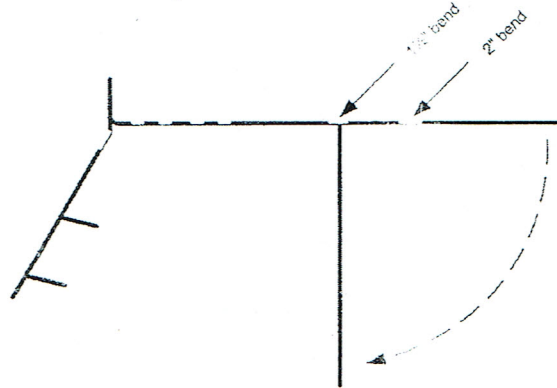
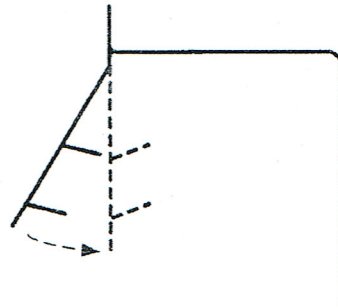


### JAWS III Grille Clip Forming 1 1/2" Ductboard Clip

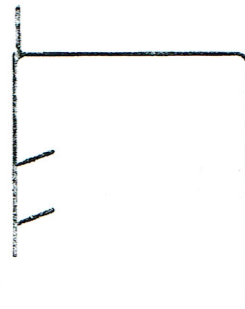
**Step 1**  
At 1 1/2" bend punch, fold the flat leg into an 'L' shape (90°) towards tooth leg. Result is a 'U' shape with 1 1/2" gap to fit onto 1 1/2" ductboard."



**Step 2**  
Position onto ductboard, squeeze tooth leg into interior of ductboard.

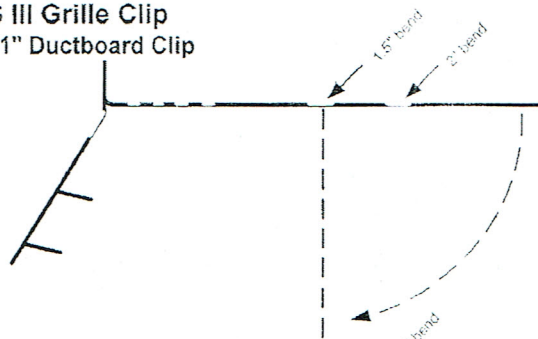


**Result**  
Clip fits 1 1/2" ductboard.

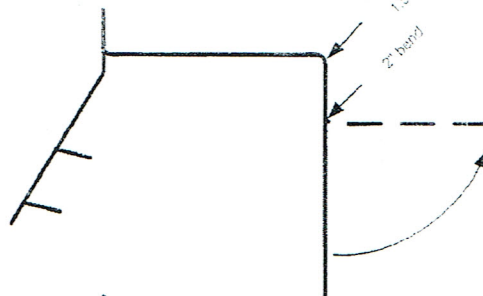


### JAWS III Grille Clip Forming 1" Ductboard Clip

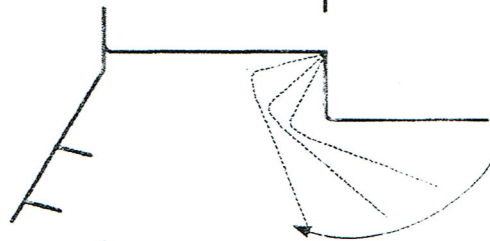
**Step 1**  
At 1 1/2" bend punch, fold the flat leg into an 'L' shape (90°) towards tooth leg. Result is a 'U' shape with 1 1/2" gap.



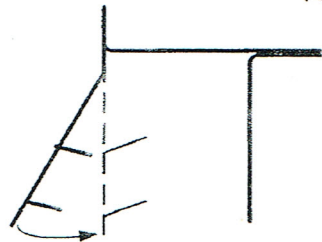
**Step 2**  
At 2" bend punch, bend the 'L' shape leg 90° away from the tooth leg into a 'Z'.



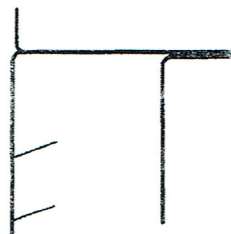
**Step 3**  
Bend 'Z' 90° back onto itself. Result is a modified 'U' shape.



