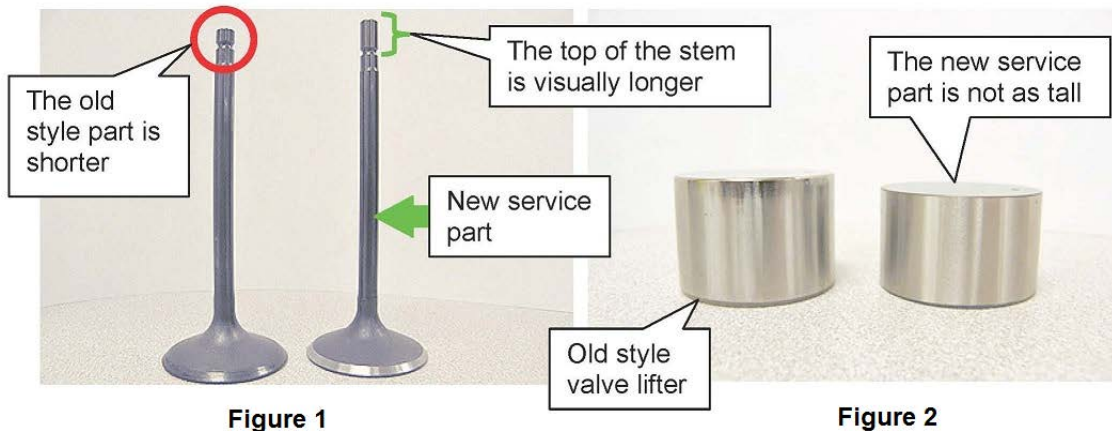




Revised Lifter and Valves for 2004-2014 Nissan 4.0 & 5.6L Engines

The AERA Technical Committee offers the following information on a revised lifter and valves for 2004-2014 Nissan 4.0 & 5.6L VQ40 & VK56 engines. The use of the original design valvetrain components with the revised valvetrain components will result in engine damage. The revised valves are significantly longer than previous designs.

APPLIED VEHICLES: 2004 - 2013 Titan (A60)
2004 - 2013 Armada (TA60)
2012 - 2013 NV1500/2500/3500 (F80)
2008 - 2012 Pathfinder (R51)
2005 - 2014 Frontier (D40)
2005 - 2014 Xterra (N50)



SERVICE INFORMATION

The specifications for the intake and exhaust valves and valve lifter service parts have been changed.

1. The valve stem length of both intake and exhaust valve has been increased (Figure 1) and are a direct replacement for the shorter style valve.
2. The related valve lifter cup has been shortened (Figure 2) and the point at which the valve lifter contacts the valve stem has been shortened (not shown). The revised lifter thickness range has also been increased.

These service parts will require that the valve and valve lifter be replaced at the same time, intermixing of designs is not recommended. Refer to the chart below for identification of the current lifter part numbers available. At the time of this bulletin the revised lifter is only available from Nissan.

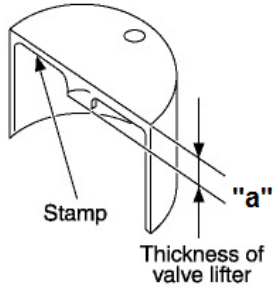


Figure 4. Identifying Revised Lifter

Table A

Nissan Part Number	Thickness "a"	Identification
13231-9HP0A	3.00	300
13231-9HP0B	3.02	302
13231-9HP0C	3.04	304
13231-9HP0D	3.06	306
13231-9HP0E	3.08	308
13231-9HP1A	3.10	310
13231-9HP1B	3.12	312
13231-9HP1C	3.14	314
13231-9HP1D	3.16	316
13231-9HP1E	3.18	318
13231-9HP2A	3.20	320
13231-9HP2B	3.22	322
13231-9HP2C	3.24	324
13231-9HP2D	3.26	326
13231-9HP2E	3.28	328
13231-9HP3A	3.30	330
13231-9HP3B	3.32	332
13231-9HP3C	3.34	334
13231-9HP3D	3.36	336
13231-9HP3E	3.38	338
13231-9HP4A	3.40	340
13231-9HP4B	3.42	342
13231-9HP4C	3.44	344
13231-9HP4D	3.46	346
13231-9HP4E	3.48	348
13231-9HP5A	3.50	350

Figure 5. Revised Lifter Part Numbers

The AERA Technical Committee

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