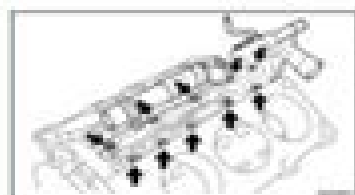


# Toyota Avalon 2000-2004 Workshop Manual



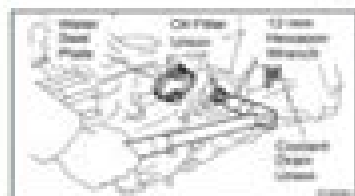
## 13. REMOVE KNOCK SENSORS

- Disconnect the 2 knock sensor connectors.
- Using SST, remove the 2 knock sensors.  
SST 09P10-30010



## 14. REMOVE WATER INLET HOUSING

- Remove the engine wire band.
  - Disconnect the engine wire clamp from the bracket.
  - Remove the 8 bolts, 2 nuts and water inlet housing.
- 15. REMOVE WATER PUMP (See page 00-4)**
- 16. REMOVE NO.1 OIL PAN (See page 10-8)**
- 17. REMOVE OIL STRAINER (See page 10-3)**
- 18. REMOVE NO.1 OIL PAN (See page 10-3)**
- 19. REMOVE OIL PUMP (See page 10-8)**
- 20. REMOVE OIL FILTER (See page 10-3)**
- 21. REMOVE OIL FILTER UNION**



Using a 12 mm hexagon wrench, remove the oil filter union.

## 22. REMOVE WATER SEAL PLATE

Remove the 2 nuts and seal plate.

## 23. REMOVE ENGINE COOLANT DRAIN UNION



## 24. REMOVE CYLINDER HEAD SIDE COVER

Remove the 3 bolts and 1 nut, and the side cover and gasket.

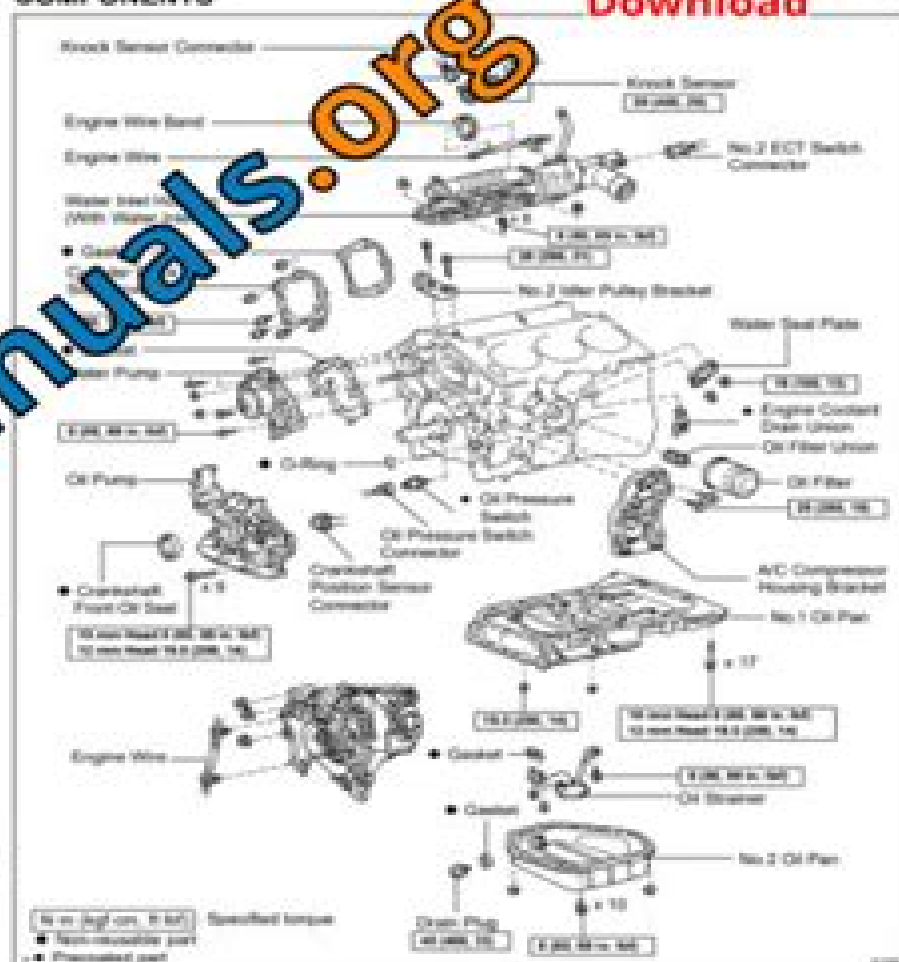


## 25. REMOVE REAR OIL SEAL RETAINER

- Remove the 6 bolts.
- Using a screwdriver, remove the oil seal retainer by prying the portions between the oil seal retainer and main bearing cap.

## CYLINDER BLOCK COMPONENTS

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**Sebastian Brünink**



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