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Instrument Systems
ST50 Series (Retired)
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Replacing ST50 transducers with ST60 transducers.

Question

The ST50 line of instrument transducers are now discontinued. In their place, ST60 series speed and depth transducers may be utilized along with a transducer junction box, part number E26026. When performing this swap, it is important to retain the ST50 transducer plug with a length of cable long enough to reach the junction box.

ST50 to ST60 Transducer Cross-Reference Guide

ST50 Transducer: (No Longer Available)	Description:	Equivalent ST60 Transducer:	ST50 to ST60 Junction Box:
Z090	ST50 Triducer moulded TM	E26006	E26026
Z091	ST50 Depth moulded TH	M78713	E26026
Z092/P	ST50 Speed moulded TH	M78712	E26026
Z093	ST50 Triducer bronze TH	E26011	E26026
Z115	ST50 Depth bronze TH (LS)	E26019	E26026
Z116	ST50 Speed bronze TH (LP)	M78716	E26026
Z118	ST50 Depth bronze TH (LP)	M78714	E26026
Z119	ST50 Speed moulded TM	E26005	E26026
Z120	ST50 Depth moulded retractable TH	M78718	E26026
E26002	ST50 Depth adjustable In-hull	E26001	E26026
E26012	ST50 Triducer bronze TH	E26011	E26026
NN-296	ST50 Depth bronze retractable TH	M78717	E26026


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Answer

ST50 Depth and Speed Transducer Replacement Instructions

When replacing an ST50 Depth or Speed Transducer for operation with an ST50 Instrument:

1. Order the equivalent ST60 Transducer.
2. Order the ST50 to ST60 Transducer Junction Box (E26026). – (See diagram below)
3. Cut and retain the ST50 Transducer Plug with enough cable to connect into the Junction Box.
4. Install the ST60 Transducer and run cable back to the Instrument or Junction Box.
5. Remove the crimp terminals from the ST60 Transducer cable and connect into the Junction Box terminal block.
6. Connect the short ST50 Transducer cable into the corresponding terminals of the Junction Box.
7. Connect the wires colour for colour, also maintaining the screen connections.
8. Connect the Transducer Plug into the corresponding socket on the ST50 Instrument.

Note:

ST50 & ST60 Depth Transducer connections are different. ST60 has 3 connections for Depth at the back of the Instrument. ST50 has 2 Depth connections at the Instrument plug where the black & screen cable cores are connected together.

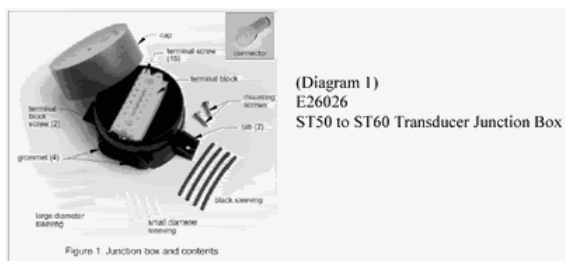
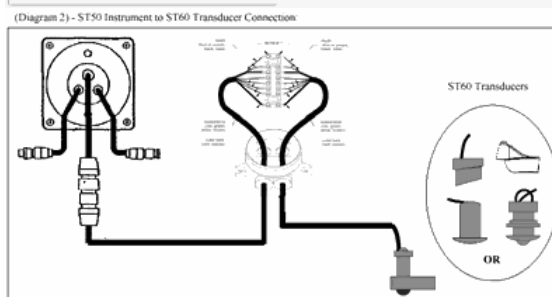


Figure 1. Junction box and contents



For your convenience, you may download the cross-reference table, instructions, and diagrams below, in higher resolution.

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Specific Product

ST50 Series Depth, Speed, Tridata

File Attachments

- ST50 to ST60 Transducer Instructions.pdf

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