
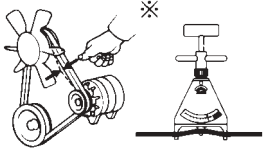


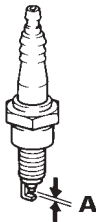
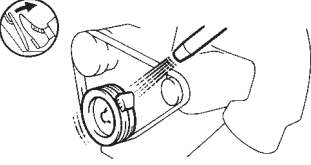
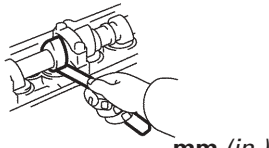


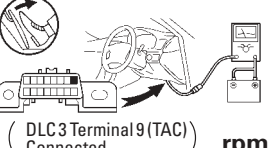


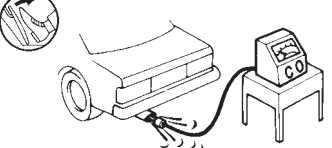
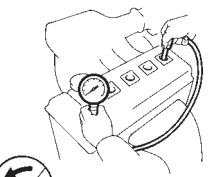


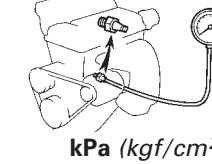


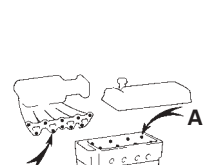


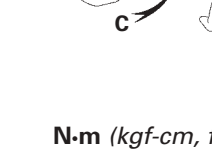

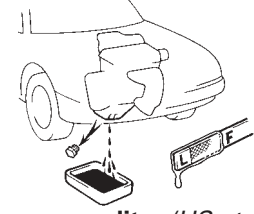


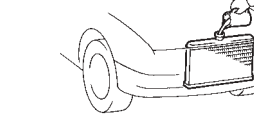


|    |   | 1AZ-FE   | 2AZ-FE                     | 1MZ-FE                                   |
|---|---|--|----------------------------|--|
| cm <sup>3</sup> or CC (cu. in.)   |   | 1998 (121.9)                                       | 2362 (144.1)               | 2995 (182.8)                             |
|    |    | —  | —                          | 11–13.5 (0.43–0.53)<br>※ 294–490 (30–50) |
|   |    | —  | —                          | 11–14 (0.43–0.55)<br>※ 323–519 (33–53)   |
| mm (in.)  | N (kgf)   |  |                            |  |
|    | DENSO   | SK20R11  |                            |  |
|   | NGK   | IFR6A11  |                            |  |
|   | A<br>mm (in.)   | 1.1 (0.043)  |                            |  |
|    |   | 8–12°<br>(DLC3 Terminals 13 (TC)–4 (CG) Connected) |                            |  |
|   |   | BTDC   |                            |  |
|   |   | 0.19–0.29<br>(0.007–0.011)                         | 0.15–0.25<br>(0.006–0.010) |  |
|   |  | 0.30–0.40<br>(0.012–0.016)                         | 0.25–0.35<br>(0.010–0.014) |  |
| mm (in.)  |   |  |                            |  |
|  |  | —  | 650–750                    | —  |
|   |  | 620–720  | 610–710                    | 550–650                                  |
| (DLC3 Terminal 9 (TAC) Connected)   |   |  |                            |  |
|  |   | 0–0.5  |                            |  |
|   |   | CO%  |                            |  |

|   |   |                             |                         |
|---|---|-----------------------------|-------------------------|
|  |  | 1300 (13.3, 189)            | 1470 (15.0, 213)        |
|   |  | 1000 (10.2, 145)            | 980 (10.0, 142)         |
|  |  | 100 (1.0, 15)               |                         |
|   |  | 29 (0.3, 4.3)               |                         |
|  |  | 245–539<br>(2.5–5.5, 36–78) |                         |
|   |  | 3,000 rpm                   |                         |
|  | A   | ① 79 (806, 58)<br>② 90°     | ① 54 (550, 40)<br>② 90° |
|   | B   | 30 (306, 12)                | 15 (153, 11)            |
|   | C   | 37 (378, 27)                | 49 (500, 36)            |
|   |   | N·m (kgf-cm, ft-lbf)        |                         |

