

ATTENTION!

This System has an airflow sensor and must be installed in the HVAC system in an area that has sufficient airflow to activate the sensor.

Please contact our customer care department with any questions.

service@odorstop.com
1 (888) 956-7468





OS36PRO | OS72PRO | OS144PRO UV Air Treatment System



OdorStop, LLC
5139 Southwestern Blvd,
Hamburg, NY 14075 USA
Phone: 1 (888) 956-7468
Fax: 1 (716) 648-6406

Purchase Date: _____

Serial Number: _____

Purchased From: _____

www.OdorStop.com

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READ INSTRUCTIONS COMPLETELY BEFORE INSTALLATION

Congratulations, you have purchased a state-of-the-art UV air treatment system. It is designed to offer years of trouble-free service and sanitize the air to produce the cleanest, freshest air possible.

WARNINGS

UV LIGHTS CAN BE HARMFUL TO BARE SKIN AND EYES AND CAN CAUSE TEMPORARY OR PERMANENT LOSS OF VISION.

- Never look at bulb(s) while illuminated.
- Disconnect power to Ultraviolet System before servicing any part of HVAC system.
- Do not mount device in location that allows ultraviolet light to be seen while in use.
- System has no serviceable parts and should never be opened.
- Power supply can cause electrical shock and death.
- Disconnect power supply before cleaning or replacing UV bulb(s).
- UV bulbs are made of glass and can cause personal injury.
- Wear protective gloves when handling bulb(s) and installing bulbs into system base.
- System should be turned off at least 15 minutes before removing UV bulb(s).
- Bulbs contain mercury and must be disposed of properly.
- Sweep up any broken glass and do not use a household vacuum.
- UV lights can cause degradation of some plastic and rubber materials. Plastic and rubber may be covered with aluminum foil tape to protect them from the UV light.
- Take proper care when cutting holes or working with sheet metal as edges are sharp and can cause severe injury and death. Wear protective gloves, eye, ear and face protection.
- To prevent water damage or electric shock, do not mount system under a humidifier.
- Do not use UV system near water.
- System is designed for indoor installation on a closed duct system and should never be installed near a return air opening.
- Be sure you are familiar with and able to safely use all tools required for installation.

INSTALLATION

How To Install Your OdorStop UV Air Treatment System

If your heating/cooling (HVAC) system is equipped with air conditioning, it is recommended that the UV Air Treatment System (unit) be mounted directly above the cooling coil. The OS36/OS72 can prevent the growth of a high percentage of micro-organisms such as mold, bacteria, and viruses on surfaces such as cooling coils, drain pans, and duct work.

Selecting Mounting Location

1. If heating/cooling (HVAC) system is equipped with air conditioning, it is recommended that the UV Air Treatment System be mounted directly above the cooling coil ("A Coil").
2. The unit can be mounted in any orientation, but should be mounted in a way that the LED indicator light(s) can be seen.
3. Choose a location that will make changing/cleaning of the UV bulb(s) easy.
4. Install unit on a flat surface of the duct work ABOVE the air conditioning cooling coil ("A Coil") if your HVAC system has air conditioning. If your HVAC system does not have air conditioning, the unit should be installed on the supply air duct if possible. The unit can be installed on a return air duct if necessary.

CAUTION: DO NOT install the unit in the "A coil" or under a humidifier as damage may occur. If you are unsure if you have chosen a correct mounting location, refer to your HVAC system's owners manual or call a qualified professional for assistance.

5. Select a mounting location that has a minimum depth of 17 inches if installing a system with 16" bulbs and 13 inches for a system with 12" bulbs.
6. Be sure to locate the unit away from any plastic or rubber components that may be damaged by UV light. If mounting options are limited, plastic and rubber may be covered with aluminum foil tape to protect them from the UV light.
7. The unit has a 6 foot long power cord and must be installed within reach of a 120 Volt grounded power outlet. Have a qualified professional install a properly grounded power outlet if there is not one within range of the power cord.

