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Quicksilver Digital Diagnostic Terminal (DDT) Scan Tool - Support No Longer Available

NOTICE

The information released in this service bulletin supersedes any previously released service/repair of electrical test equipment service bulletins regarding the digital diagnostic terminal (DDT).


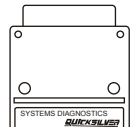

Situation

The digital diagnostic terminal (DDT) has been out of production for many years and repair parts are no longer available. The supplier (SPX) can no longer accept DDT units for repair.

The DDT cannot communicate with the technology used on much of the current Mercury Marine product line. The DDT cannot provide complete and accurate data when using any of the SmartCraft cartridges (the last being Version 1.31) and connecting to any engine built after 2005. The Mercury computer diagnostic system (CDS) and the recently released CDS G3 are the recommended diagnostic systems for Mercury Marine product.

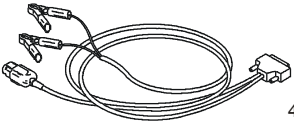
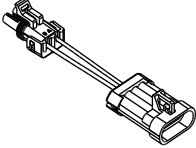
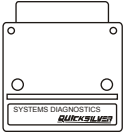
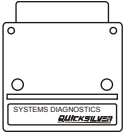
Available Diagnostic Accessories

The following diagnostic cables are still available and can be used on both the DDT and CDS system and are common components.

Diagnostic Extension Cable (10 ft)  <p style="text-align: right; margin-right: 10px;">4012</p>	<p style="text-align: right;">84-825003A1</p> <p>Data link extension harness connected between the DDT and any diagnostic cable to allow the DDT to be located further from the engine being diagnosed.</p>
SmartCraft Version 1.31 DDT Cartridge  <p style="text-align: right; margin-right: 10px;">4013</p>	<p style="text-align: right;">91-880118A04</p> <p>Provides diagnostic coverage for SmartCraft-compatible engines that use the ECM555, PCM555 or PCM03 controllers. Do not use on engines produced after 2005. Product lines include Mercury, Mariner, MerCruiser, Race MerCruiser and Race Outboard engines. Used with either (or both) of the following cables.</p>
Data Link Harness  <p style="text-align: right; margin-right: 10px;">5826</p>	<p style="text-align: right;">84-822560A13</p> <p>Harness provides a diagnostic link to all Mercury Marine SmartCraft-compatible engines equipped with a 4 pin diagnostic link connector.</p>

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Data Link Harness	84-822560A5
 <p style="text-align: right;">4009</p>	<p>Harness provides a diagnostic link to early SmartCraft-compatible outboard engines equipped with a 2 pin diagnostic link connector.</p>
2 to 4 Pin Adapter Harness	84-822560T12
 <p style="text-align: right;">4679</p>	<p>Adapter (84-822560T12) allows the 84-822560A5 cable to be used on SmartCraft-compatible engines equipped with a 4 pin diagnostic link connector. The combination of 84-822560A5 and 84-822560T12 cables provides an approved substitute to the 84-822560A13.</p>
DDT Cartridge v5.0 - Outboard	91-822608 6
 <p style="text-align: right;">4013</p>	<p>This cartridge provides diagnostic coverage for early model EFI and DFI outboard engines that predate SmartCraft. Coverage includes carbureted 4-Stroke outboard ignition modules, Nippondenso fuel and ignition modules, Cummins fuel management modules, early DFI ECMs and certain Outboard Race EFI modules. Diagnostic cable 84-822560A5 is used on most of these applications.</p>
DDT Cartridge v2.0 - MerCruiser	91-803999
 <p style="text-align: right;">4013</p>	<p>This cartridge provides diagnostic coverage for MerCruiser EFI engines that use the marine electronic fuel injection (MEFI) system. MEFI engines were produced from approximately 1992–1999. This cartridge can also provide run history data on all MerCruiser carbureted engines using the Thunderbolt V ignition system (1995–current). See the note below.</p>

NOTE: The cables necessary for the systems covered by DDT cartridge v2.0 are:

1. 84-822560A2 diagnostic cable for all MEFI engines.
2. The Thunderbolt V product requires two cables:
 - a. Use 84-822560A6 cable as the base cable (connects to the DDT and the cable listed below).
 - b. Use 84-861540A1 cable for connection to the Thunderbolt V module and the cable listed above. This cable is no longer available from Mercury Marine.

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