

**KI-165 D318-1 R44 MUFFLER & TAIL PIPE SHIELD INSTALLATION KIT**

Installation of this kit is strongly recommended when operating in areas where grass and brush pose a fire hazard due to contact with exhaust system.

KIT CONTENTS:

2 each	B277-036	clamp
2 each	B277-052	clamp
1 each	D314-1	shield assembly
1 each	D314-2	shield assembly
1 each	D317-1	shield assembly
1 each	KI-165 INSTR.	kit instructions

INSTRUCTIONS: (refer to Figure 1)

1. Verify kit contents match above list. Contact RHC if any parts are missing or damaged.
2. Install shield assemblies with clamps as shown in Figure 1. Rotate clamps as required to facilitate installation. Ensure D314 shields' inboard edges do not chafe muffler cannister and D317 shield forward edge does not chafe C169-2 shroud assembly.

**CAUTION**

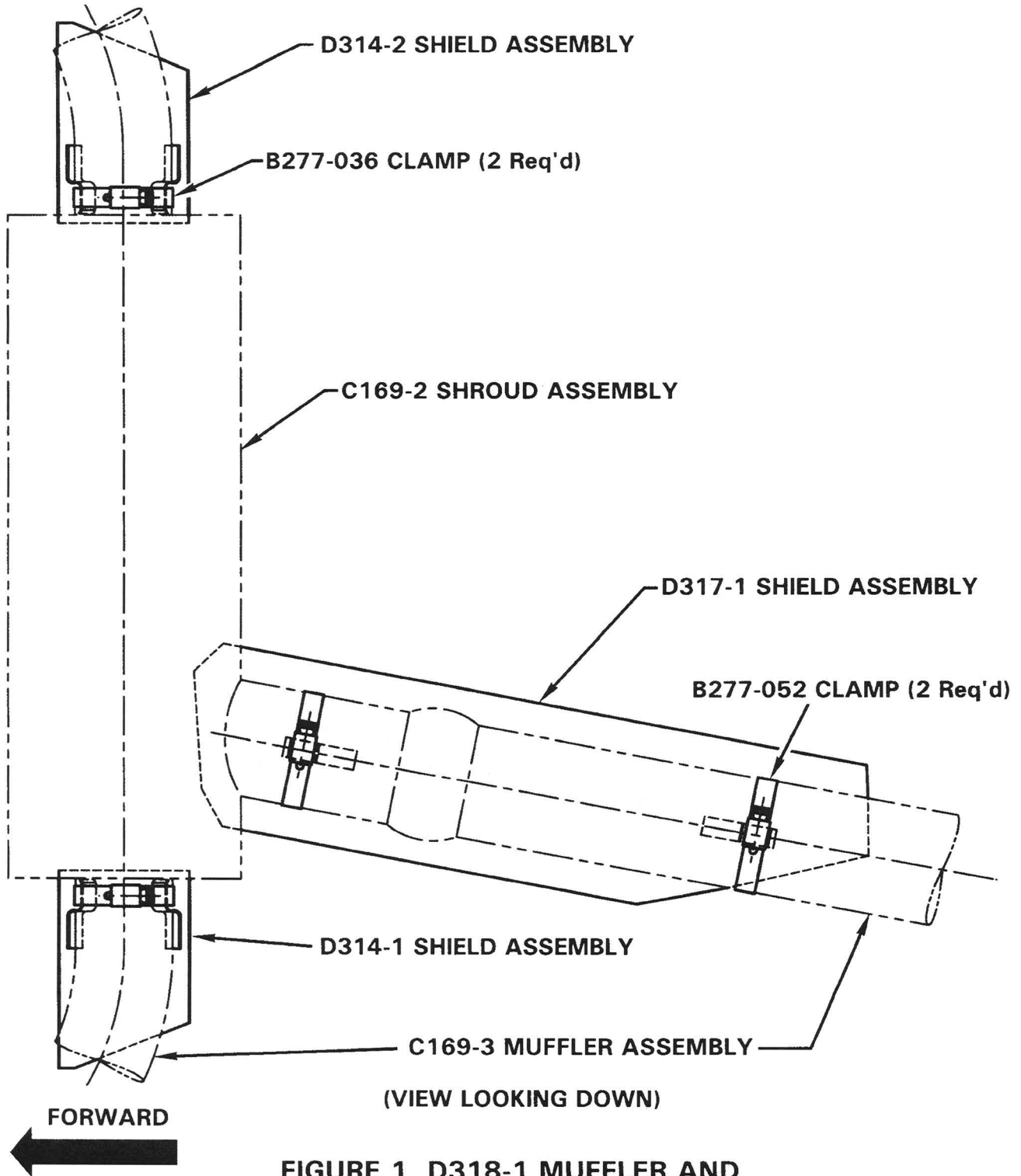
Overtightening clamps can deform exhaust components.

3. Ensure minimum 0.40 inch clearance between D314 shields and cowlings. If clearance is less than 0.40 inch, trim shield assembly to provide 0.40-0.60 inch clearance.
4. Refer to Equipment List/Weight & Balance data located in helicopter's Pilot's Operating Handbook section 6. Amend helicopter's Basic Empty Weight & Center of Gravity using following data:

<u>ITEM</u>	<u>Weight</u> <u>(pounds)</u>	<u>Longitud-</u> <u>inal Arm</u> <u>(inches)</u>	<u>Longitud-</u> <u>inal Moment</u> <u>(inch-pounds)</u>	<u>Lateral</u> <u>Arm</u> <u>(inches)</u>	<u>Lateral</u> <u>Moment</u> <u>(inch-</u> <u>pounds)</u>
D318-1 muffler & tail pipe shield installation	+0.55	+132.2	+72.7	-3.6	-2.0

5. Make appropriate maintenance record entries.

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**FIGURE 1 D318-1 MUFFLER AND  
TAIL PIPE SHIELD INSTALLATION**