Included:

- UV System
- 8 Sheet Metal Mounting Screws
- UV Bulb(s)-1 for OS36, 2 for OS72, 4 for OS144
- Spare Fuse
- Instruction Manual

Tools Required For Installation:

- Drill
- 1/8" Drill Bit
- 1/4" Nut Driver
- Tin Snips
- 2 1/2" Metal Cutting Hole Saw



CAUTION: BE SURE TO WEAR APPROPRIATE PROTECTION (I.E. HAND, EAR, EYE, AND FACE PROTECTION) AS CUTTING METAL IS LOUD AND PIECES MAY BE SHARP AND HOT

1. Turn the power to the HVAC system off before installing the system.



2. Select the correct template and tape it to the duct work in the intended installation position.



3. For **OS36** and **OS72**: Pre-drill two (2) 1/8" holes where indicated.

For **OS144**: Pre-drill four (4) 1/8" holes where indicated.

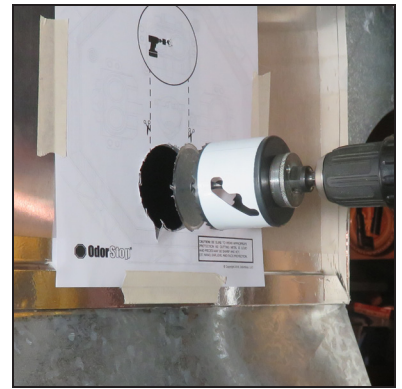


4. For **OS36** and **OS72**: Drill two (2) - 2 1/2" holes where indicated.

For **OS144**: Drill four (4) - 2 1/2" holes where indicated. Remove any burrs and be sure duct surface is flat after cutting holes.



5. Take care to prevent the metal disc from falling into the HVAC system.
NOTE: If the disc falls into the HVAC system it will not negatively affect its operation.



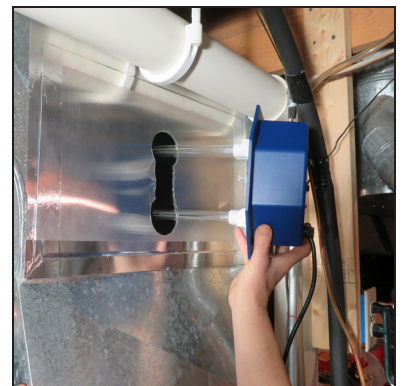
6. Use tin snips to cut out the metal ducting between the drilled holes along dotted lines as shown in step 5.



7. Install bulb(s) by sliding them in from the inside until bulb snaps into place. **NOTE:** If the bulb(s) are touched, use a cloth to wipe off fingerprints.



8. Insert system into metal duct work.



9. Attach the system to duct work with the 8 sheet metal screws using a 1/4" nut driver. Make sure to tighten screws evenly.

CAUTION: DO NOT OVERTIGHTEN SCREWS.

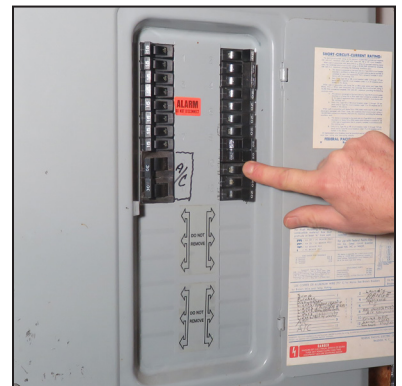


10. Plug the system into a grounded 120V power outlet.

Do not use an extension cord.



11. Turn the power to the HVAC system on.



12. Set the fan switch on the thermostat to the "ON" position.

NOTE: It is recommended that the system be run continuously for at least **24 hours** to "jump start" the sanitizing process. The UV System will run as long as airflow is detected. During this time, a unique odor may be present as the UV System is killing mold, mildew, bacteria, and viruses that are present.

