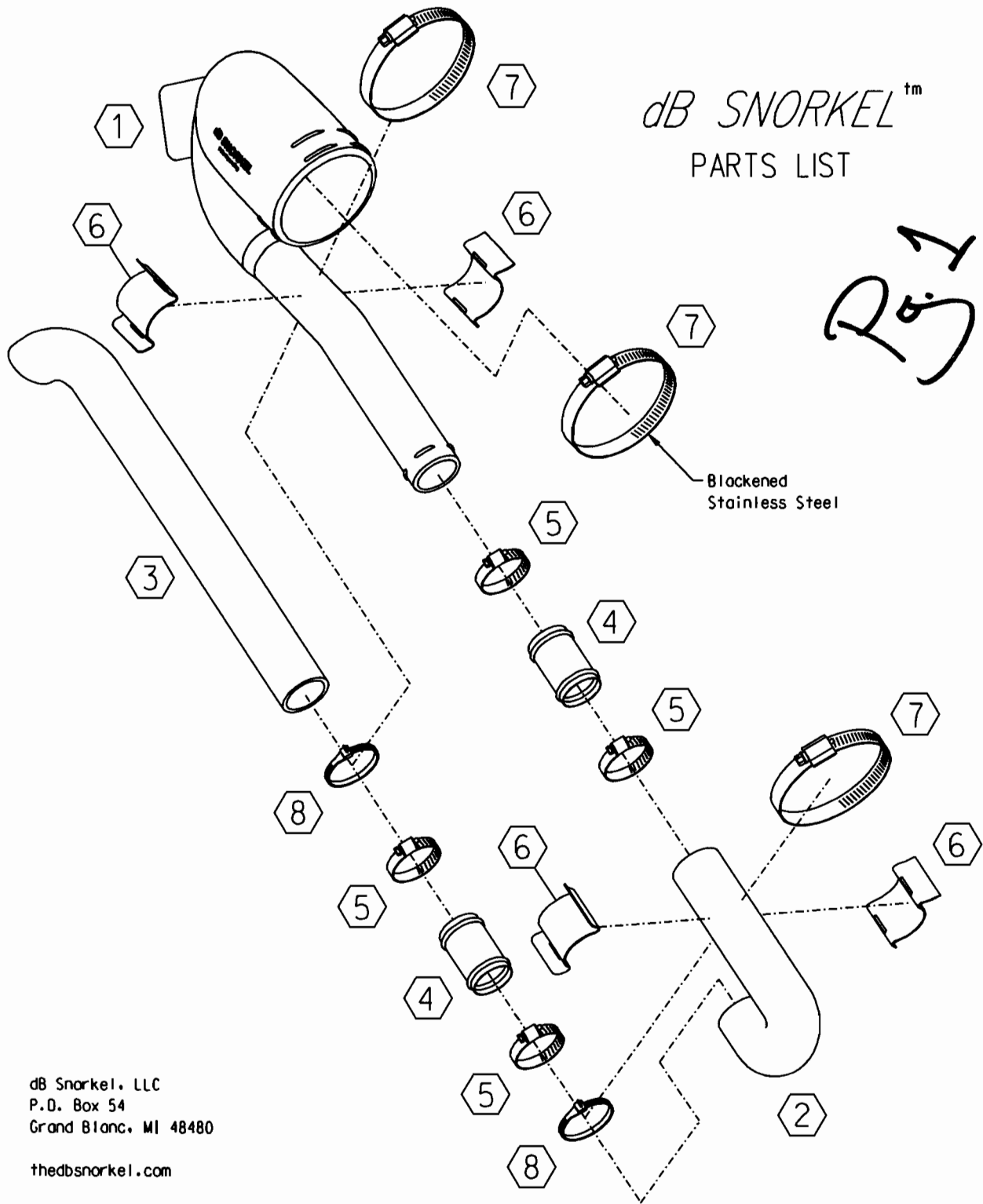


dB SNORKEL™
PARTS LIST

Rg 1



dB Snorkel, LLC
P.O. Box 54
Grand Blanc, MI 48480




thedbsnorkel.com

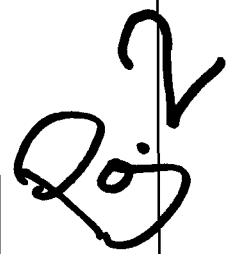
The following parts are included in your dB SNORKEL 2-Stroke Exhaust Stealth Kit:

