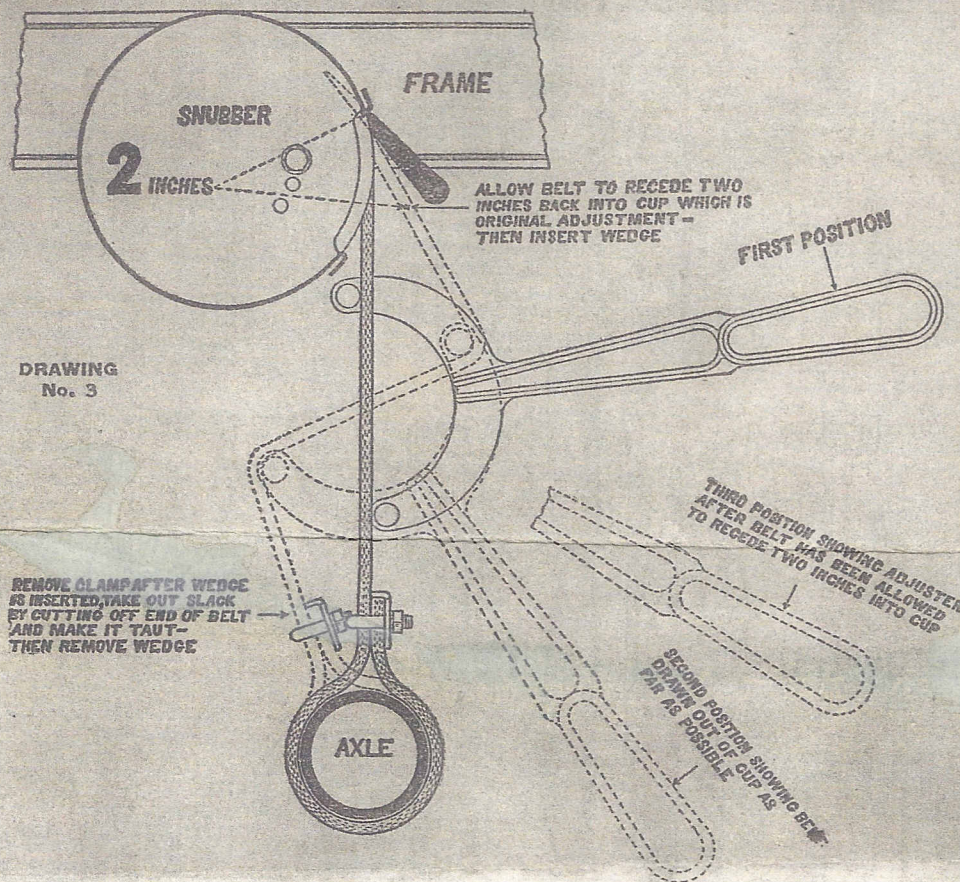


# How to Adjust and Lubricate Gabriel Snubber

Gabriel Snubbers should be readjusted once after they have been used about 500 miles, on account of the firmer seating of the coil by usage and the natural settling of the car springs.



DRAWING  
No. 3

## To Adjust

First — Pull belt out of cup as far as possible or until the coil spring, within the snubber, is entirely compressed; then let it return into cup two inches, but no more, and place a wedge between belt and cup at top of cup opening to hold the tension or adjustment on the coil; which will leave the belt slack between the Snubber and the axle.

Second — Remove clamp and shorten belt (cut off to proper length) at axle, so as to take out slack and make it taut, then release the tension by taking out the wedge and the adjustment is complete.

## To Lubricate

Examine snubbers after each 5000 miles usage and relubricate them if necessary. Remove cup or housing by taking out cap screw in the side of same, then lubricate stud in main casting, coil spring and face of sleeve casting well with *graphite grease* of a good quality, but do not put any grease between the coils of belting, except a little on end of belt where it is riveted to brass friction band. Replace cup or housing and readjust coil as above.