|  |   | 1AZ-FE   | 2AZ-FE                           | 1MZ-FE         |
|---|---|--|----------------------------------|----------------|
|  |  | ※ Others   | 3.6 (3.8, 3.2)<br>4.1 (4.3, 3.6) | 4.5 (4.8, 4.0) |
|   |  | ※ Others   | 3.8 (4.0, 3.3)<br>4.3 (4.5, 3.8) | 4.7 (5.0, 4.1) |
| liter (US qts, Imp. qts)  |   | 20W-50 and 15W-40—<br>API grade SJ or SL multigrade engine oil<br>10W-30 and 5W-30—<br>API grade SJ "Energy-Conserving", SL "Energy-Conserving"<br>or ILSAC* multigrade engine oil |                                  |                |
|  |   | 6.2 (6.6, 5.5)   |                                  |                |
|   |   | liter (US qts, Imp. qts)   |                                  |                |
|   |   | 9.2 (9.7, 8.1)   |                                  |                |

# Camry

ACV30 – 0248478 ~ ACV31 – 0008195 ~  
MCV30 – 0152354 ~, 5042276 ~, 6022070 ~



|          |   |                                 |                              |
|----------|---|---------------------------------|------------------------------|
|          |   |                                 |                              |
|          | A | 159–169<br>(6.260–6.654)        | 172.9–182.9<br>(6.807–7.200) |
|          | B | 5–15 (0.20–0.59)                |                              |
|          | C | 25 (0.98)                       |                              |
| mm (in.) |   | SAE J1703 or FMVSS No. 116 DOT3 |                              |

|          |     |                                 |                              |
|----------|-----|---------------------------------|------------------------------|
|          |     |                                 |                              |
|          | A   | 144.1–154.1<br>(5.673–6.067)    | 147.7–157.7<br>(5.815–6.209) |
|          | B   | 1–6 (0.04–0.24)                 |                              |
|          | C※1 | 63 (2.5)                        | 70 (2.8)                     |
| mm (in.) |     | SAE J1703 or FMVSS No. 116 DOT3 |                              |


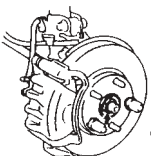
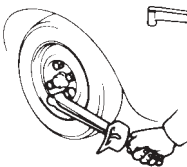
|  |                             |     |  |
|--|-----------------------------|-----|--|
|  | 196 N<br>(20 kgf, 44.1 lbf) | 6–9 |  |
|--|-----------------------------|-----|--|

|  |                           |     |  |
|--|---------------------------|-----|--|
|  | 300 N<br>(31 kgf, 67 lbf) | 3–6 |  |
|--|---------------------------|-----|--|

|          |   |                 |                |
|----------|---|-----------------|----------------|
|          | A | 1.0 (0.039)     |                |
|          | B | 26.0<br>(1.024) | 8.5<br>(0.335) |
| mm (in.) |   |                 |                |




|          |             |  |  |
|----------|-------------|--|--|
|          | 1.0 (0.039) |  |  |
| mm (in.) |             |  |  |



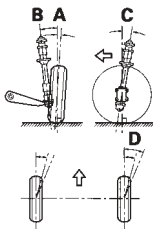
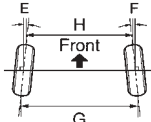
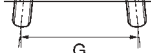
|          |               |  |  |
|----------|---------------|--|--|
|          | 171.0 (6.732) |  |  |
| mm (in.) |               |  |  |










|   |                 |
|---|-----------------|
|                                    | ACV, MCV        |
| <br><b>N•m</b><br>(kgf-cm, ft-lbf) | 294 (3000, 217) |
| <br><b>N•m</b><br>(kgf-cm, ft-lbf) | 103 (1050, 77)  |

|                             |     |                             |  |
|-----------------------------|-----|-----------------------------|--|
|                             |     | ACV, MCV                    |  |
|                             | ACV | 2.5 (2.6, 2.2)              |  |
|                             | MCV | —                           |  |
|                             |     | API GL-4 or GL-5 SAE 75W-90 |  |
| liter<br>(US qts, Imp. qts) |     |                             |  |

|                          |  |                              |  |
|--------------------------|--|------------------------------|--|
|                          |  | 3.5 (3.7, 3.1)               |  |
|                          |  | Toyota Genuine ATF TYPE T-IV |  |
| liter (US qts, Imp. qts) |  |                              |  |

|   |   |  |
|---|---|--|
|  | ACV, MCV  |  |
|  |  30 (1.18) |  |
| mm (in.)  |   |  |

