



## Test Monitoring Center

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Sequence IVA Information Letter 13-2  
Sequence Number 21  
February 8, 2013

***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: 1) Increase in number of Runs Allowed on Heads and Engines  
2) Alternate Engine Oil Cooler

- 1) At the January 24, 2013 Sequence IV Surveillance panel meeting, the panel approved an increase in the number of runs allowed on the cylinder heads and engines to extend the life of usable hardware. Table A2.1 has been revised to increase the number of runs on a cylinder head from 16 to 24 and on an engine from 32 to 48.
- 2) Also during the January 24, 2013 meeting, the panel agreed to allow the use of an oil cooler from OH Technologies since the Nissan Oil cooler is no longer available. Table A2.1 has been revised to include an oil cooler and adapter available from OH Technologies.

The attached changes to Test Method D 6891 are effective January 24, 2013.

William A. Buscher III  
Chairman  
Sequence IVA Surveillance Panel

Frank M. Farber  
Director  
ASTM Test Monitoring Center

Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiv/procedure\\_and\\_ils/il13-2.pdf](ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiv/procedure_and_ils/il13-2.pdf)

Distribution: Email

# Revises Test Method D 6891-10a, as amended by Information Letter 13-1

## A2. PARTS LIST

A2.1 This annex illustrates the parts needed for the Sequence IVA test (Table A2.1).

TABLE A2.1 Parts List

Section	Description	Part Number	Contents	Supplier
6.1	Bare Engine Assembly	A0102-76P01	Engine Block / Head / Valvetrain Assembly <sup>A</sup>	Nissan North America, Inc.
6.4.1.3	Test Kit	13000-40F85	Camshaft Assembly (1) Rocker Shaft (2) Rocker Arms (12) Oil Filter Assembly (3) Spark Plug (4)	Nissan North America, Inc.
6.4.1.4	Head Assembly <sup>B</sup>	A1040-40F80	with Valves and Springs without Camshaft, Rocker Arms	Nissan North America, Inc.
6.2.7	Oil Cooler	21305-03E00	Engine Oil Cooler	Nissan North America, Inc. or
	Oil Cooler Adapter	OHTKA24-006-1 OHTKA24-005-1	Engine Oil Cooler Adapter for OH oil cooler	OH Technologies, Inc. and OH Technologies, Inc.
6.4.1.4	Engine Valve Re grind Kit	A1042-10C2E	Head Gasket and Seals	Nissan North America, Inc.
6.4.1.2	Test Stand Kit No. 1	A0001-76P25		Nissan North America, Inc.
6.4.1.2	Test Stand Kit No. 2	A1001-40F25		Nissan North America, Inc.
6.4.1.2	Test Stand Kit No. 3	B4010-40F26		Nissan North America, Inc.
6.4.1.2	Test Stand Kit No. 4	14004-F4003		Nissan North America, Inc.
6.3.9	Jacketed Rocker Cover	TEI-NIVAWCR-020	Aluminum Jacketed Rocker Cover	Test Engineering, Inc.
6.2.9	Modified Wiring Harness	OHTKA24-002-1	Modified Harness for ECM	OH Technologies, Inc.
6.3.4.2	Air Filter Assembly	16500-86G50KT	Air Filter Housing and Element	Nissan North America, Inc.
6.5.1	Cam Angle Encoder Cylinder Head Calibration Apparatus	NIVACWM010		Test Engineering, Inc. OH Technologies, Inc.
7.4.2	Silicone Gasket Maker	999MP-A7007	RTV sealant	Nissan dealer
7.2	Test Fuel	KA24E	KA24E (dyed green)	Dow Chemical
7.3.1	Break-In Oil	TMC 926-2	TMC926-2	ASTM Test Monitoring Center

<sup>A</sup> Can be used for forty–eight tests; cylinder head included with assembly can be used for twenty-four tests.

<sup>B</sup> Can be used for twenty-four tests.