

Ultrasound Ultraprobe 10,000 Instructions

GearBox Inspection

Rev. 1.0

3/2012 SAFETY: Wrist Strap to be Worn at ALL TIMES

TQC Work Verify

2-5 min

UE Systems Training

1

Needed: Ultraprobe 10,000 and CF card;
 Stethoscope Module; Rubber Focusing Probe;
 Headphones



2

Possible Accessories: Remote Magnetic
 Transducer; Extension Rods for Stethoscope
 Module



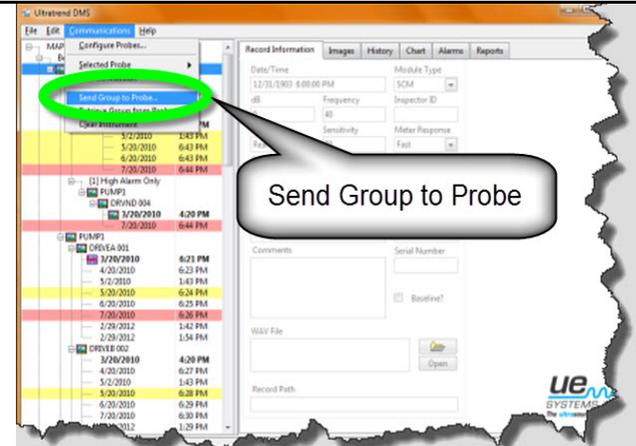
3

Move Cursor to Function Bar by Pushing
 Sens.Knob 2X and Press Enter for Setup Menu



4

If Using a Route, move Route to Flash Card, then
 load to Ultraprobe by using Data Transfer. Refer to
 Instructions "Loading Route."



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5

If baselining the route, have Instrument Setup in Manual. If route is established and baselined, have Inst.Setup in Auto.

NOTE

Refer to **Visual Instructions**
 for
General Setup
 and
Loading Route to Ultraprobe
10,000

6

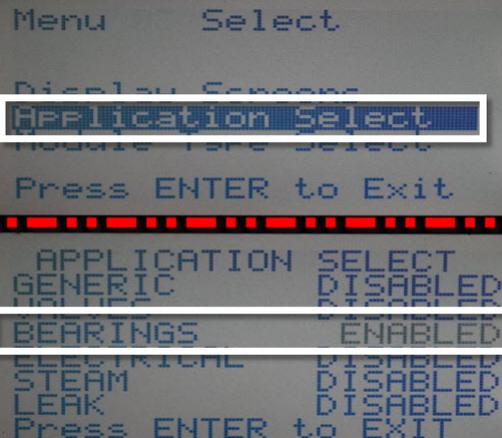
If you are PERFORMING the BASELINE Readings, proceed to NEXT INSTRUCTION, if not READ the Picture Below.

NOTE

If using setting of
Automatic and Route is Already
Baselined,
SKIP
 to
Instruction # 14 and set the
 Function Bar to "Store Record" or
 "Record Wav."

7

Rotate for Application Select, Push Sens.Knob. Rotate to Bearings or Generic, push Sens.Knob (Enable Bearings). Press Enter to Exit.



8

A clean memory is a must to keep files organized. It is Normal to Delete Records when changing apps.

****NOTE****

Make sure the Compact Flash Card is empty by deleting all the files on it, before starting or loading a new route.

The onboard built-in memory will be cleared once a New Route is loaded or by changing the Application

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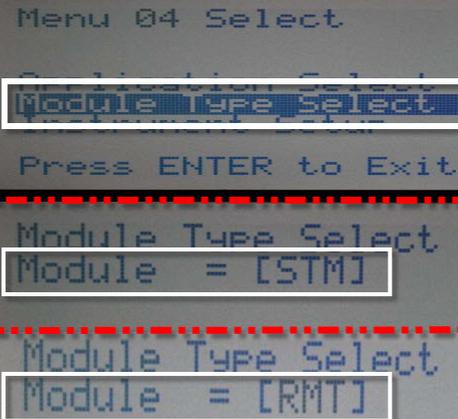
△ TQC **□ Work** **○ Verify**