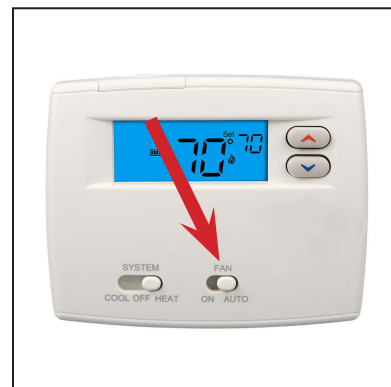


13. Turn the system on (solid line on the switch pressed down) and verify that the LED indicator light(s) are illuminated.

NOTE: The system will not turn on unless air is moving in the duct. If green LED light(s) are not illuminated, see troubleshooting section. UV air treatment system is now operational and does not need to be powered off unless it needs to be serviced.



14. After 24 hours, set the fan switch on the thermostat into "AUTO" mode. The system is now operational and will only turn on when air flow is detected.



NEVER LOOK DIRECTLY AT OR TOUCH A UV BULB WHILE ILLUMINATED.

Maintaining Your UV Air Treatment System

In order to keep your system operating at maximum effectiveness, it is recommended that you **clean the UV bulb(s) every 3 months and replace every year.**

Bulb Cleaning and Replacement

1. Turn the power to HVAC system off, unplug UV system, and allow UV bulb(s) to cool for at least 15 minutes before attempting to remove UV system.
2. Remove 8 sheet metal screws and slide UV system out of duct work.
- 3a. To Clean: Hold the UV system securely and wipe the UV bulb(s) with a soft cloth dampened with glass cleaner. If you touch the glass with your hand, be sure to wipe away any fingerprints or dirt with cloth. Make sure bulb is clean and dry before installing system back into duct.
- 3b. To Replace: Visit **www.OdorStop.com** to purchase new UV bulbs if needed. Use of any bulb not approved for system by OdorStop will void the warranty and could cause damage to system or serious injury. Hold the UV system securely and push the bulb release button(s) to remove the UV bulb(s). Install new bulb(s) in system by sliding the bulb(s) in from the inside until bulb snaps into place. If you touch the glass with your hand, be sure to wipe away any fingerprints or dirt with a soft damp cloth. Make sure bulb(s) is clean and dry before installing system back into duct.

Troubleshooting

The OdorStop UV Air Treatment System is equipped with LED indicator light(s) that verify that the system is working properly. The OS36 has 1 LED, the OS72 has 2 LEDs, and the OS144 has 4 LEDs. The LED light(s) will not shut off when the bulb needs replacement. They will only shut off if the bulb is faulty. The OS72 and OS144 will operate with one properly functioning bulb.

LED lights indicate the following:

- **LED light(s) is/are green** - the system and bulbs(s) are functioning properly.
- **One or more LED lights are blinking** - Bulb(s) is/are faulty - replace the bulb(s). If LED does not turn on solid green, system is faulty and should be replaced.
- **One or more LED lights are not illuminated** – possible problems:
 - There is no power to the system – verify that system is plugged in and turned on.
 - There is no air moving through the system – turn system on
 - The bulb(s) is/are faulty - replace bulb(s).
 - The fuse on the system is faulty - replace the fuse.
 - Insufficient airflow to activate the airflow sensor - The lead for the airflow sensor must be extended into flow of air as follows:
 - 1) Turn the power to HVAC system off and unplug UV system.
 - 2) Remove the UV system.
 - 3) Clip the “zip strip” and unwrap the sensor lead from the stand off clips.
 - 4) Extend the sensor lead away from the UV bulb base.
 - 5) Re-install the UV system and follow instructions on page 5 of this manual.