	Name of Part	Quantity	Comment
①	MAIN BODY	ONE EACH	
②	J-TUBE	ONE EACH	
③	L-TUBE	ONE EACH	
④	BEADED CONNECTOR	2 EACH	
⑤	SMALL BAND CLAMP	4 EACH	Coated with black oxide
⑥	MOUNT HALF	4 EACH	MOUNT HALVES are used in pairs
⑦	LARGE BAND CLAMP	3 EACH	One LARGE BAND CLAMP is coated with black oxide.
⑧	NYLON CABLE-TIE	4 EACH	Two spare CABLE TIES are included

THOROUGHLY READ THESE INSTALLATION INSTRUCTIONS BEFORE INSTALLING THE dB SNORKEL

Warnings and Disclaimers:

- These instructions describe a typical installation on a "competition-style" dirt bike.
-  Because the dB Snorkel adapts to a variety of motorcycle and quad silencers and motorcycle and quad configurations, it is the responsibility of the end user to determine if the dB Snorkel properly fits the end user's motorcycle or quad. Put another way, the manufacturer and seller do not warrant fitness of purpose since the manufacturer and seller have little or no control over how well the dB Snorkel is installed or under what circumstances the dB Snorkel is used.
-  All installation STEPS described below should NOT be performed on a HOT EXHAUST SYSTEM. Allow exhaust system to cool prior to touching.
- The dB Snorkel might have to be trimmed in length to allow it to fit onto aluminum silencers that are short in length. Keep in mind that the shorter the dB Snorkel is trimmed in length the less exhaust noise it will attenuate.
-  Silicone rubber will swell in size & MIGHT SPLIT after prolonged immersion in gasoline. Never use gasoline or low flash point solvents for cleaning the dB Snorkel. A mild all-purpose cleaner, like Simple Green®, works well.



Recommended Tools for Installation:

- Tape measure
- Piece of string {for measuring circumference of aluminum silencer}
- Flat-blade screwdriver {for tightening band clamps}
- Sockets {for temporarily removing plastic side panel of motorcycle}
- Razor knife {for trimming the length of the dB Snorkel, if required}
- Flat file {for preparing extruded aluminum canister silencer, if required}

STEP 1

Verify that the dB Snorkel will fit over the end of the aluminum silencer:

The dB Snorkel is elastic and will fit both OVAL and ROUND aluminum silencers or add-on spark-arrestors.

To determine if the dB Snorkel will fit, use a piece of string to wrap around the end of the aluminum silencer. Use a tape measure or ruler to measure the length of the string required for one wrap.

The dB Snorkel is designed to fit :

End View
of oval silencer



an OVAL silencer with a $9\frac{7}{8}$ inch CIRCUMFERENCE

End View
of round silencer
or add-on
spark-arrestor



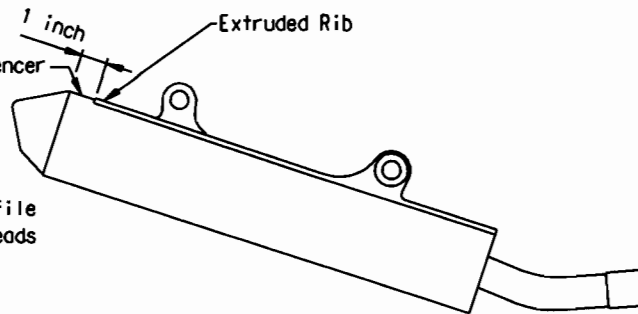
a ROUND silencer with a $9\frac{7}{8}$ inch CIRCUMFERENCE
a ROUND add-on spark-arrestor with a $9\frac{7}{8}$ inch CIRCUMFERENCE

STEP 2

Prepare the Aluminum Silencer for the dB Snorkel:

If your aluminum silencer has an extruded rib, file off the rib for a distance of one (1) inch from the exhaust end.

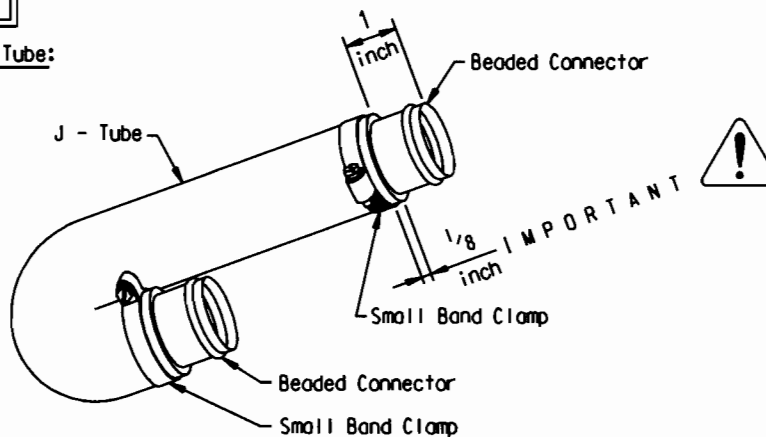
File rib smooth with body of silencer



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STEP 3

Assemble the J - Tube:



A) Insert the Beaded Connectors halfway into the J-Tube.

