LUBRICATION INSTRUCTIONS FOR

DIALS

LUB 4

After a dial has been in service for a period of time it may become necessary to clean and relubricate the dial to restore proper operation.

The frequency of relubrication depends on local conditions which affect the dial. These include usage as well as dust, humidity, and temperature. When the dial is operating improperly or when it has seen extensive service and its speed is too slow (under 8 pps), it is recommended that the dial be disassembled, cleaned, and relubricated. Readjustment or partial relubrication has proven to give only temporary improvement.

Lubricant Measure

In order to insure some control during lubrication, a standard quantity for applying lubricant has been established. This standard measure assures that approximately the correct amount of lubricant will be applied. This measure is defined as follows:

DIP - A dip is that amount of oil retained in the bristles of a No. 4 artist's brush after it has been dipped into a lubricant to a depth of 3/8" and then drawn across the edge of a container to remove any surplus oil.

Types of Lubricants

The following types of lubricants are recommended for use with dials and each should be mixed thoroughly before application:

a. Dial lubricant (spec. 5909). This black non-graphite lubricant is compatible with plastics and provides rust protection. This lubricant is used on mechanisms which may be required to operate at low temperatures; it is widely used on dials. Order H-78612-64, dial lubricant (spec. 5909), 2 oz.

Procedure

Before lubricating the dial, remove the dial escutcheon using dial escutcheon tool H-26917. Remove the finger plate mounting screw and the finger plate. Remove the main spring assembly. Wipe all exposed parts thoroughly to remove old oil and dirt. Lubricate the dial following steps a. through g. below. If the dial is equipped with SATT spotter springs perform step h.



The ends of the governor buffers.

Before continuing the lubrication process, re-

The two spring buffers. NOTE: Do not

lubricate buffers made of hard rubber.

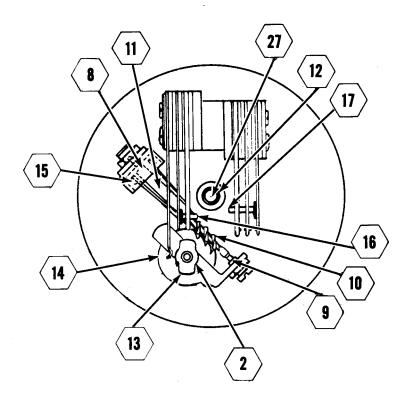
a. Distribute one dip of dial lubricant (spec.

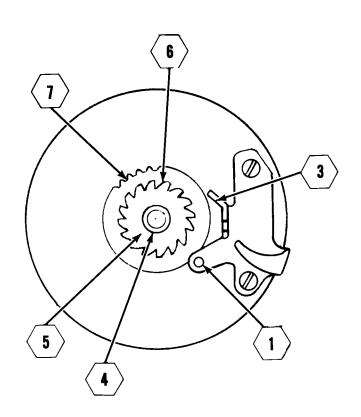
The end of the pinion shaft, where the

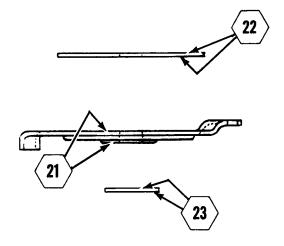
The shaft, where the shaft bears in the

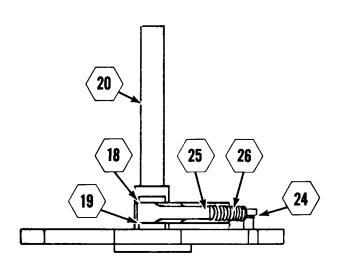
5909) among the following points:

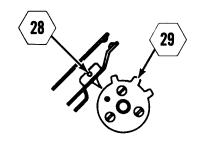
shaft bears in the finger stop.











FOR SATT DIALS ONLY