SERVICE AND WARRANTY

OdorStop warrants to the original purchaser that this purifier is free from any defect in materials and workmanship for two (2) years from the date of purchase. OdorStop will replace or repair the system without charge to the customer. This warranty does not include UV bulb(s). To obtain warranty service, please return the system in a suitable package to: OdorStop Customer Service, 5139 Southwestern Blvd., Hamburg, NY 14075

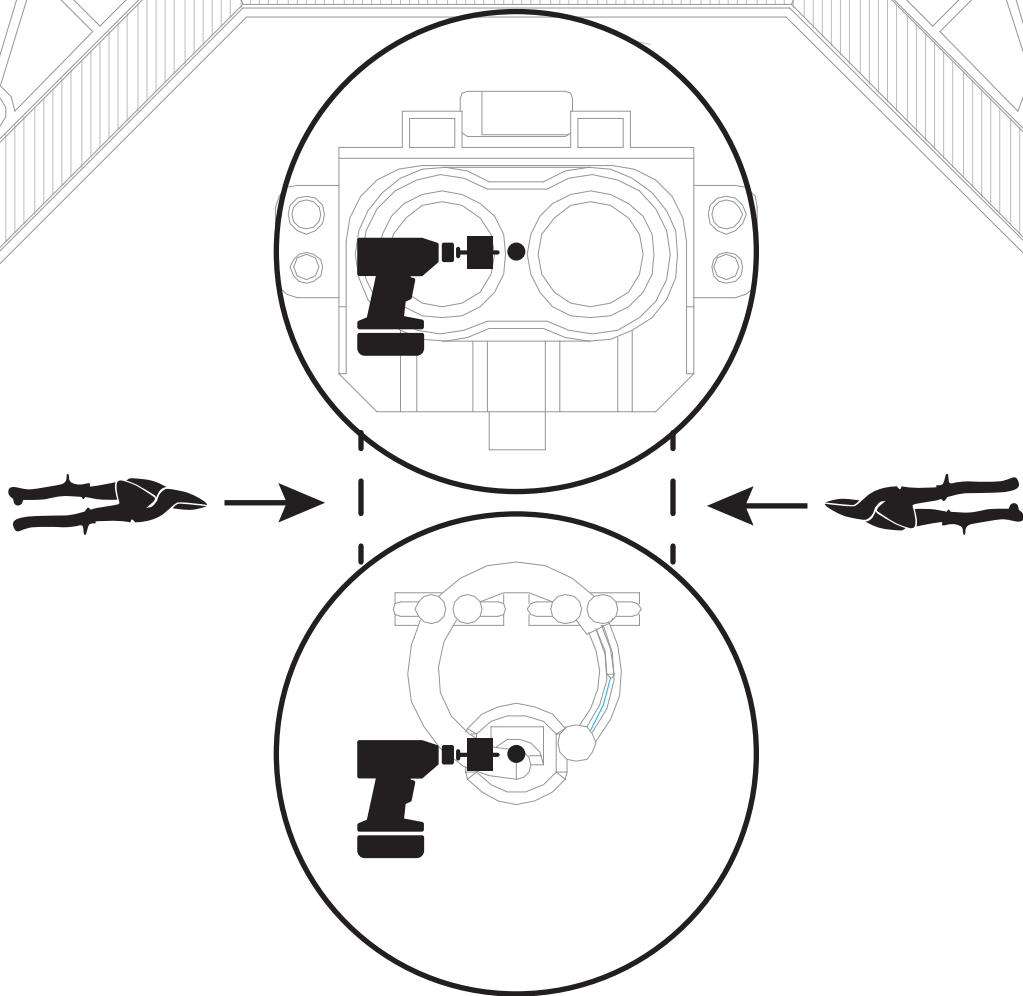
OdorStop UV Air Treatment System

OS36PRO INSTALLATION TEMPLATE

STEP 1 - TAPE TEMPLATE TO DUCTWORK

STEP 2 - DRILL HOLES WITH 2 1/2" HOLE SAW 

STEP 3 - SNIP METAL ALONG DASHED LINES 



CAUTION: BE SURE TO WEAR APPROPRIATE PROTECTION (I.E. HAND, EAR, EYE, AND FACE PROTECTION) AS CUTTING METAL IS LOUD AND PIECES MAY BE SHARP AND HOT.