B) Locate the Small Band Clamps as shown.

Notice how the Band Clamps are clocked so that the screws of the Band Clamp are between the two legs of the J-Tube. Positioning the Band Clamps as shown will minimize the chance of the screws catching on something while you ride.

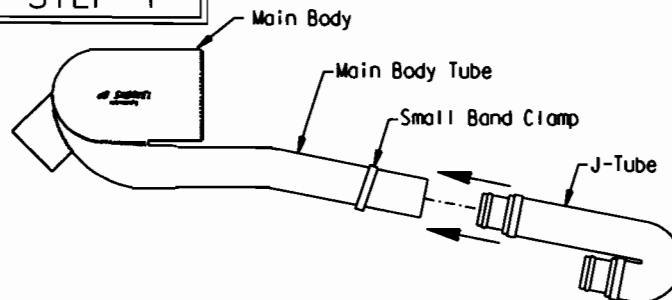
C) Tighten the Band Clamps snug tight. Do not over tighten.

Remember, the exhaust pressures thru the dB Snorkel are low.

The Band Clamps should not be so tight that they cut into the rubber.

D) Continue to STEP 4

STEP 4

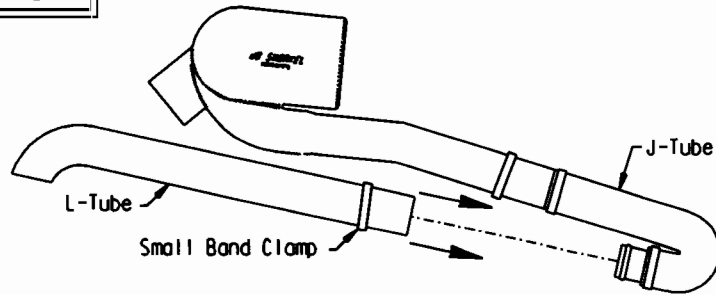


A) Slip a Small Band Clamp onto the Main Body, but don't tighten it yet.

B) Press the J-Tube into the Main Body Tube as shown.

C) Continue to STEP 5

STEP 5



- A) Slip a Small Band Clamp onto the L-Tube, but don't tighten it yet.
- B) Press the L-Tube on to the J-Tube as shown.
- C) Continue to STEP 6

STEP 6

Make a Trial Fit of the dB Snorkel to the Aluminum Silencer

The Reason for a Careful Trial Fit:



When the rear suspension of the motorcycle bottoms, there is a potential for interference between the J-Tube or L-Tube of the dB Snorkel and the swing arm, brake line or brake caliper of the motorcycle (Refer to FIGURE (A)).

Although the dB Snorkel is made of tough, elastic material, and will deflect if crushed, it must be carefully installed so as to avoid interference.

When assembled to the aluminum silencer, the dB Snorkel will be secured with three Large Band Clamps and two Mounts (two pairs of Mount Halves) supplied. It is IMPORTANT that the Large Band Clamps and Mounts be CAREFULLY positioned so as to properly support the dB Snorkel without interference with the Aluminum Silencer's mounting bolt brackets (Refer to FIGURE (B)).

Trial Fit:

- A) Temporarily remove the plastic side panel from the motorcycle to expose the aluminum silencer.
- B) Prepare the Mounts and Large Band Clamps (Refer to FIGURE (C)).
- C) Assemble the Mounts and Large Band Clamps loosely onto the dB Snorkel (Refer to FIGURE (D)).
- D) Slide the dB Snorkel ONE INCH onto the exhaust end of the aluminum silencer (Refer to FIGURE (B)).
- E) Note the relative position of the J-Tube of the dB Snorkel and the Forward End of the aluminum silencer. Ideally, this dimension should be ONE INCH OR MORE (Refer to FIGURE (B)).

If this dimension is LESS than one inch, some trimming of the Main Body and the L-Tube will be necessary. Do not trim at this time.
- F) Determine the amount that will have to be trimmed from the Main Body and the L-Tube in order to get the ONE INCH dimension (Refer to FIGURE (B)).
- G) Also, note the location of the Mount on the J-Tube per FIGURE (D).