*Special Adjusting Iron (as above illustrated) will be furnished at a cost of 50 cents each.*

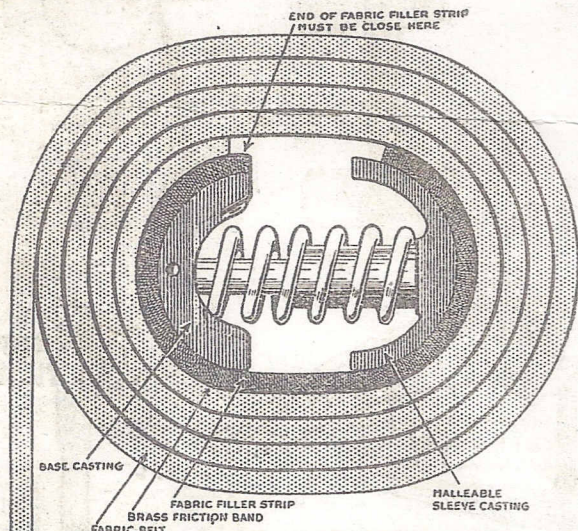
# How to Install Belt in Snubber

First — Secure base casting in a vise or fasten it in some manner that will hold it firmly; then take out cap screw in the side of Snubber and remove case or housing.

Second — Hook brass friction band on rivet in base casting and bend band snugly around edge of casting; assemble coil spring and sleeve casting as per drawing No. 1. Lubricate face of sleeve casting well with *graphite grease* of good quality, also put a little grease between fabric filler strip and brass friction band; also on opposite side of belt near end where riveted to friction band.

Third — Coil belt four and a quarter turns and work coil a few times by pulling on belt to make sure the coil spring operates properly, then compress the coil fully as per drawing No. 2 and replace case or housing. Then release belt and let it return into case or housing about 1½ inches and either put a nail through it at top of opening in case or place a wooden wedge (see drawing No. 3) between belt and case to hold tension or adjustment on coil.

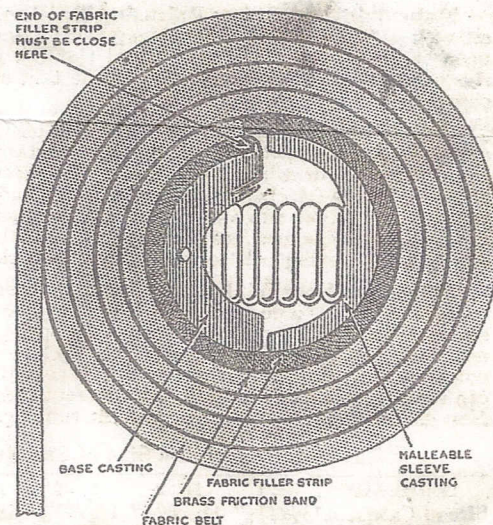
See instructions on reverse side of this sheet for attaching snubber on car.



DRAWING No. 1 COIL EXPANDED

Be sure to turn sleeve casting properly as sleeve is off center—See Drawing No. 2.

Mention Size of Snubber when Ordering Belts

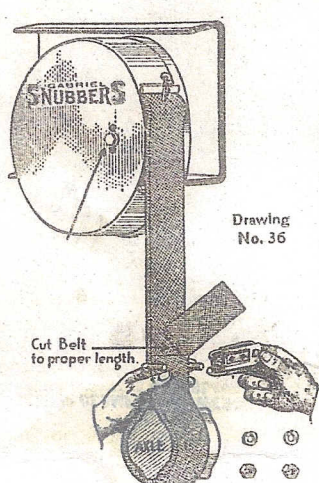


DRAWING No. 2 COIL COMPRESSED

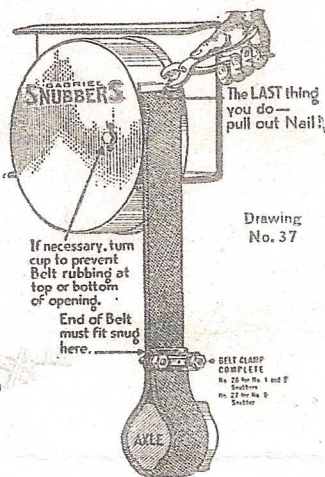
# Directions for Attaching Gabriel Snubbers

Car \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Style \_\_\_\_\_

## Drawings Herewith Illustrate General Methods of Attachment



Drawing  
No. 36



Drawing  
No. 37

**Make Belt Taut Before Releasing Tension.** Snubbers are set with proper tension before leaving factory and which is held upon the coil by a small nail placed through the belt. Nail should not be removed until belt is made taut and attachment completed.