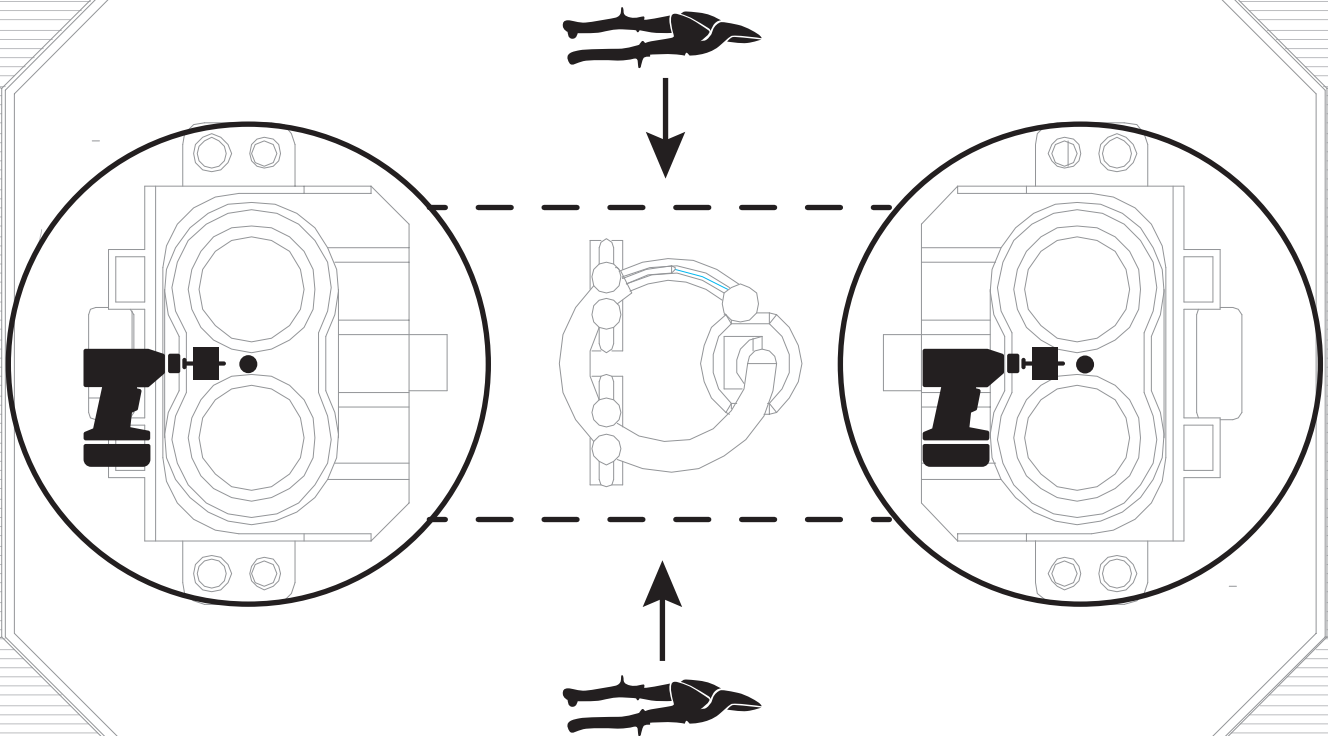
OdorStop UV Air Treatment System

OS72PRO INSTALLATION TEMPLATE

STEP 1 - TAPE TEMPLATE TO DUCTWORK

STEP 2 - DRILL HOLES WITH 2 1/2" HOLE SAW 

STEP 3 - SNIP METAL ALONG DASHED LINES 



CAUTION: BE SURE TO WEAR APPROPRIATE PROTECTION (I.E. HAND, EAR, EYE, AND FACE PROTECTION) AS CUTTING METAL IS LOUD AND PIECES MAY BE SHARP AND HOT.