If the Large Band Clamp on the J-Tube interferes with the Aluminum Silencer's mounting bolt bracket (as shown in FIGURE (B)), determine the amount that will have to be trimmed from the Main Body and the L-Tube in order to allow the Large Band Clamp to seat without interference.

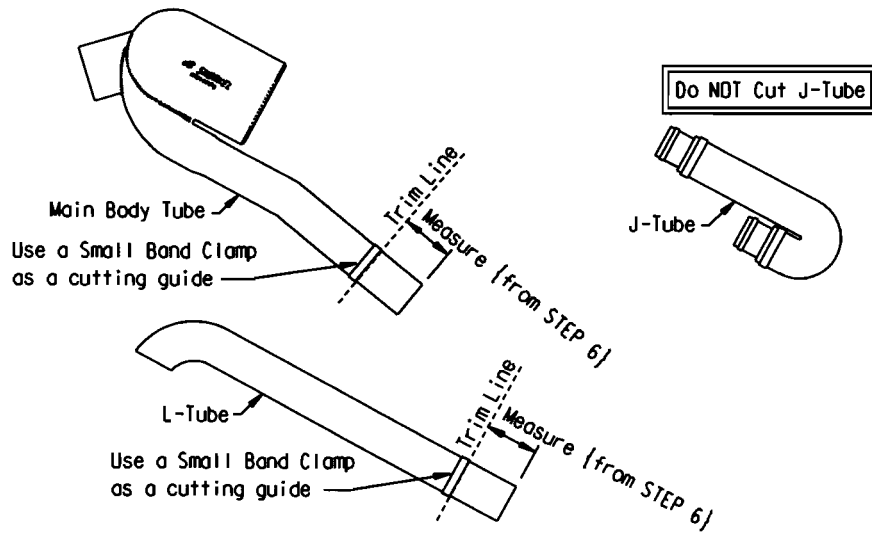
- H) From the previous steps, IF you have determined that trimming is needed, go to STEP 7.

IF trimming of the dB Snorkel is NOT needed, go directly to STEP 8.


STEP 7

Trimming Instructions:

- A) From E), F) and G) of STEP 6, determine the amount of the Main Body that should be trimmed. Measure carefully.
-  B) Using a razor knife and Small Band Clamp as a guide, CAREFULLY cut as little material off of the main Body as you'll need in order to be able to locate the Mount and Large Band Clamp (as described in STEP 6).
- C) CAREFULLY cut a similar amount from the L-Tube.
- D) Re-assemble and re-install the dB Snorkel onto the aluminum silencer per STEP 6. Once again verify that the Mounts and Large Band Clamps can be properly positioned.
- If fit is satisfactory, continue to STEP 8.



STEP 8

- A) Thread the Cable-Ties through the bottom slots in the Mount Halves. Use One Cable-Tie for each Mount.
-  B) Before tightening the Large Band Clamps, rotate the dB Snorkel slightly (refer to FIGURE (E)). This will allow the L-Tube to deflect off of the motorcycle's rear brake caliper in the event that contact occurs when the suspension bottoms.
- C) Tighten all Band Clamps and Cable-Ties. Do not over tighten.
- D) FIGURE (F) shows a dB Snorkel properly installed.
- E) FIGURE (G) shows an ALTERNATE INSTALLATION CONFIGURATION

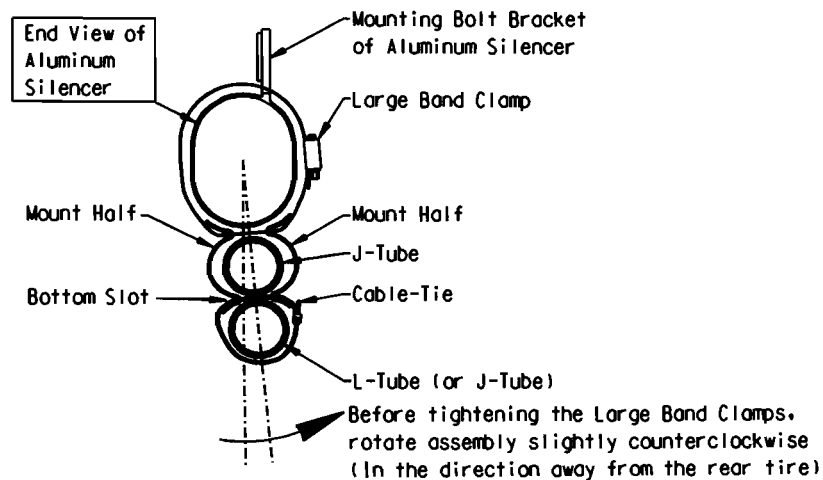


FIGURE (E)

