

INSTALLATION INSTRUCTIONS

P/N 129-193 ADAPTER KIT

INSIGHT II FIBER OPTICS

APPLICATION

The 129-193 Adapter Kit is used to modify existing Fireye InSight I and UV Signature Scanner quartz Inner Carrier Assemblies to accept the 95DSS3-1 InSight II Scanner. To modify an existing quartz Inner Carrier Assembly, the original flange and adapter hardware are replaced with the parts supplied in the 129-193 kit. The original Inner Carrier's rigid and flexible pipes, and quartz fiber optic bundle are re-used.

Shown in Figure 1, the 129-193 Kit includes a new Flange with Extended Bushing and Locknut, a new Fiber Optic Adapter and Lens Assembly, and three adapter attachment screws. A 1/4-28 Jam Nut is also provided for the original fiber optic bundle (not shown).

Figure 2 shows the 129-193 Kit components installed onto the original Inner Carrier Assembly.

For a complete operational description of the InSight II Scanner, refer to bulletin CU-113. For a complete mechanical description of the InSight II Fiber Optics, see bulletin CU-117.

FIGURE 1. P/N 129-193 Adapter Kit

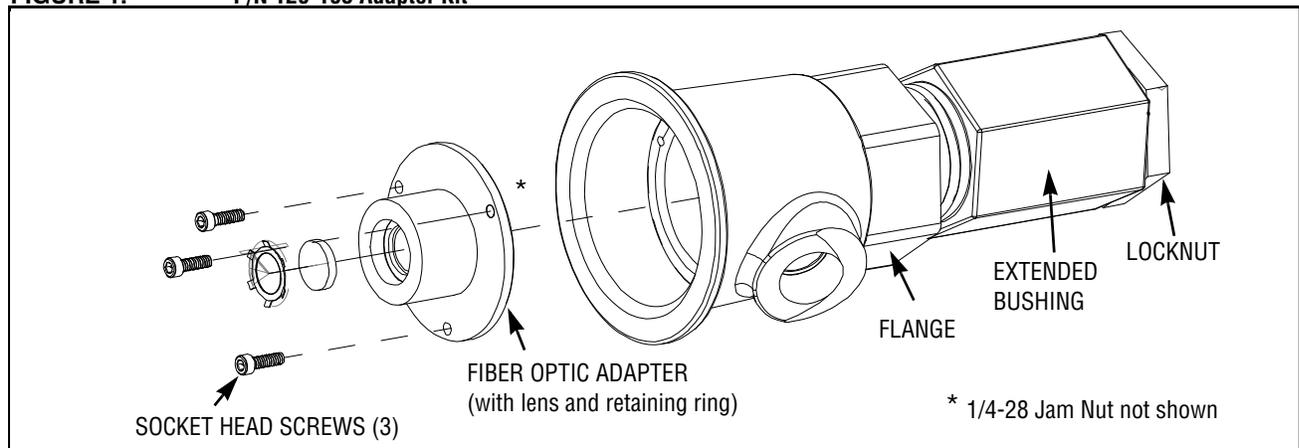
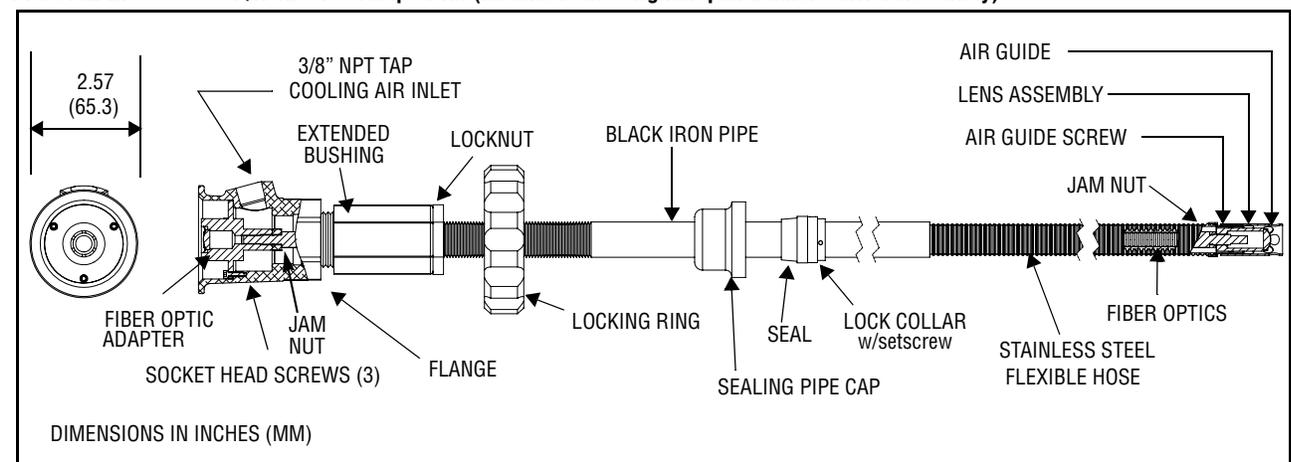


