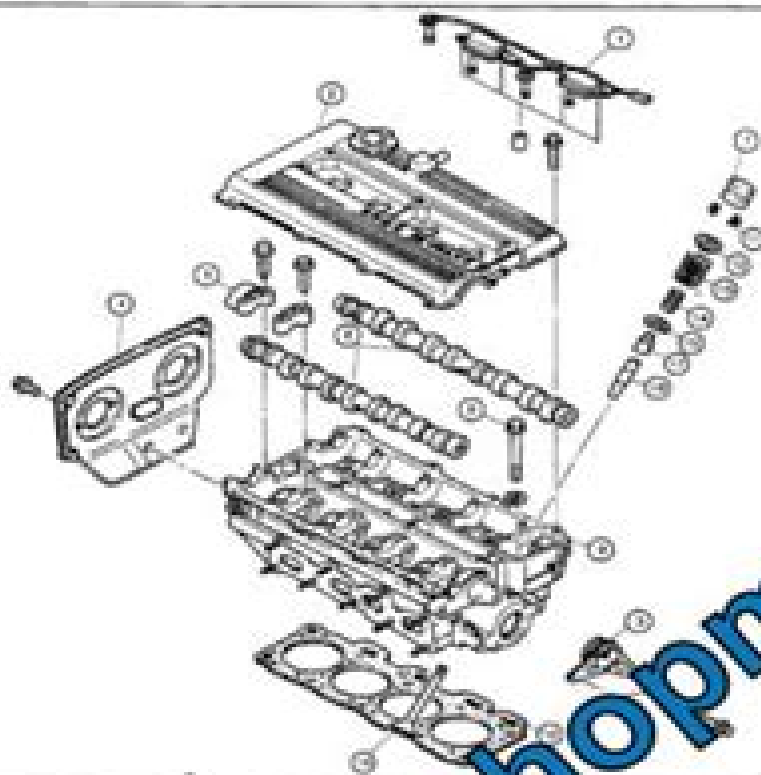


KIA Sportage 1993-2004 Workshop Manual

FE DOHC ENGINE 10-2

CYLINDER HEAD



1. Ignition Coils and High Tension Leads
2. Cylinder Head Cover
3. Camshaft Position Sensor
4. Seal Plate
5. Camshaft Caps
6. Camshafts

7. Hydraulic Lifters
8. Outer Valve Spring
9. Inner Valve Spring
10. Lower Spring Seat
11. Valve
12. Valve Stem Seal
13. Valve Guide

13. Outer Valve Spring
14. Inner Valve Spring
15. Lower Spring Seat
16. Valve
17. Valve Stem Seal
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FE DOHC ENGINE 10-3

INTAKE MANIFOLD

Removal

1. Disconnect negative battery cable.

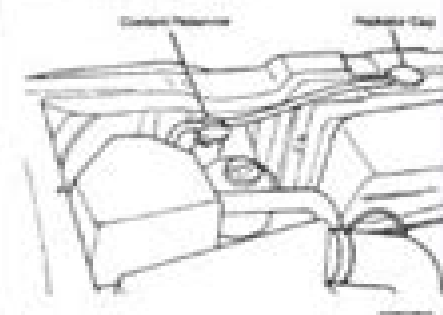


2. Remove the two air intake tube to cylinder head cover bolts.
3. Remove the three air intake tube to throttle body bolts.
4. Loosen the clamp from the air intake hose to MAF sensor.
5. Remove the idle air control valve hose, the breather hose and the vacuum line from the air intake tube.
6. Remove the air intake tube and air intake hose as an assembly.
7. Remove the PCV hose from the dynamic chamber.

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10. Remove the radiator cap.



11. Loosen the radiator drain plug and drain the engine coolant into a suitable container.
12. Tighten the radiator drain plug.



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Pennsylvania. Supreme Court



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covering Routine maintenance Tune up procedures Engine repair Cooling and heating Air conditioning Fuel and exhaust Emissions control Ignition Brakes Suspension and steering Electrical systems and Wiring diagrams Models covered include Kia Sephia 1994 2001 Kia Spectra 2000 2009 Kia Sportage 2005 2020 **Kia Sorento Automotive Repair Manual, 2003-13** Jeff Killingsworth, 2013-10-01 This is a repair manual for the Kia Sorento 2003 13 model **Chilton's Kia Optima 2001-10 Repair Manual** Mike Stubblefield, 2012 This manual shows the reader how to repair the Kia Optima **KIA 1995 Sportage Service Manual** Kia Motors America, Inc, 1996

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