

## TORQUE SPECIFICATION

| Part tightened                                                    |            | N·m      | kgf·cm   | ft·lbf     |
|-------------------------------------------------------------------|------------|----------|----------|------------|
| Fan shroud x Radiator assembly                                    |            | 5.5      | 50       | 43 in.·lbf |
| Radiator bracket x Radiator assembly                              |            | 20       | 200      | 15         |
| A/C Compressor x Cylinder block                                   |            | 49       | 500      | 36         |
| Generator x Generator bracket                                     |            | 39       | 400      | 29         |
| No.1 idler pulley, No.2 idler pulley x Cylinder Block             |            | 34.5     | 350      | 25         |
| Camshaft timing pulley x Camshaft timing tube                     |            | 108      | 1,100    | 80         |
| Drive belt tensioner x Cylinder block                             |            | 16       | 160      | 12         |
| Timing belt tensioner x Oil pump                                  |            | 26       | 270      | 19         |
| Crankshaft pulley x Crankshaft                                    |            | 245      | 2,500    | 181        |
| Fan bracket x Cylinder block                                      | 12 mm head | 16       | 160      | 12         |
|                                                                   | 14 mm head | 32       | 330      | 24         |
| No.2 timing belt cover x Cylinder block                           |            | 16       | 160      | 12         |
| No.3 timing belt cover x Cylinder block, cylinder head            |            | 7.5      | 80       | 66 in.·lbf |
| Drive belt idler pulley x Fan bracket                             |            | 37       | 380      | 27         |
| Fluid coupling x Fan bracket                                      |            | 21       | 215      | 16         |
| Exhaust manifold x Cylinder head                                  |            | 44       | 450      | 33         |
| Cylinder head x Cylinder block                                    | 1st        | 32       | 325      | 24         |
|                                                                   | 2nd        | Turn 90° | Turn 90° | Turn 90°   |
|                                                                   | 3rd        | Turn 90° | Turn 90° | Turn 90°   |
| Camshaft bearing cap x Cylinder head                              | Bolt C     | 7.5      | 80       | 66 in.·lbf |
|                                                                   | Others     | 16       | 160      | 12         |
| Cylinder head cover x Cylinder head                               |            | 6.0      | 60       | 53 in.·lbf |
| Engine hanger x Cylinder head                                     |            | 37       | 380      | 27         |
| Front water bypass joint, Rear water bypass joint x Cylinder head |            | 18       | 185      | 13         |
| Intake manifold x Cylinder head                                   |            | 18       | 185      | 13         |
| V-bank cover bracket x Intake manifold                            |            | 7.5      | 80       | 66 in.·lbf |
| Timing belt rear plate x Cylinder head                            |            | 7.5      | 80       | 66 in.·lbf |
| Drive plate x Crankshaft                                          | 1st        | 49       | 500      | 36         |
|                                                                   | 2nd        | Turn 90° | Turn 90° | Turn 90°   |
| Transmission x Cylinder block                                     |            | 72       | 730      | 53         |
| Transmission x No.1 oil pan                                       |            | 37       | 380      | 27         |
| Drive plate x Torque converter clutch                             |            | 48       | 490      | 35         |
| Flywheel housing under cover x Transmission                       |            | 18       | 185      | 13         |
| Frame crossmember x Body                                          |            | 50       | 510      | 37         |
| Frame crossmember x Rear engine mounting insulator                |            | 74       | 750      | 55         |
| Frame bracket x Engine mounting bracket                           |            | 30       | 310      | 22         |
| PS pump x Cylinder head                                           |            | 17       | 175      | 13         |
| A/C compressor x Cylinder block, Fan bracket                      |            | 49       | 500      | 36         |
| Main bearing cap x Cylinder block                                 | 1st        | 27       | 275      | 20         |
|                                                                   | 2nd        | Turn 90° | Turn 90° | Turn 90°   |
| Connecting rod cap x Connecting rod                               | 1st        | 24.5     | 250      | 18         |
|                                                                   | 2nd        | Turn 90° | Turn 90° | Turn 90°   |
| Rear oil seal retainer x Cylinder block                           |            | 8.0      | 80       | 71 in.·lbf |
| Engine coolant drain union x Cylinder block                       |            | 49       | 500      | 36         |
| Engine mounting bracket x Cylinder block                          |            | 36       | 370      | 27         |

2001 LEXUS LX470 (RM802U)

**SERVICE SPECIFICATIONS - ENGINE MECHANICAL**

|                                                                |    |     |    |
|----------------------------------------------------------------|----|-----|----|
| Water bypass pipe x Cylinder block                             | 18 | 185 | 13 |
| Front exhaust pipe x Exhaust manifold                          | 62 | 630 | 46 |
| No.2 front exhaust pipe x Front exhaust pipe                   | 40 | 408 | 30 |
| Center exhaust pipe x Front exhaust pipe                       | 40 | 408 | 30 |
| Heated oxygen sensor (Bank 1, 2 sensor 2) x Front exhaust pipe | 20 | 200 | 14 |