



## Test Monitoring Center

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Sequence IVA Information Letter No. 02-1  
Sequence No. 7

February 12, 2002

***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 IVA Mailing List

SUBJECT: Revised Engine Break-In Specifications  
Updated Draft Standard of the Sequence IVA Test Procedure

This Information Letter implements action items approved by the Sequence IVA Surveillance Panel. This Information Letter addresses specific parts and procedures pertaining to quality, consistency, performance, and accountability of test parts as part of the ongoing effort by the panel to ensure continual process improvement of the Sequence IVA test.

### Revised Engine Break-In Specifications

At the November 14, 2001 meeting of the Sequence IVA Surveillance Panel the panel approved a motion to revise the engine break-in specifications for exhaust pressure for steps 7 and 8. The specification changed from 103.5 kPa to 105.5 kPa for the two steps in question. This change is effective on November 14, 2001. Figure A1.1 of the Updated Draft Standard of the Sequence IVA Test Procedure (see below), which is part of this Information Letter, has been updated with this new specification.

### Updated Draft Standard of the Sequence IVA Test Procedure

At the November 14, 2001 meeting of the Sequence IVA Surveillance Panel the panel approved a motion to release an updated draft of the Sequence IVA Test Procedure. Draft 6 is available for download from the TMC website as a PDF file. All future Information Letters will be written against this draft. It can be downloaded from:

[ftp://www.tmc.astm.cmri.cmu.edu/documents/gas/sequenceiv/procedures\\_and\\_ils/Draft6.pdf](ftp://www.tmc.astm.cmri.cmu.edu/documents/gas/sequenceiv/procedures_and_ils/Draft6.pdf)

Larry M. Bendele  
Chairman  
Sequence IVA Surveillance Panel

John Zalar  
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ASTM Test Monitoring Center

Attachment

c: [ftp://www.tmc.astm.cmri.cmu.edu/documents/gas/sequenceiv/procedures\\_and\\_ils/ivail02-1-7](ftp://www.tmc.astm.cmri.cmu.edu/documents/gas/sequenceiv/procedures_and_ils/ivail02-1-7)

Distribution: US Mail

## SEQUENCE IVA

Step	Duration min	Engine Speed r/min	Engine Torque N·m	Coolant Flow L/min	Coolant Out Temp °C	Cyl. Head Oil Gallery Temp. °C	Intake Air Temp °C	Intake Air Pressure kPa	Exhaust Pressure kPa-abs
1	10	800	10	20	50.0	49.0	32	0.050	103.5
2	10	1600	10	30	50.6	51.4	32	0.050	103.5
3	10	2000	40	40	55.2	62.6	32	0.050	103.5
4	10	2400	40	50	56.4	65.3	32	0.050	103.5
5	10	2400	75	50	62.5	80.0	32	0.050	103.5
6	15	2800	75	60	64.7	85.2	32	0.050	103.5
7	15	3200	75	70	66.9	90.5	32	0.050	105.5
8	15	3200	110	70	75.0	110.0	32	0.050	105.5

Fig. A1.1 Break-In Schedule