FIGURE (A)

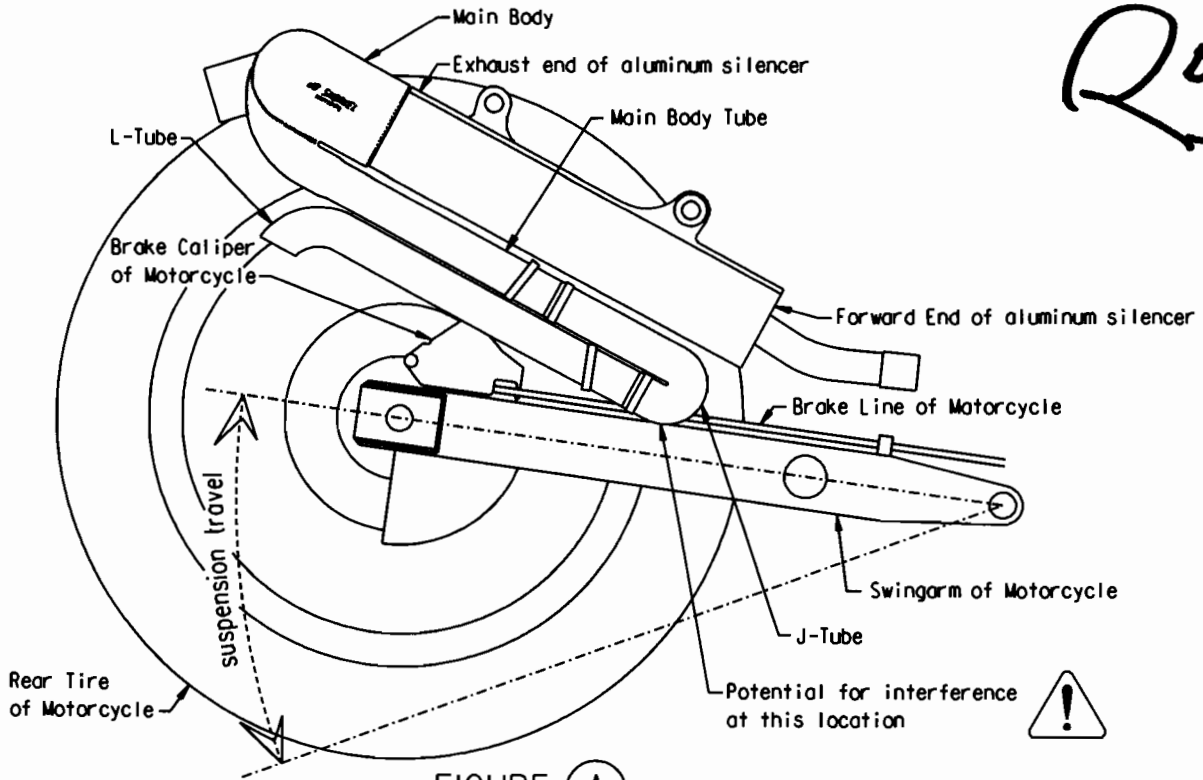
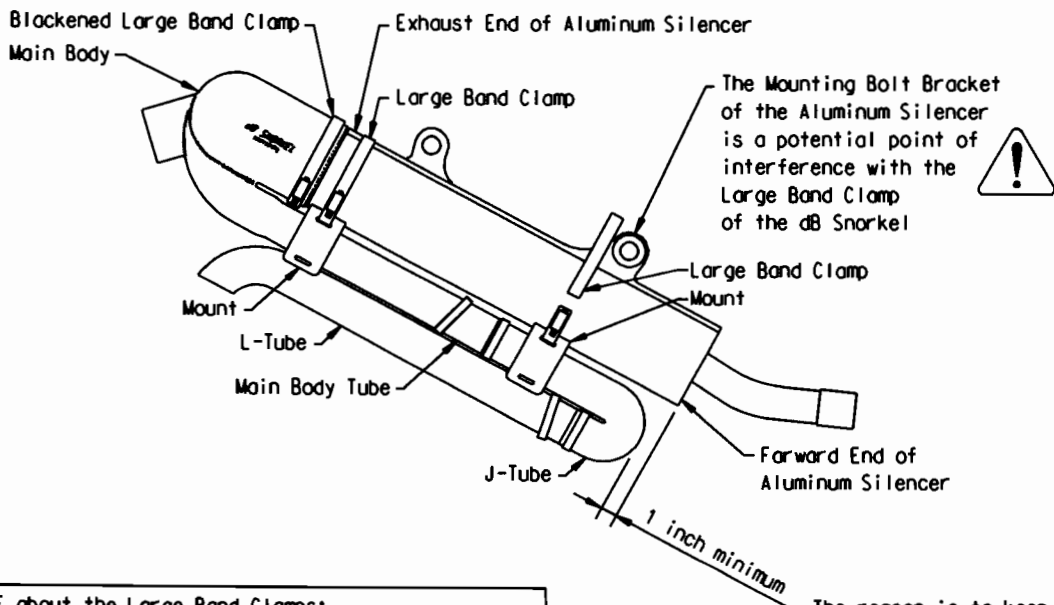


