

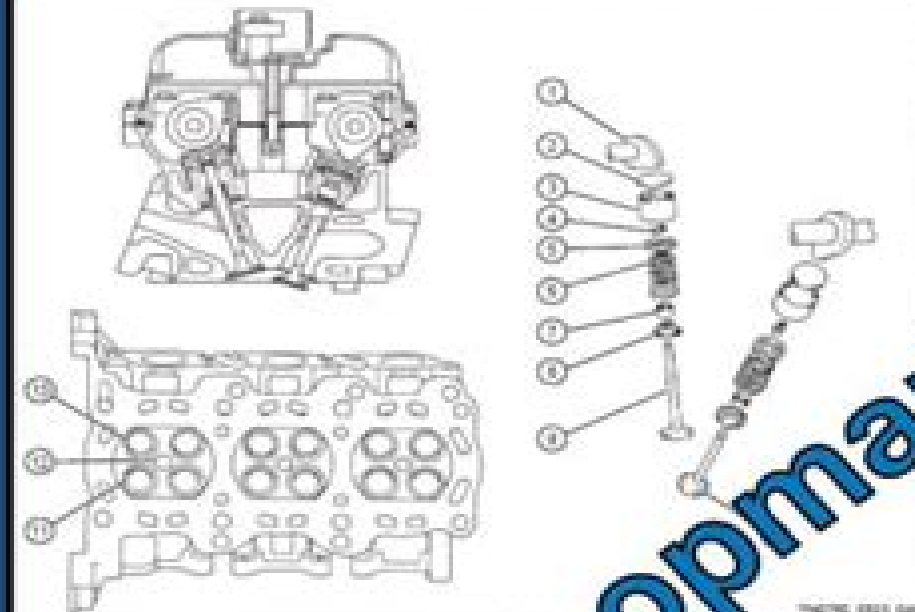
Suzuki Alto 2009-2016 K6A Engine Workshop Manual

THEORY OF OPERATION

SPECIFICATIONS AND GENERAL INFORMATION

4.5 Cylinder Head and Valve Train

See Figure 4-10



- | | |
|--------------------------|--------------------------|
| 1. Camshaft | 5. Valve Spring |
| 2. Shim | 6. Valve Spring Seat |
| 3. Tappet | 7. Valve Spring Retainer |
| 4. Retainer Lock | 8. Valve Spring |
| 5. Valve Spring Retainer | |

The two cam, 4-valve per cylinder head is cast in an aluminum alloy that is both lightweight and efficient in heat dissipation. Valve angle is also made for a compact head design.

The spark plug port (12) is located in the combustion chamber, with the spark plug being a port-inlet design for improved efficiency.

The intake (11) and exhaust ports (13) are arranged in a cross-flow style with each cylinder having two intake and two exhaust valves for improved intake and exhaust efficiency. Intake valves are faced with a dual angle while exhaust valves have a single angle face.

The valve spring retainer (5), valve spring (6), valve seat (7), and valve spring seat (8) are all installed over the valve stem and held in place with the retainer lock (4).

The valves (9 and 10) are pushed down directly with the camshaft lobe (1) via shim (2) and tappet (3). Valve seat is adjusted by varying the thickness of the shim (2).

Engine Component Locations

See Figures 2-2 through 2-6



Figure 2-2

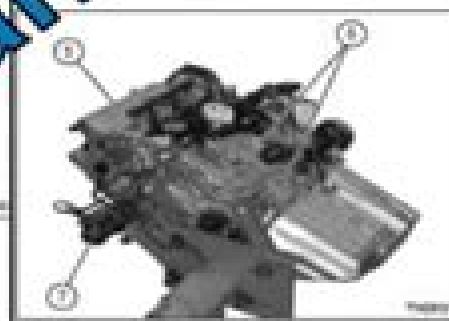


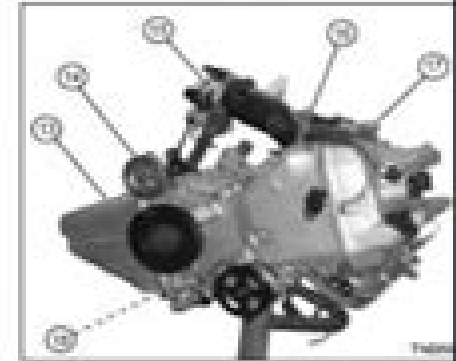
Figure 2-3



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- | | |
|--------------------|--------------------|
| 1. Throttle Body | 11. Crossed Flange |
| 2. Cylinder Head | 12. Intake Flange |
| 3. Intake Manifold | |

Figure 2-4



- | | |
|---------------|-----------------|
| 1. Oil Pan | 16. Right Cover |
| 2. Oil Pump | 17. Fuel Filter |
| 3. Oil Filter | 18. Oil Filter |

Figure 2-5

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Engine Manual For Suzuki 4

STEVE ESOMBA, Dr.



Engine Manual For Suzuki 4:

VW Polo Petrol & Diesel Service & Repair Manual R. M. Jex, 2007 Hatchback including special limited editions Does NOT cover features specific to Dune models or facelifted Polo range introduced June 2005 Petrol 1 2 litre 1198cc 3 cyl 1 4 litre 1390cc non FSI 4 cyl Does NOT cover 1 4 litre FSI engines Diesel 1 4 litre 1422cc 3 cyl 1 9 litre 1896cc 4 cyl inc PD TDI turbo

Chilton's Truck and Van Repair Manual 1982-88 Chilton Automotive Books, 1988-03

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Motor Imported Car Repair Manual, 1987

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Federal Register, 2013

Chilton's Motorcycle

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 - The Rise of Digital Reading Engine Manual For Suzuki 4
 - Advantages of eBooks Over Traditional Books
2. Identifying Engine Manual For Suzuki 4
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Engine Manual For Suzuki 4
 - User-Friendly Interface
4. Exploring eBook Recommendations from Engine Manual For Suzuki 4
 - Personalized Recommendations
 - Engine Manual For Suzuki 4 User Reviews and Ratings
 - Engine Manual For Suzuki 4 and Bestseller Lists
5. Accessing Engine Manual For Suzuki 4 Free and Paid eBooks
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 - Engine Manual For Suzuki 4 Budget-Friendly Options
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- Engine Manual For Suzuki 4 Enhanced eBook Features
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 - Adjustable Fonts and Text Sizes of Engine Manual For Suzuki 4
 - Highlighting and Note-Taking Engine Manual For Suzuki 4
 - Interactive Elements Engine Manual For Suzuki 4
- 8. Staying Engaged with Engine Manual For Suzuki 4
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Engine Manual For Suzuki 4
- 9. Balancing eBooks and Physical Books Engine Manual For Suzuki 4
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Engine Manual For Suzuki 4
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Engine Manual For Suzuki 4
 - Setting Reading Goals Engine Manual For Suzuki 4
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Engine Manual For Suzuki 4
 - Fact-Checking eBook Content of Engine Manual For Suzuki 4
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
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 - Integration of Multimedia Elements
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