

# MODEL 01-105 TORQUING TOOL KIT INSTRUCTION SHEET

## INTRODUCTION

1.

This Instruction Sheet provides a listing of the individual tools in the Model 01-105 Torquing Tool Kit and procedures for using these tools to torque the K female cable connector and male and female sparkplug launchers to 1.8 N-meters.

## 2. TOOL LIST

Table 1 provides a listing of the tools in the Model 01-105 Torquing Tool Kit. The index numbers in Table 1 correspond with those in Figure 1. It is recommended that LOCTITE RC/609 retaining compound be used in addition to the tools included in this kit.

Table 1. 01-105 Parts List

Index No.	Name	Part No.
1	Handle, Screwdriver, Torque Limiting	783-253
2	Wrench, Open End, 5/16-9/32 in., 2 each	783-254
3	Nut, Barrel	01-A-14812
4	Adapter, Tightening, Connector, Female	01-A-14814
5	Tool, Centering	01-A-13921
6	Socket, 1/4 in. drive, 5/16 in., 6-point	783-252
7	Socket, Tightening, Connector, Male	01-A-14813

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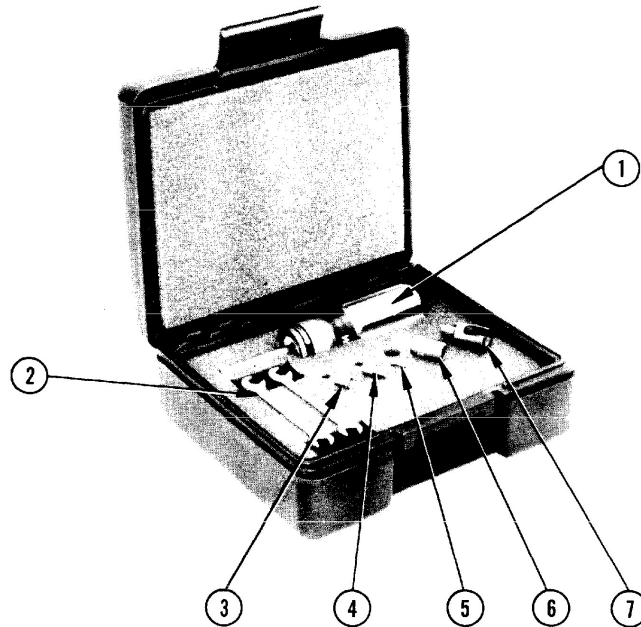


Figure 1. Model 01-105 Torquing Tool Kit

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### 3. Use With the K102M Sparkplug Launcher

#### a. Torquing the K102M

(This procedure assumes the connector is in place in its mounting hole.)

1. Loosen the connector outer conductor and apply a small amount of LOCTITE to the threads. Install the centering tool (5) over the center conductor.
2. Tighten the outer conductor finger tight.
3. Place the male-connector-tightening socket (7) over the outer conductor.
4. Install the 5/16-inch socket (6) onto the screwdriver handle (1).
5. Torque the outer conductor to 1.8 N-meters using the screwdriver handle and socket.
6. Remove the male connector-tightening socket and centering tool.

#### b. Disassembling the K102M

1. Place the male-connector-tightening socket (7) over the K102M outer conductor.
2. Install the 5/16-inch socket (6) into the screwdriver handle (1).
3. Loosen the outer conductor using the screwdriver handle and socket.
4. Unscrew the outer conductor, and remove the center-pin assembly from the mounting hole.

### 4. Use With the K102F Sparkplug Launcher

#### a. Torquing the K102F

(This procedure assumes the connector is in place in its mounting hole.)

1. Loosen the connector outer conductor and apply a small amount of LOCTITE to the threads. Install the centering tool (5) over the center conductor.
2. Tighten the outer conductor finger tight.
3. Remove the centering tool.

4. Screw the female connector-tightening adapter (4) into the barrel nut (3) until the top thread is barely covered. Leave a 1.6 mm gap (approximately) between the head of the adapter and the nut.

5. Screw the barrel nut assembly onto the outer conductor until finger tight.

6. Install the 5/16-inch socket (6) onto the screwdriver handle.

7. Torque the outer conductor to 1.8 N-meters using the screwdriver handle and socket.

8. Remove the barrel nut assembly from the outer conductor by (a) holding the barrel nut with one of the 5/16-inch wrenches while (b) loosening the adapter with the screwdriver handle and socket.

#### b. Disassembling the K102F

1. Screw the female connector-tightening adapter (4) into the barrel nut (3) until the top thread is barely covered. Leave a 1.6 mm gap (approximately) between the head of the adapter and the nut.

2. Screw the barrel nut assembly onto the outer conductor until finger tight.

3. Place one of the 5/16-inch wrenches (2) onto the barrel nut, and the other wrench onto the adapter in order to form an angle of approximately 45° between the wrenches. Squeeze both wrenches together to tighten the barrel nut assembly onto the outer conductor.

4. With a wrench on the barrel nut, loosen the barrel nut assembly and unscrew the outer conductor.

5. While holding the barrel nut with one wrench, loosen the adapter with the other and unscrew the outer conductor from the barrel nut assembly.

6. Remove the center-pin assembly from the mounting hole.

## 5. Use with the K101F Cable Connector

### a. Torquing the K101F

(This procedure assumes the connector is in place on the end of the cable.)

1. Loosen the connector outer conductor and apply a small amount of LOCTITE to the threads. Install the centering tool (5) over the center conductor.
2. Tighten the assembly nut on the outer conductor finger tight.
3. Remove the centering tool.
4. Screw the female connector-tightening adapter (4) into the barrel nut (3) until the top thread is barely covered. Leave a 1.6 mm gap (approximately) between the head of the adapter and the nut.
5. Screw the barrel nut assembly onto the outer conductor until finger tight.
6. Install the 5/16-inch socket (6) onto the screwdriver handle.
7. While holding the assembly nut, torque the outer conductor to 1.8 N-meters using the screwdriver handle and socket.
8. Remove the installation fixture from the outer conductor by (a) holding the barrel nut with one of the 5/16-inch wrenches while (b) loosening the adapter with the screwdriver handle and socket.

### b. Disassembling the K101F

1. Screw the female connector-tightening adapter (4) into the barrel nut (3) until the top thread is barely covered. Leave a 1.6 mm gap (approximately) between the head of the adapter and the nut.
2. Screw the barrel nut assembly onto the outer conductor until finger tight.
3. While holding the K101F assembly nut, place one of the 5/16-inch wrenches (2) onto the barrel nut, and the other wrench onto the adapter in order to form an angle of approximately 45° between the wrenches. Squeeze both wrenches together to tighten the barrel nut assembly onto the outer conductor.
4. With a wrench on the barrel nut, loosen the barrel nut assembly and unscrew the outer conductor.
5. Hold the barrel nut and loosen the adapter hex head.
6. Unscrew the outer conductor from the barrel nut assembly.
7. Remove the center-pin assembly from the sleeve.

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