time (10-14 seconds) to prevent compressor overheating and potential damage.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your air horn kit:

- **Check for Air Leaks:** Periodically check all air line connections and fittings for leaks. A soapy water solution can be sprayed on connections; bubbles indicate a leak. Tighten or replace fittings as necessary.
- **Drain Air Tank:** Moisture can accumulate in the air tank. Regularly drain the tank using the drain valve (if equipped) to prevent rust and corrosion.
- **Inspect Electrical Connections:** Ensure all wiring connections are clean, tight, and free from corrosion. Check fuses for continuity.
- **Clean Horns:** Keep the horn bells free of dirt, debris, and insects to ensure unobstructed sound output.
- **Compressor Filter:** If your compressor has an air filter, inspect and clean or replace it according to the manufacturer's recommendations.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Horn does not sound	<ul style="list-style-type: none"> No air pressure in tank Blown fuse Faulty wiring/connection Faulty horn solenoid Faulty activation switch 	<ul style="list-style-type: none"> Check compressor operation and tank pressure. Inspect and replace fuse. Verify all electrical connections. Test solenoid for proper function. Test switch for continuity.
Weak or inconsistent horn sound	<ul style="list-style-type: none"> Low air pressure Air leak in system Obstruction in horn bell 	<ul style="list-style-type: none"> Allow compressor to fully charge tank. Check all air lines and fittings for leaks. Inspect horn bells and remove any debris.
Compressor does not run	<ul style="list-style-type: none"> No power to compressor Blown fuse Faulty pressure switch Overheating (thermal cutout engaged) 	<ul style="list-style-type: none"> Check power supply and ground. Inspect and replace fuse. Test pressure switch. Allow compressor to cool down. Ensure adequate ventilation.
Air leaks	<ul style="list-style-type: none"> Loose fittings Damaged air line Faulty pressure switch or safety valve 	<ul style="list-style-type: none"> Tighten all fittings. Inspect air lines for cuts or cracks; replace if damaged. Check components for proper sealing.

8. SPECIFICATIONS

- **Brand:** HornBlasters
- **Model:** HK-S2-228DX
- **Noise Level:** 146.7 Decibels
- **Voltage:** 12 Volts
- **Material (Diaphragms):** Stainless Steel
- **Product Dimensions (L x W x H):** 53.3 x 53.3 x 40.6 Centimeters
- **Item Weight:** 14.51 kg
- **Maximum Honk Time:** 10 to 14 Seconds

9. WARRANTY & SUPPORT

For warranty information, technical support, or replacement parts, please contact HornBlasters directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

For further assistance, visit: www.hornblasters.com