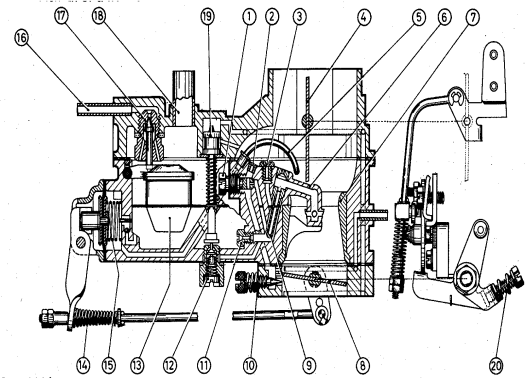


# 13 11 009 - Cleaning carburettors

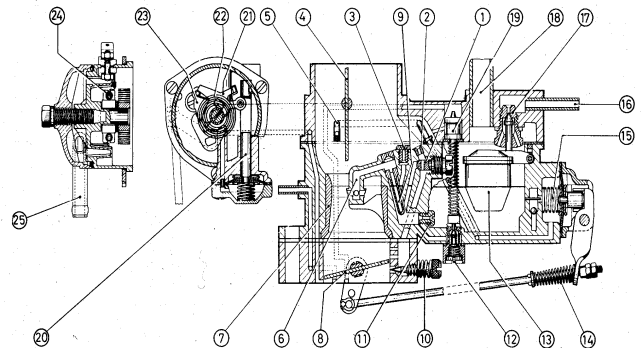
## Carburettor - cleaning

After about 50,000 km (30,000 miles) or one year the carburettor should be through cleaned. Mechanical parts subject to wear, jets, diaphragms, and floats should be renewed depending on length of time used.



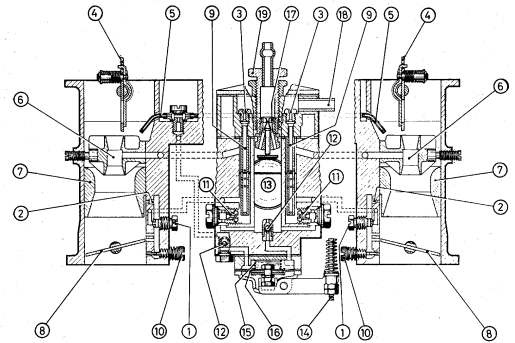
- A) BMW 1600/2 - 2002  
Solex carburettor 36 - 40 PDSI
- |                       |                                     |                                  |
|-----------------------|-------------------------------------|----------------------------------|
| 1. Idler jet          | 8. Butterfly valve                  | 14. Pump lever                   |
| 2. Idler air jet      | 9. Mixer pipe                       | 15. Diaphragm spring             |
| 3. Air regulating jet | 10. Idling mixture regulating screw | 16. Pump diaphragm               |
| 4. Starter valve      | 11. Main jet                        | 17. Float needle valve           |
| 5. Injection pipe     | 12. Enrichment valve                | 18. Float chamber bleed          |
| 6. Outlet pipe        | 13. Float                           | 19. Vacuum plunger               |
| 7. Venturi tube       |                                     | 20. Idling speed adjusting screw |

## B) Automatic models



- B) BMW 2002A  
Solex carburettor 40 PDSIT
- |                         |                                     |                          |
|-------------------------|-------------------------------------|--------------------------|
| 1. Idler jet            | 10. Idling mixture regulating valve | 18. Float chamber bleed  |
| 2. Idler air jet        | 11. Main jet                        | 19. Vacuum plunger       |
| 3. Air regulating valve | 12. Enrichment valve                | 20. Pull rod             |
| 4. Starter valve        | 13. Float                           | 21. Carrier lever        |
| 5. Injection pipe       | 14. Pump lever                      | 22. Bi-metallic spring   |
| 6. Outlet pipe          | 15. Diaphragm spring                | 23. Stepped disc         |
| 7. Venturi tube         | 16. Pump diaphragm                  | 24. Hot water connection |
| 8. Butterfly valve      | 17. Float needle valve              |                          |
| 9. Mixer pipe           |                                     |                          |

## C) Twin-barrel carburettor models



- C) BMW 2002 TI  
Solex twin choke horizontal carburettor 40 PHH
- |                       |                                     |  |
|-----------------------|-------------------------------------|--|
| 1. Idling jet         | 8. Throttle butterfly               | 15. Diaphragm spring                     |
| 2. Idling air jet     | 9. Emulsion tube                    | 16. Pump diaphragm                       |
| 3. Air correction jet | 10. Idling mixture regulating screw | 17. Float needle valve                   |
| 4. Choke butterfly    | 11. Main jet                        | 18. Float chamber breather               |
| 5. Injection pipe     | 12. Ball valve                      | 19. Adjusting screw for level correction |
| 6. Pre-atomiser       | 13. Float                           |  |
| 7. Venturi tube       | 14. Pump lever                      |  |