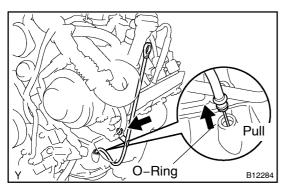
LU05R-03

REMOVAL

HINT:

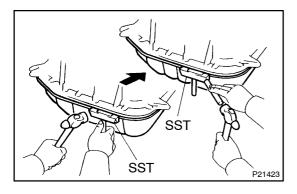
When repairing the oil pump, the oil pan and strainer should be removed and bleaned.

- 1. REMOVE ENGINE AND TRANSMISSION ASSEMBLY FROM VEHICLE (See page EM-85)
- 2. SEPARATE ENGINE AND TRANSMISSION (See page EM-85)
- 3. INSTALL ENGINE TO ENGINE STAND FOR DIS-ASSEMBLY
- 4. REMOVE TIMING BELT See page EM-18)
- 5. REMOVE[NO.1 []DLER[PULLEY[[See[page[EM-18]]
- 6. REMOVE[NO.2[]DLER[PULLEY[[See[page[EM-18]]
- 7. REMOVE CRANKSHAFT TIMING PULLEY (See page EM-18)



8. REMOVE OIL DIPSTICK AND GUIDE

- (a) Remove the bolt holding the oil dipstick to the LH cylinder head.
- (b) Pull out the dipstick guide together with the dipstick from the No.1 oil pan.
- (c) Remove the O-ring from the dipstick guide.
- 9. REMOVE OIL LEVEL SENSOR
- (a) Remove the 4 bolts and level sensor.
- (b) Remove the gasket from the level sensor.
- 10. REMOVE FILTER BRACKET ASSEMBLY
- (a) Disconnect the 2 water bypass hoses from the oil cooler.
- (b) Disconnect the oil pressure switch connector.
- (c) Remove the stud bolt, 2 nuts, the filter bracket assembly with the oil filter and oil cooler.
- (d) Remove the gasket from the filter bracket.
- 11. REMOVE CRANKSHAFT POSITION SENSOR
- (a) Disconnect the position sensor connector.
- (b) Remove the bolt and position sensor.

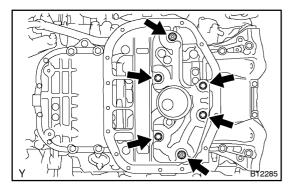


12. REMOVE NO.2 OIL PAN

- (a) Remove the 13 bolts and 2 nuts.
- (b) Insert the blade of SST between the No.1 and No.2 oil pans, cut off applied sealer and remove the No.2 oil pan. SST 09032-00100

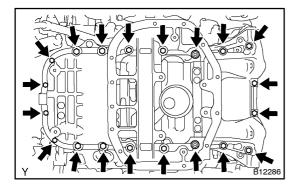
NOTICE:

- Be careful not to damage the No.2 oil pan contact surface of the No.1 oil pan.
- Be careful not to damage the No.2 oil pan flange.



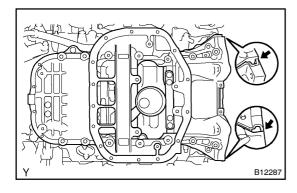
13. REMOVE OIL PAN BAFFLE PLATE

Remove the 4 bolts, 2 nuts and baffle plate.



14. REMOVE NO.1 OIL PAN

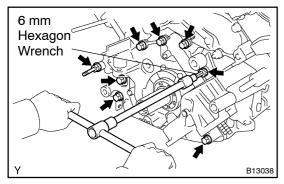
(a) Remove the 18 bolts and 2 nuts.



(b) Using a screwdriver, remove the No.1 oil pan by prying between the oil pan and cylinder block.

15. REMOVE OIL STRAINER

Remove the 2 bolts, 2 nuts, oil strainer and gasket.

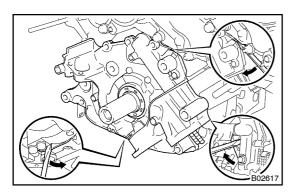


16. REMOVE OIL PUMP

(a) Remove the 8 bolts.

HINT:

Use a 6 mm hexagon wrench for the hexagon head bolt.



- (b) Using a screwdriver, remove the oil pump by prying the portions between the oil pump and cylinder block.
- (c) Remove the O-ring from the cylinder block.

LEXUS LS430 (RM792E)