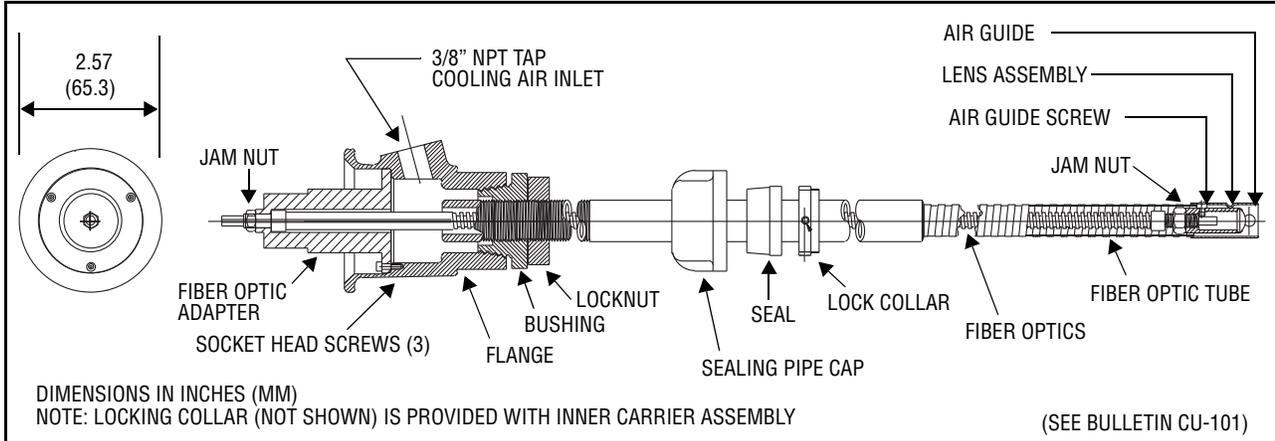
FIGURE 2. P/N 129-193 Adapter Kit (Installed onto original quartz Inner Carrier Assembly)



DISASSEMBLY INSTRUCTIONS

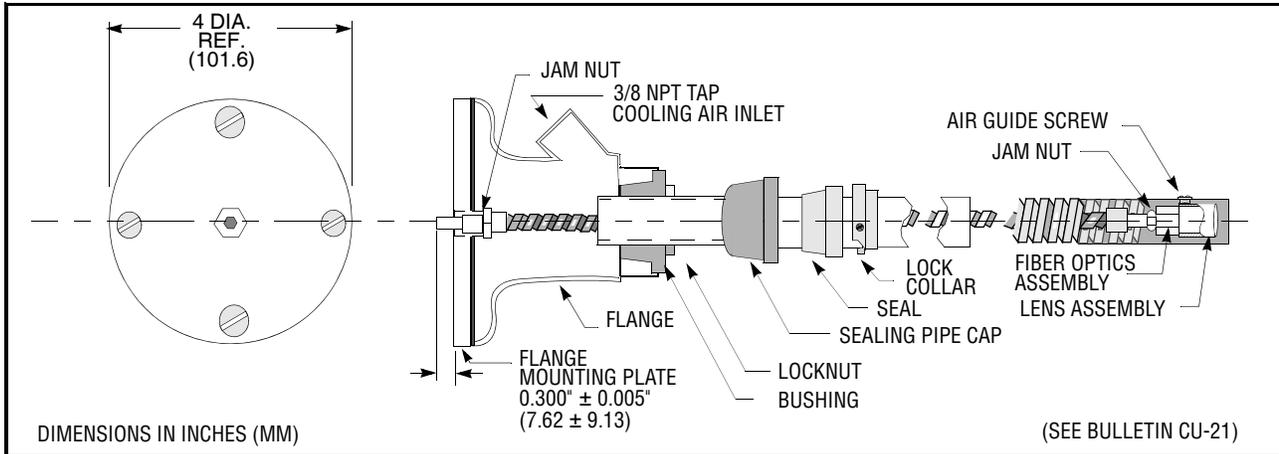
Following steps described in the appropriate product bulletin for the original Fiber Optic Assembly, carefully remove the existing quartz Inner Carrier Assembly from the Outer Carrier Assembly and bring it to a clean, dry work area.

FIGURE 3. INSIGHT I: ORIGINAL INNER CARRIER ASSEMBLY, 61-7080-x, (Bulletin CU-101)



Following steps described in bulletin CU-101, carefully remove the quartz Inner Carrier Assembly's Jam Nut, (3) Socket Head Screws, Fiber Optic Adapter, Flange, Bushing and Locknut shown in Figure 3, above.

FIGURE 4. UV SIGNATURE: ORIGINAL INNER CARRIER ASSEMBLY, 61-6856-x (Bulletin CU-21)



Following steps described in Bulletin CU-21, carefully remove the Inner Carrier Assembly's Flange Mounting Plate, Flange, Bushing and Locknut shown in Figure 4, above. Leave the original 1/4-28 Jam Nut on the Fiber Optic Bundle.



ASSEMBLY INSTRUCTIONS

1. Following steps described in bulletin CU-117, thread the new Locknut then the new Flange and Extended Bushing onto the Inner Carrier Assembly.
2. Thread the Flange and Bushing far enough down the Inner Carrier to allow room for the Fiber Optic Adapter to be threaded onto the quartz fiber optic bundle.
3. If not already present, install the ¼-28 Jam Nut (flat surface facing out) on the fiber optic bundle.
4. Thread the Fiber Optic Adapter onto the bundle, adjust the focus per bulletin CU-117, then tighten the Jam Nut against the adapter.
5. Per bulletin CU-117, adjust the position of the new Flange and Extended Bushing on the Inner Carrier Assembly to allow the proper amount of bundle compression when the Fiber Optic Adapter is attached to the Flange.
6. Tighten the Locknut against the Extended Bushing.
7. Attach the Fiber Optic Adapter to the Flange with three Socket Head Screws.



NOTICE

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