2-5 min

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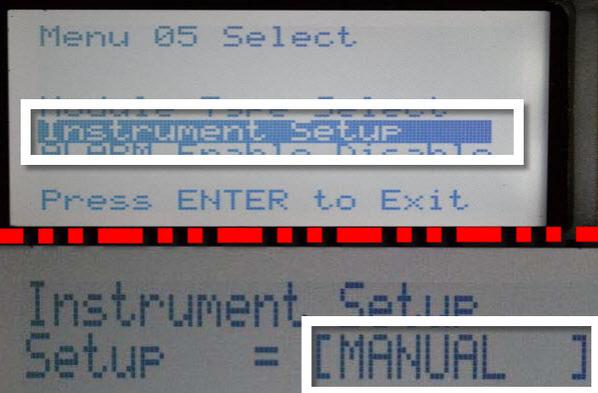
9

Rotate to Module Type Select, push Sens.Knob. Rotate to Stethoscope (STM) or Remote Magnet (RMT); Push Sens to Select/Exit



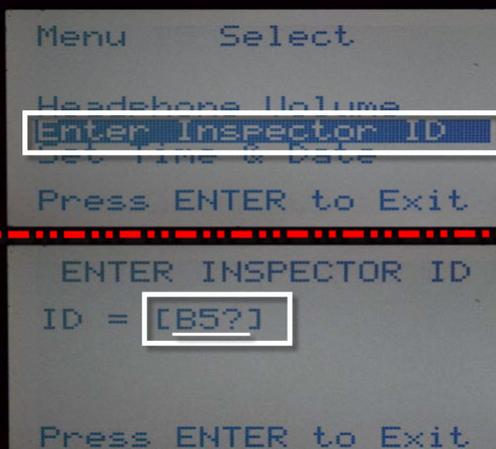
10

Rotate to Instrument Setup, Push Sens.Knob. Rotate for "Manual", Push Sens.Knob to Select/Exit



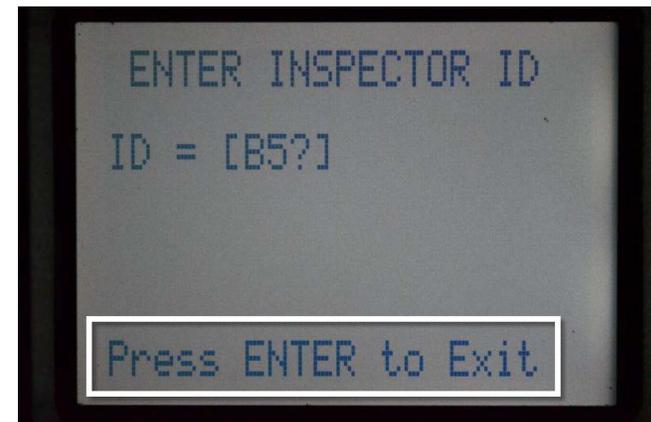
11

Rotate to Enter Inspector ID [under "More" in Setup Menu], push Sens.Knob. Enter 3 Alpha-Numeric Characters use Sens.Knob.



12

Press Enter 2X to Save/Exit and return to Main Display.



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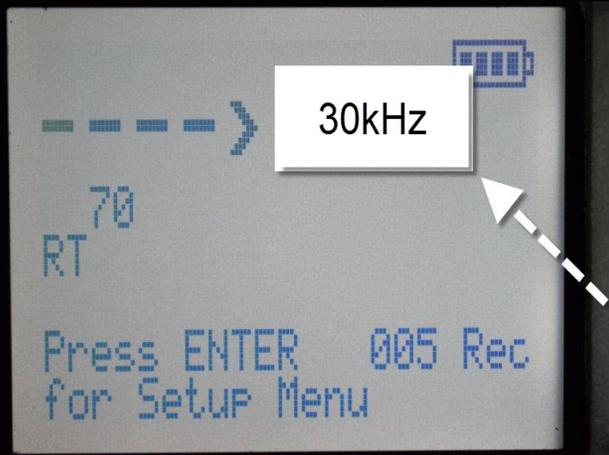
TQC Work Verify