**Step 4**  
Position onto ductboard, squeeze tooth leg into interior of ductboard.



**Result**  
Clip fits 1" ductboard

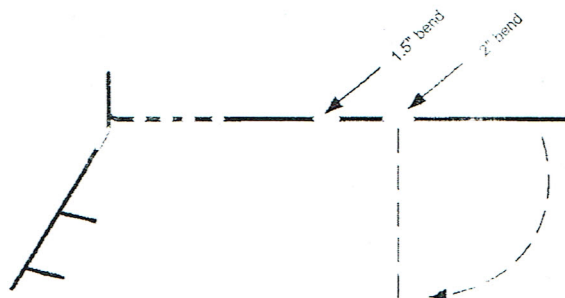


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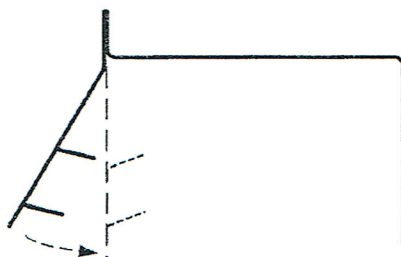
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### JAWS III Grille Clip Forming 2" Ductboard Clip

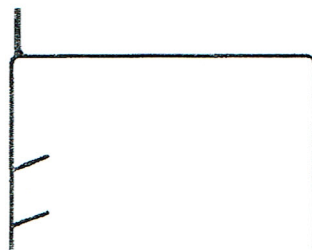
**Step 1**  
At 2" bend punch, fold the flat leg into an "L" shape (90 degrees) towards tooth leg. Result is a "U" shape with 2" gap to fit onto 2" ductboard.



**Step 2**  
Position onto ductboard, squeeze tooth leg into interior of ductboard.



**Result**  
Clip fit 2" ductboard.



In late June 2001, Texas Governor Rick Perry signed into law the nation's most innovative incentive based program to reduce emissions and clean up the air - Senate Bill 5. The bill establishes the Texas Emission Reduction Plan (TERP) which will contribute toward helping Texas meet federal air standards established by the Clean Air Act. This legislation was sponsored by Lake Jackson area State Senator, Buster Brown and became effective September 1, 2002.

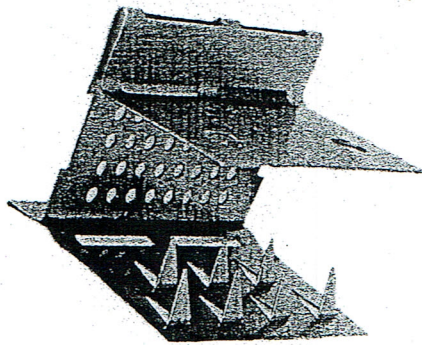
This legislation deals with the complex set of issues affecting air quality and compliance with the federal standards. Texas air quality has been declining and is not in compliance with the established guidelines. As a result in 2001, the Houston-Galveston and Dallas-Fort Worth areas were banned from early morning construction and were required to begin replacing of certain types of equipment, as well as lowering speed limits. By enactment of Senate Bill 5 and establishment of TERP the state received some credit which delayed or modified some of those restrictions. Texas has until 2007 to meet the air quality standards or risk sever sanctions by the Environmental Protection Agency, including losing federal highway funding.

The creation of TERP established incentive based programs to reduce emissions and gain energy efficiency. The bill deals with a diesel emission replacement program, a low emission vehicle incentive program, a new technology research and development program, and an **energy efficiency program**. A copy of Senate Bill 5 is provided at Tab 6.

The energy efficiency program is designed to reduce consumption of energy thus reducing the costs of producing energy, and the emissions therefrom. In an effort to standardize the efficiency among structures Texas has adopted the *2000 International Residential Code* and the *2000 International Energy Efficiency Code* as the governing construction and remodeling code for Texas. Together these codes deal with construction and modifications of residential, multi-family, commercial, and industrial structures. Among many other building practices and materials improvements, these codes require increased insulation R factors in HVAC ducting, wall, floor and ceiling insulation.

Currently the primary types of HVAC ducting are fiberglass ductboard, fiberglass flex-duct, and metal duct. With the increased R factor required values, each of these types of ducting will be required to increase its R value. The new guidelines are for minimum R value ratings ranging from R4 to R6 to R8 (e.g. 1" insulation, 1 1/2" insulation and 2" insulation, respectively).

# Forming the JAWS III Grille Clip for 1", 1 1/2" and 2" Ductboard



## 1" Clip

JAWS III Grille Clip  
Forming 1" Ductboard Clip

**Step 1**  
At 1 1/2" bend punch, fold the flat leg into an 'L' shape (90°) towards tooth leg. Result is a 'U' shape with 1 1/2" gap.

**Step 2**  
At 2" bend punch, bend the 'L' shape leg 90° away from the tooth leg into a 'Z'.

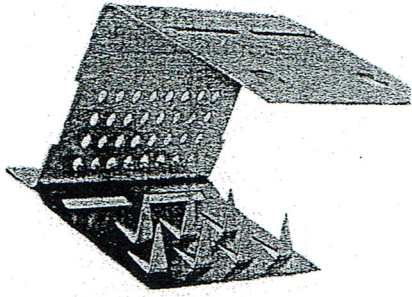
**Step 3**  
Bend 'Z' 90° back onto itself. Result is a modified 'U' shape.