FIGURE (A)

FIGURE (B)



NOTE about the Large Band Clamps:
 If the supplied Large Band Clamp is not long enough, purchase another "gear clamp" and splice it with the Large Band Clamp to make it longer.

The reason is to keep the J-Tube from contacting the swingarm when the suspension bottoms. Repeated contact will fatigue the rubber of the J-Tube and cause it to split.

FIGURE (B)

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FIGURE C

Assemble the Mounts:

- A) Thread the Large Band Clamps through the slots near the Long Ends of two sets of Mount Halves. The Short Ends of the Mounts face downward.

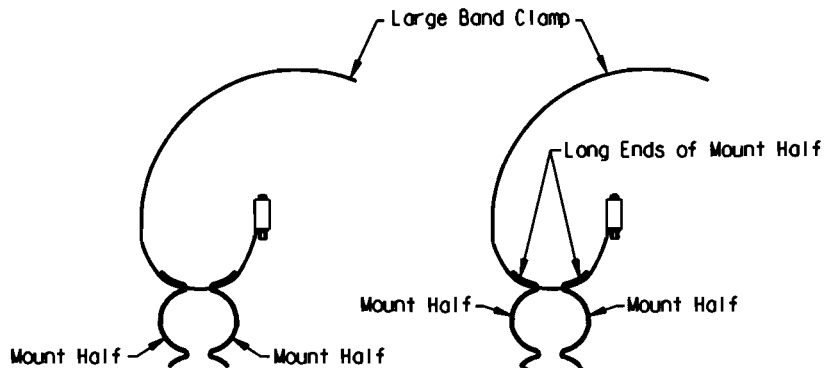


FIGURE C

Note:
Short Ends
of Mount Halves
have rounded corners

Handwritten signature and a large arrow pointing upwards.

FIGURE D

NOTE the location of the Mount on the J-Tube (Refer to FIGURE D).

The dB Snorkel is designed to deflect out of the way in the event it is crushed when the motorcycle's suspension bottoms.

By locating the Mount in the soft area between the Beaded Connectors the J-Tube will flex and prevent damage to the Beaded Connectors or the Mount.

Beware that repeated contact with the swingarm will cause the J-Tube to fatigue and split.

IMPORTANT



IMPORTANT



- A) Slip a Large Band Clamp onto the Main Body.

