



# Test Monitoring Center

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Sequence VG Information Letter 05-4

Sequence No. 25

December 9, 2005

***ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.***

TO: Sequence VG Mailing List

SUBJECT: 1. Change to Location of AFR Sensor and Additional AFR Measurement Device  
2. Requirements for Raters to Attend Rating Workshops

1. At the November 10, 2005 meeting of the Sequence V Surveillance Panel, the panel agreed to allow the use of another AFR measurement device. Sections 9.6.1.1 and 9.6.1.2 of Test Method D6593 have been revised to reference this device. In addition, the panel agreed to add a tolerance to the location of the AFR probe. Annex A3.16 has been revised to show the probe location as  $127 \pm 25$  mm. Appendix X2 has been revised to list the suppliers of these devices.
2. At the November 10, 2005 meeting of the Sequence V Surveillance Panel, a motion was approved to require that, in order to rate Sequence VG parts, a rater must attend a CRC Light Duty Rating Workshop on an annual basis and generate data that meets the CRC's definition of Blue, Red, or White. Provisions for raters who are unable to attend the workshop have also been delineated. This change is effective with the next scheduled CRC Light Duty Rating Workshop. Section 13.1.5 of Test Method D6593 has been revised to reflect this change

The attached changes to Test Method D6593 are effective November 10, 2005.

Peter Misangyi  
Product Engineering  
Ford Motor Company

John L. Zalar  
Administrator  
ASTM Test Monitoring Center

Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencev/procedure\\_and\\_ils/vgil05-4-25.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencev/procedure_and_ils/vgil05-4-25.pdf)

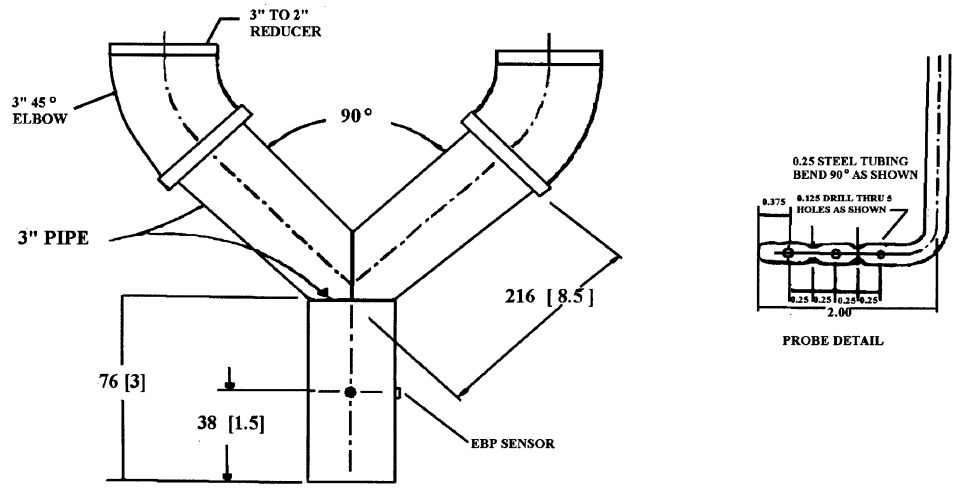
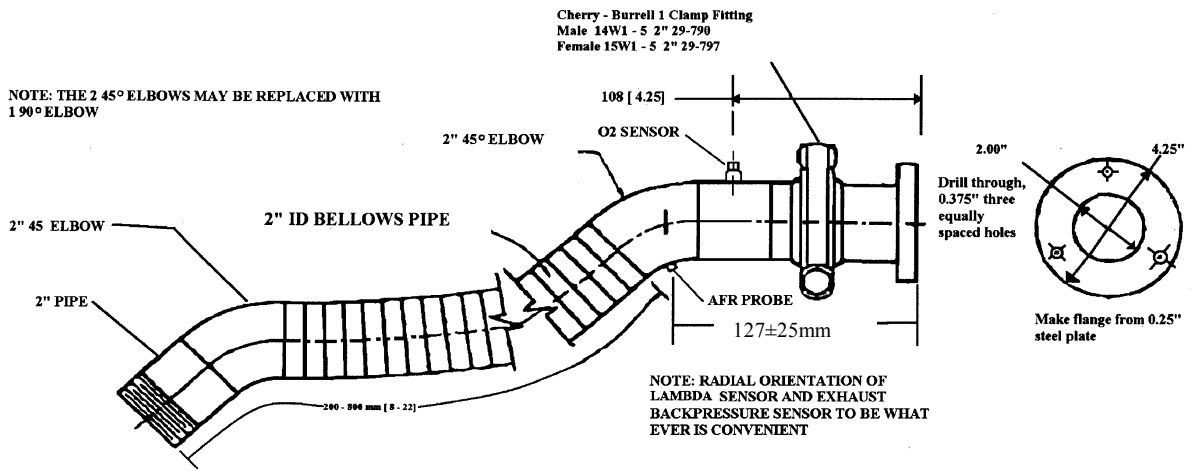
Distribution: Email

(Revises Test Method D 6593-05, as amended by Information Letters 04-4, 05-1, 05-2 and 05-3)

9.6.1.1 Determine the air-fuel ratio using a device to measure Lambda. Suitable devices are available from the suppliers listed in X2.1.

9.6.1.2 Calibrate, zero and span the Horiba supplied unit per the users manual prior to conducting a stand reference oil test. No calibrations are required for the unit from the PLX supplier

13.1.5 All raters of Sequence VG engine parts shall attend a CRC Light Duty Rating Workshop every twelve months  $\pm$  30 days and generate data that meets CRC's definition of Blue, Red or White. If a rater is unable to attend a CRC Light Duty Workshop for reasons beyond the rater's control, the rater shall attend the very next CRC workshop (Heavy Duty or Light Duty). If the rater does not attend the very next CRC workshop, the rater can no longer rate Sequence VG reference and non-reference oil test engine parts until after a CRC Light Duty Rating Workshop has been successfully attended.



DIMENSIONS ARE IN MILLIMETERS AND [INCHES]

Fig A3.15 Typical Laboratory Exhaust

## X2.1.22 Lambda Measurement Devices

Suitable devices for measuring exhaust gas Lambda are available from the following suppliers:

Horiba Instruments, Inc.  
17671 Armstrong  
Irvine Industrial Complex  
Irvine, CA 92623  
Telephone: (714) 250-4811

PLX Devices Inc.  
1261 Birchwood Dr.  
Sunnyvale, CA 94089  
Phone: (408) 745-PLX1 (7591)