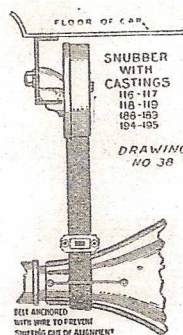
**How to Attach Belt Clamp.** Cut Belt off to proper length and place clamp so that turned edge of steel stamping will cover end of belt (see drawings Nos. 36 and 37). Secure belt snugly around rear axle (placing clamp close to axle), and line it up sideways so it will not rub snubber case, then anchor to prevent shifting out of alignment, see drawings. If No. 20 or other bracket is used for fastening belt to axle place clamp close to bracket.

**Attach Snubber While Car is Empty.** Place snubber either in front or back of axle, whichever is best, but be sure it will not strike the axle or any part of car when the springs compress. If necessary the belt may be slanted either backward or forward as much as 30 degrees, but it must not rub cup, therefore change cap screw in the side of cup into a different hole (see drawings Nos. 43 and 44) if necessary to prevent rubbing.

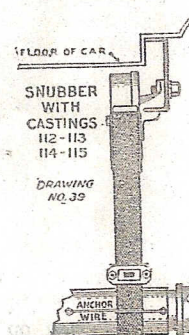
### How to Determine Size of Snubber

| Snubber Size | No. 1          | No. 2          | No. 3          | No. 4         | No. 5          |
|--------------|----------------|----------------|----------------|---------------|----------------|
| Size of Case | 1 1/2 x 4 1/8" | 1 1/2 x 5 5/8" | 1 3/4 x 5 5/8" | 2 x 6 1/8"    | 2 1/4 x 6 1/8" |
| Size of Belt | 1 1/4 x 3/32"  | 1 1/4 x 3/16"  | 1 1/2 x 3/16"  | 1 3/4 x 3/32" | 2 x 3/32"      |

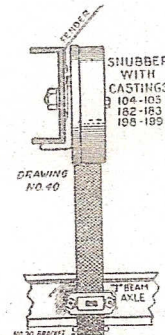
Size of compression spring is indicated by number on head of cap screw in the side of case.



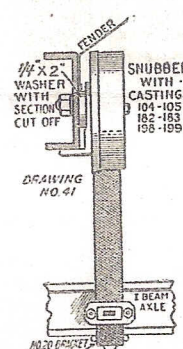
DRAWING  
NO. 38



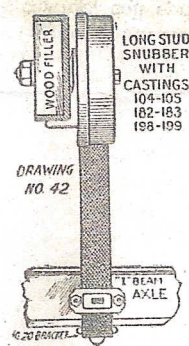
DRAWING  
NO. 39



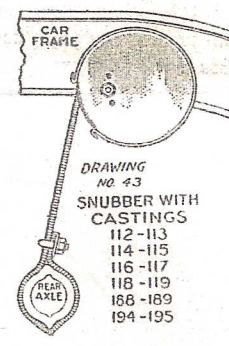
DRAWING  
NO. 40



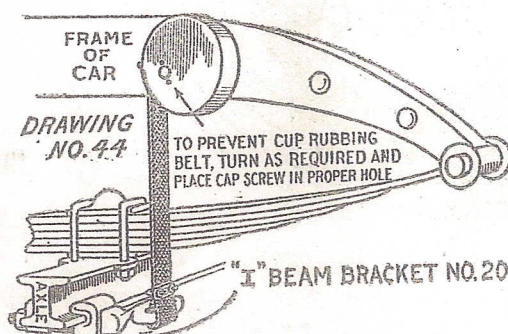
DRAWING  
NO. 41



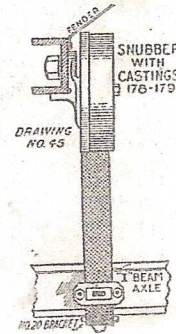
DRAWING  
NO. 42



DRAWING  
NO. 43



DRAWING  
NO. 44



DRAWING  
NO. 45