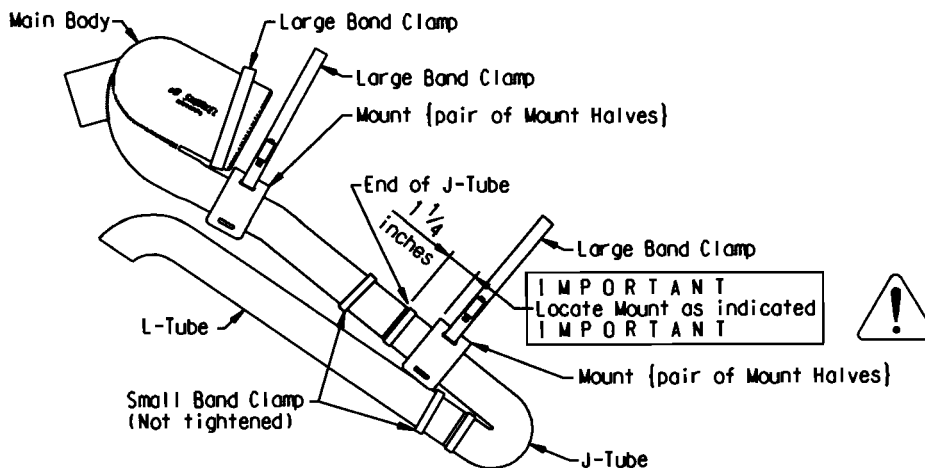
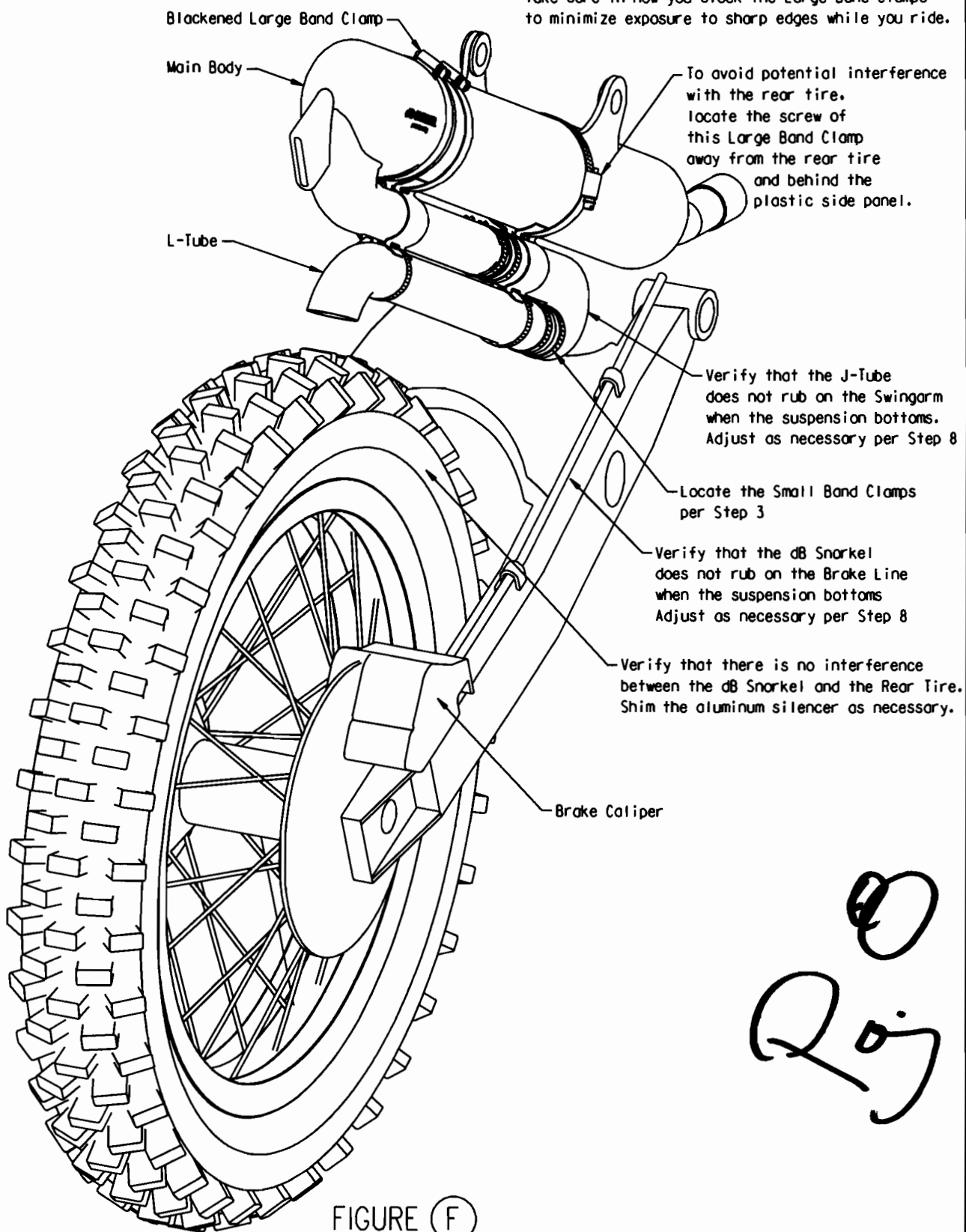


FIGURE D

FIGURE (F) dB Snorkel Installed

NOTE:
Take care in how you clock the Large Band Clamps to minimize exposure to sharp edges while you ride.