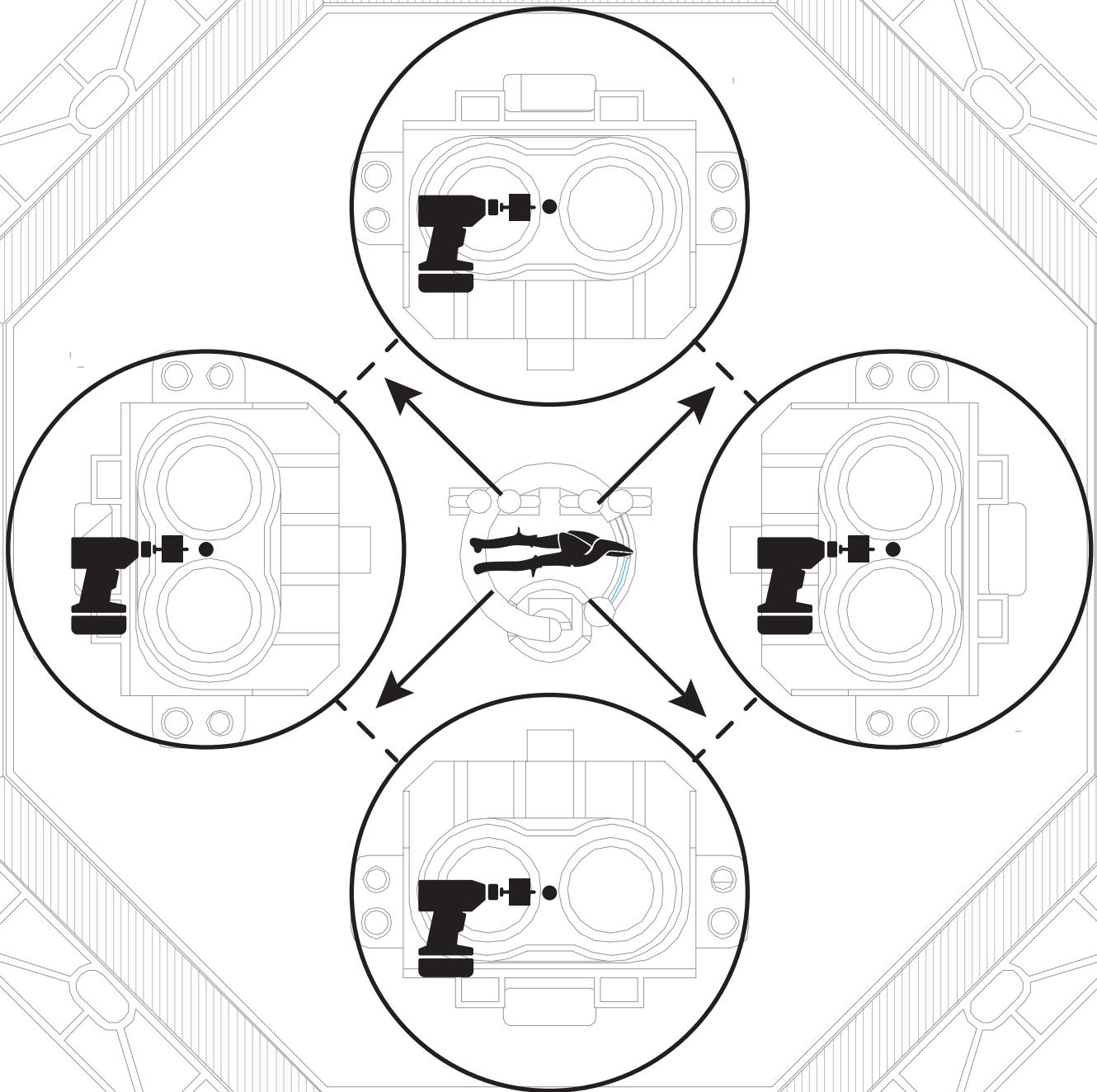
OdorStop UV Air Treatment System

OS144PRO INSTALLATION TEMPLATE

STEP 1 - TAPE TEMPLATE TO DUCTWORK

STEP 2 - DRILL HOLES WITH 2 1/2" HOLE SAW 

STEP 3 - SNIP METAL ALONG DASHED LINES 



CAUTION: BE SURE TO WEAR APPROPRIATE PROTECTION (I.E. HAND, EAR, EYE, AND FACE PROTECTION) AS CUTTING METAL IS LOUD AND PIECES MAY BE SHARP AND HOT.