**Step 4**  
Position onto ductboard, squeeze tooth leg into interior of ductboard.

**Result**  
Clip fits 1" ductboard

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## 1 1/2" Clip

JAWS III Grille Clip  
Forming 1 1/2" Ductboard Clip

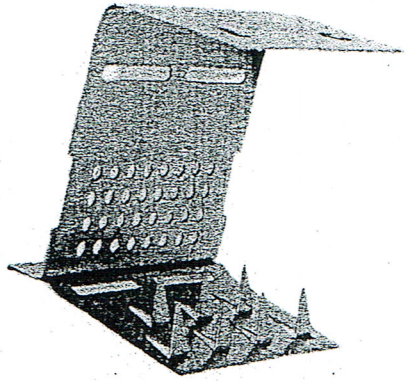
**Step 1**  
At 1 1/2" bend punch, fold the flat leg into an 'L' shape (90°) towards tooth leg. Result is a 'U' shape with 1 1/2" gap to fit onto 1 1/2" ductboard.

**Step 2**  
Position onto ductboard, squeeze tooth leg into interior of ductboard.

**Result**  
Clip fits 1 1/2" ductboard.

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## 2" Clip

JAWS III Grille Clip  
Forming 2" Ductboard Clip

**Step 1**  
At 2" bend punch, fold the flat leg into an 'L' shape (90 degrees) towards tooth leg. Result is a 'U' shape with 2" gap to fit onto 2" ductboard.

**Step 2**  
Position onto ductboard, squeeze tooth leg into interior of ductboard.

**Result**  
Clip fits 2" ductboard.

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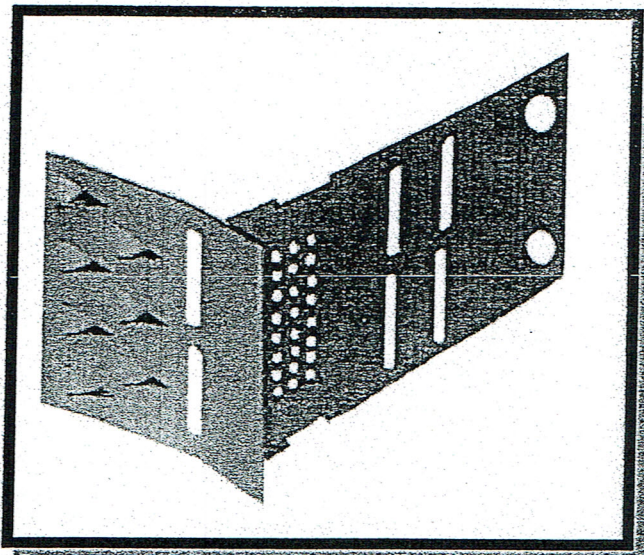
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**JAWS III Grille Clips**

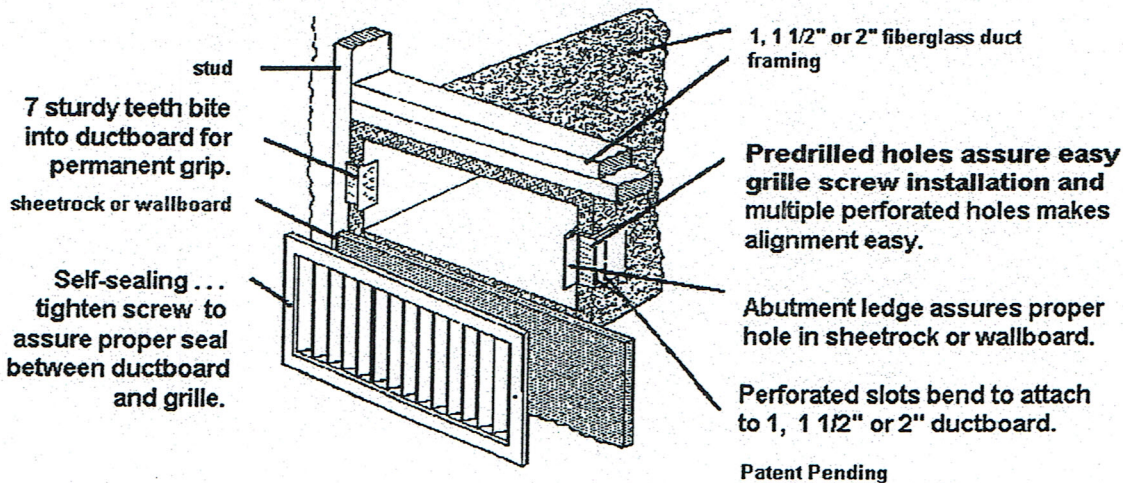
*They are **HERE***

*ready to be shipped to **YOU!!***

The new adjustable Grille Clip fits  
1", 1½" and 2" ductboard



- *Energy Code Compliant*
- *Fast*
- *Easy*
- *Effective*
- *Economical*
- *Packed 250 per case*
- *Patent Pending*



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