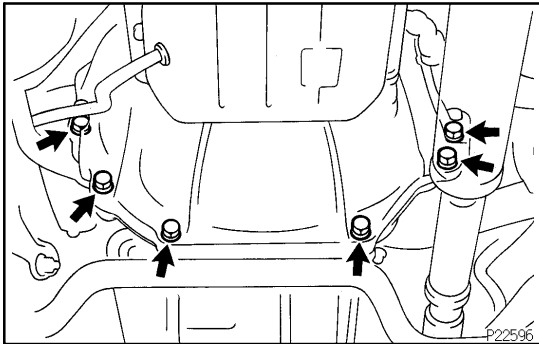


REMOVAL

HINT:

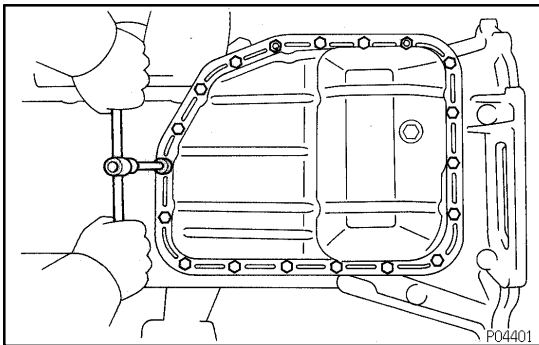
When repairing the oil pump, the oil pan and strainer should be removed and cleaned.

1. **DRAIN ENGINE OIL**
2. **REMOVE ENGINE UNDER COVER**
3. **DRAIN ENGINE COOLANT**
4. **REMOVE RADIATOR (See CO-14)**
5. **DISCONNECT A/C COMPRESSOR AND BRACKET (See page EM-64)**
6. **REMOVE RADIATOR PIPE (See page EM-64)**
7. **REMOVE WATER PUMP (See page CO-4)**
8. **REMOVE CYLINDER HEAD (See EM-25)**
9. **DISCONNECT OIL COOLER PIPE BRACKET FROM NO. 1 OIL PAN**
10. **REMOVE OIL LEVEL SENSOR**
 - (a) Remove the 4 bolts and level sensor.
 - (b) Remove the gasket from the level sensor.



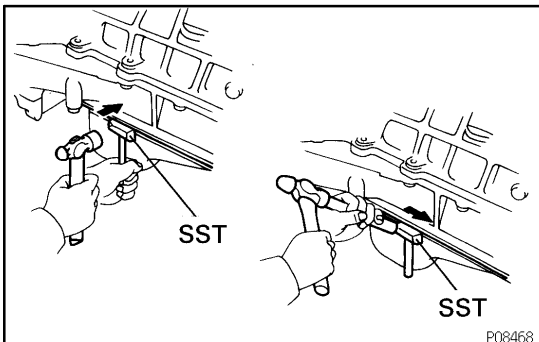
11. **REMOVE BOLTS HOLDING NO. 1 OIL PAN TO TRANSMISSION HOUSING**

Remove the 6 bolts.



12. **REMOVE NO. 2 OIL PAN**

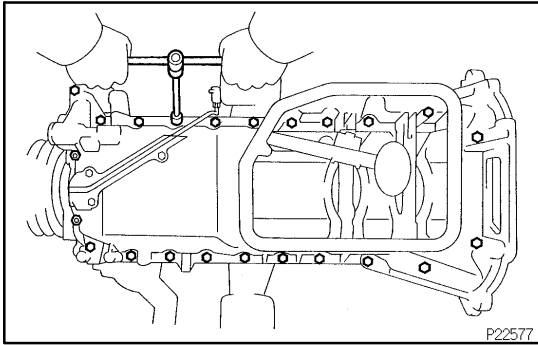
- (a) Remove the 17 bolts and 2 nuts.



- (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

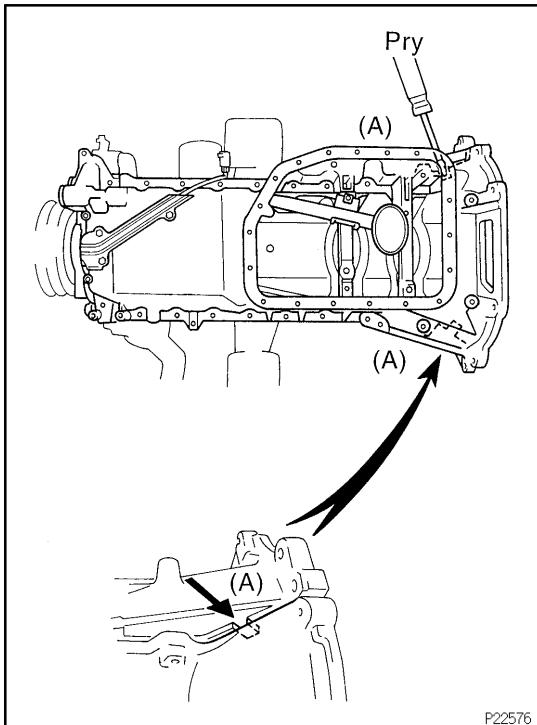
NOTICE:

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



13. REMOVE NO. 1 OIL PAN

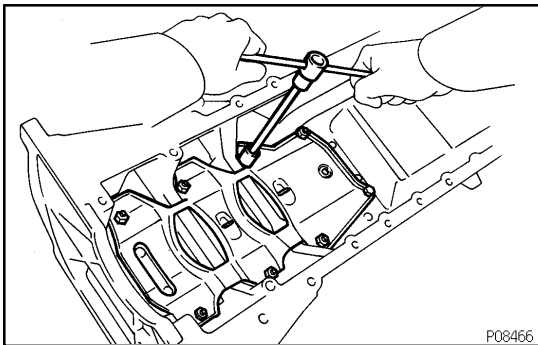
- (a) Remove the 21 bolts and 2 nuts.



- (b) Remove the No. 1 oil pan by prying the portions (A) between the cylinder block and No. 1 oil pan with a screwdriver.

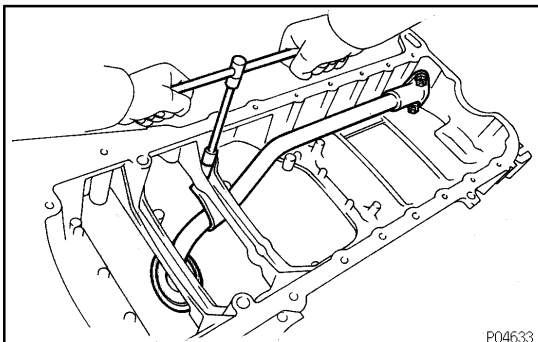
NOTICE:

Be careful not to damage the contact surfaces of the cylinder block and No. 1 oil pan.



14. REMOVE OIL PAN BAFFLE PLATE

Remove the bolt, 7 nuts and baffle plate.



15. REMOVE OIL STRAINER

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

16. REMOVE OIL PUMP (TIMING CHAIN COVER) (See page EM-12)

17. REMOVE TIMING CHAIN AND CAMSHAFT TIMING GEAR