



Objective and Result

I worked with the mechanical engineer to identify materials, supporting documents and steps for this short assembly procedure.

SPECIFICATION, APPLICATION OF LUBRICATING GREASE FOR 12345 SAMPLE ASSEMBLY

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1. GENERAL

1.1. Scope

This specification covers the application of lubricating grease to the sample assembly.

2. DOCUMENTS

123456, “(U) Grease, 123”

AY12345, “(U) Sample Assembly”

3. REQUIREMENTS

3.1. Application

NOTE: Most of the grease will be removed during the application steps.

Disperse a maximum of 0.25” drop of grease on a clean gloved hand.



Figure 1. Example Amount of Grease - Approximately 150 mg

Spread the grease evenly around the four inside walls of the sample assembly, as shown in Figure 2.

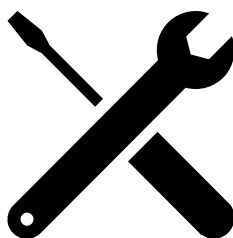


Figure 2. Grease Application Locations

Avoid the spread of grease to the Keep Out Zones shown on Figure 3 and any other surfaces not specified in Figure 2.

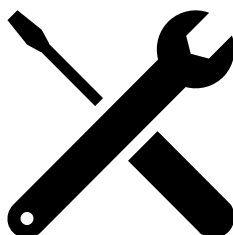


Figure 3. Pocket Keep Out Zone

NOTE: Excess grease is defined as any beading, clumps, or visibly white spots. The desired surface layer of the grease should be almost transparent.

Remove any excess grease by wiping with a clean, dry glove. Repeat the wiping process with a clean lint-free cloth or foam tipped tool as shown in Figure 4. The surface that the grease was applied to should have a shiny finish, indicating the presence of grease.



Figure 4. Foam Tipped Tool Removing Excess Grease

3.2. Contamination

Lubricant contamination on surfaces other than those indicated shall be avoided. Any such contamination shall be removed. Solvent such as isopropyl alcohol may be used to facilitate removal, provided it is not detrimental to the surface of the part.

4. ACROYNMS

Title	Definition
mg	milligrams