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13

Push Sens.Knob 1X to move cursor to Frequency.
 Rotate to 30 kHz (or lower for slower speed)



14

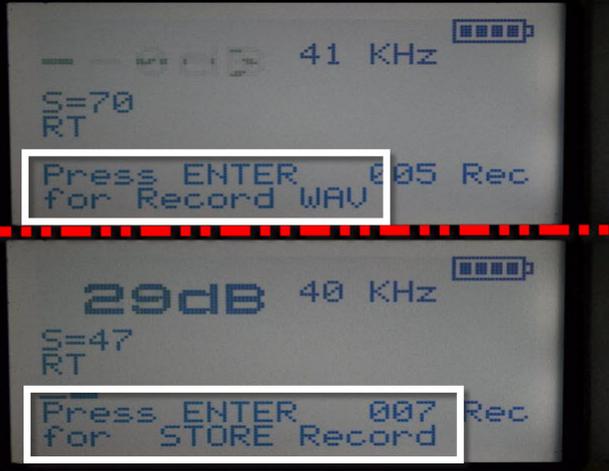
IF Route has been baselined and established refer to NOTE. Note does not hold true for troubleshooting WITHOUT having a route loaded.

Note

If a baseline route has already been created and **ESTABLISHED**, and that route has been loaded to the Ultraprobe 10,000 (in Automatic mode of Instrument Setup), there will be NO need to change the Application, Module, Inspector ID, or Frequency as this will happen automatically.

15

Push Sens. 1X more [if cursor at S= push 2X] moving Cursor to Function Bar. Rotate Sens until Store Record or Record Wav in prep for readings.



16

Push Sens.Knob 1X more to return cursor to S= (Operational Home Spot for Adjusting Sensitivity).



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NOTE: Choose your test point.

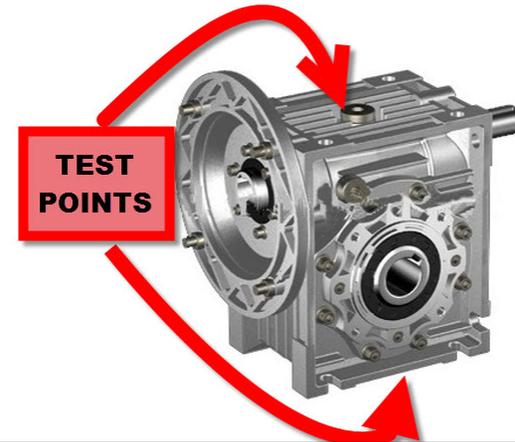
NOTE

Prepare to take a Reading:
 Place the cursor back to the Sensitivity
 Position (S= ___)
 and then choose your point and listen.
 The Stethoscope module should rest on
 the test point as close to a 90* angle to
 test point as possible.

NEVER PLACE PRESSURE on the test
 point!!!

18

Number of Test Points depends on Size&Number
 of Gears in Box. Choose Test Points away from
 Bearings closest to Gears.



19

[Store Record: Adjust Sens. for dB] OR [Record
 WAV: Adjust Sens (dB) AND Intensity Meter (2-4
 Bars)]



20

Visual Instructions exist for Storing a Record or
 Recording a Sound WAV.

Refer to **Visual Instruction**
 for:
Storing a Record
 or
Recording a Sound WAV

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Once Finished with Storing Record or Recording Way, move to next test point. Unit Returns to Main Display advanced to next point.

WAVE
STORE
CONFIRMED

STORE
RECORD
CONFIRMED

22

ALWAYS WEAR the HEADPHONES.

NOTE

Even though you may adjust the Sensitivity and Intensity Meter for Storing Records and Record WAV, it is important to WEAR the HEADPHONES and listen.

So before adjusting for storage, adjust the Sensitivity for your EARS and LISTEN to the quality of bearing. Sound doesn't Lie.