Qj

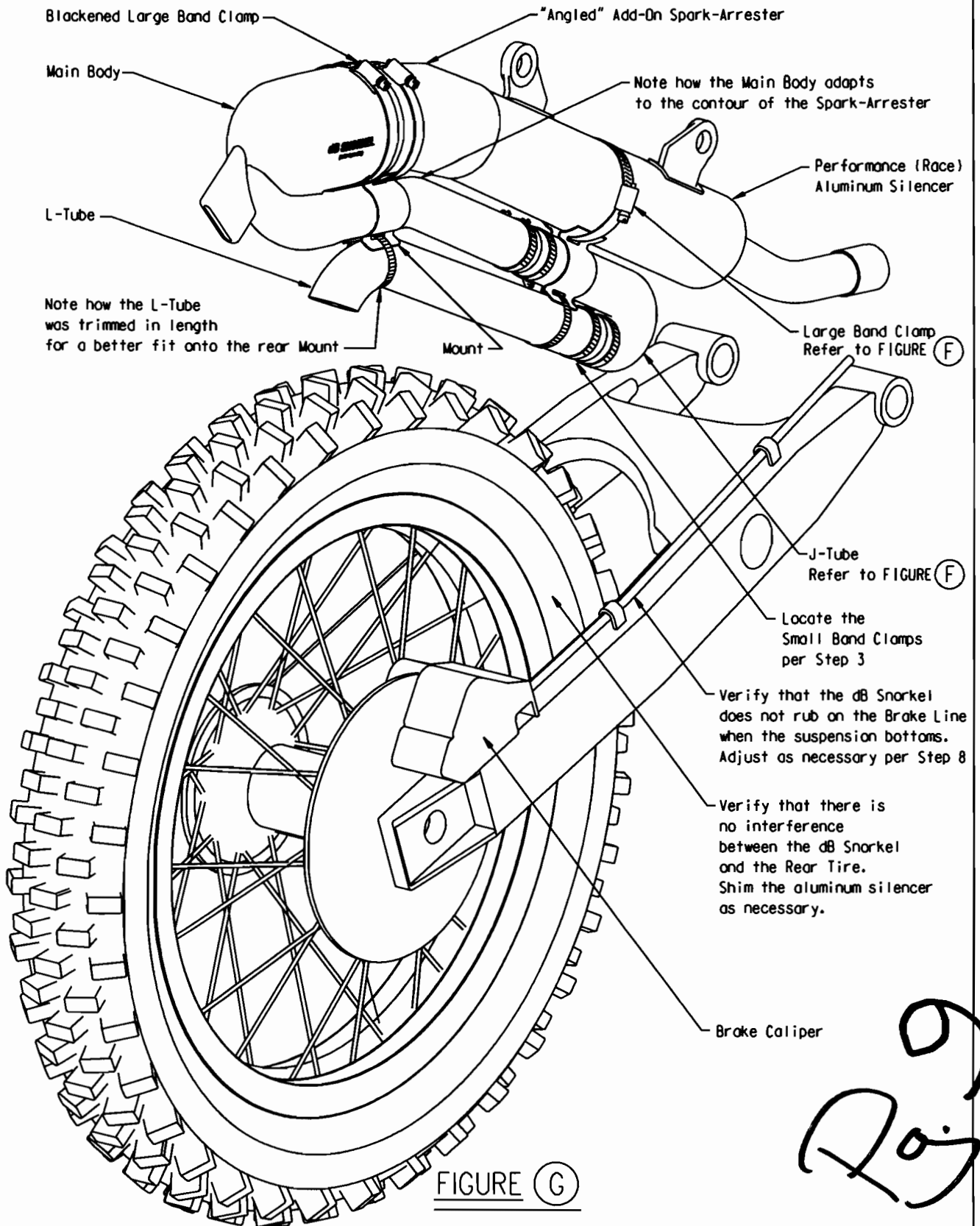
FIGURE (F)



Ensure that all parts are installed and properly tightened per these instructions. Test the motorcycle with the dB Snorkel on level ground and at low speed to verify that the dB Snorkel does not interfere with the motorcycle operation. Periodically recheck, adjust or replace components of the dB Snorkel as part of your maintenance routine. Failure to properly install and periodically check the installation of the dB snorkel might result in damage to your motorcycle or possibly loss of control and injury to you or spectators. Keep these instructions with your records.

FIGURE G

**ALTERNATE INSTALLATION CONFIGURATION:
dB Snorkel Installed on an Add-On Spark-Arrester**



Ensure that all parts are installed and properly tightened per these instructions. Test the motorcycle with the dB Snorkel on level ground and at low speed to verify that the dB Snorkel does not interfere with the motorcycle operation. Periodically recheck, adjust or replace components of the dB Snorkel as part of your maintenance routine. Failure to properly install and periodically check the installation of the dB snorkel might result in damage to your motorcycle or possibly loss of control and injury to you or spectators. Keep these instructions with your records.

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