|   |               |   |   |   |
|---|---------------|---|---|---|
|    |               |  |   |   |
|    | A             | HI UP   | $-0^{\circ}29'\pm45'$ ( $-0.48^{\circ}\pm0.75^{\circ}$ )    | $-1^{\circ}00'\pm45'$ ( $-1.00^{\circ}\pm0.75^{\circ}$ )    |
|   |               | Except HI UP  | $-0^{\circ}40'\pm45'$ ( $-0.67^{\circ}\pm0.75^{\circ}$ )    | $-1^{\circ}13'\pm45'$ ( $-1.22^{\circ}\pm0.75^{\circ}$ )    |
|   | B             | HI UP   | $10^{\circ}57'$ ( $10.95^{\circ}$ )                         | _____   |
|   |               | Except HI UP  | $11^{\circ}20'$ ( $11.33^{\circ}$ )                         | _____   |
|   | C             | ACV 15 inch   | $2^{\circ}34'\pm45'$ ( $2.57^{\circ}\pm0.75^{\circ}$ )      | _____   |
|   |               | ACV 16 inch   | $2^{\circ}32'\pm45'$ ( $2.53^{\circ}\pm0.75^{\circ}$ )      | _____   |
|   |               | MCV   | $2^{\circ}30'\pm45'$ ( $2.5^{\circ}\pm0.75^{\circ}$ )       | _____   |
|   |               | HI UP 15 inch   | $2^{\circ}27'\pm45'$ ( $2.45^{\circ}\pm0.75^{\circ}$ )      | _____   |
|   |               | HI UP 16 inch   | $2^{\circ}25'\pm45'$ ( $2.41^{\circ}\pm0.75^{\circ}$ )      | _____   |
|   |               | D   | ACV 15 inch   | $39^{\circ}13'\pm2^{\circ}$ ( $39.22^{\circ}\pm2^{\circ}$ ) |
|   | ACV 16 inch   |   | $36^{\circ}46'\pm2^{\circ}$ ( $36.77^{\circ}\pm2^{\circ}$ ) | _____   |
|   | MCV           |   | $36^{\circ}53'\pm2^{\circ}$ ( $36.88^{\circ}\pm2^{\circ}$ ) | _____   |
|   | HI UP 15 inch |   | $39^{\circ}38'\pm2^{\circ}$ ( $39.63^{\circ}\pm2^{\circ}$ ) | _____   |
|   | HI UP 16 inch |   | $37^{\circ}07'\pm2^{\circ}$ ( $37.12^{\circ}\pm2^{\circ}$ ) | _____   |
|   |               |   | E+F   | $0^{\circ}\pm12'$<br>( $0^{\circ}\pm0.2^{\circ}$ )          |
|  |               | G-H<br>mm (in.)   | $0\pm2$<br>( $0\pm0.08$ )                                   | $4\pm2$<br>( $0.16\pm0.08$ )                                |

|   |                                       |  |  |   |  |  |
|---|---------------------------------------|--|--|---|--|--|
|  |                                       |             |  |  |  |  |
|   | 160 km / h=100 mph 210 km / h=130 mph |  |  |   |  |  |
|  | 205/65R15 94H                         | 200 (2.0, 28)  |  |   |  |  |
|   | 215/60R16 95H                         | 210 (2.1, 30)  |  |   |  |  |
|   |                                       | ※2   | 200 (2.0, 28)                                |   |  |  |
|   | 205/65R15 94V                         |  210 km / h | 280 (2.8, 41)                                | 260 (2.6, 38)   |  |  |
|   |                                       |  210 km / h | 260 (2.6, 38)                                | 230 (2.3, 33)   |  |  |
|   |                                       | ※2   | 200 (2.0, 28)                                |   |  |  |
|   | 215/60R16 95V                         |  210 km / h | 290 (2.9, 42)                                | 2AZ-FE 260 (2.6, 38)<br>1MZ-FE 280 (2.8, 41)  |  |  |
|   |                                       |  210 km / h | 260 (2.6, 38)                                | 2AZ-FE 230 (2.3, 33)<br>1MZ-FE 250 (2.5, 36)  |  |  |
|   |                                       |  160 km / h | 2AZ-FE 210 (2.1, 30)<br>1MZ-FE 230 (2.3, 33) |   | 2AZ-FE 210 (2.1, 30)<br>1MZ-FE 230 (2.3, 33) |  |
|   |                                       | ※2   | 200 (2.0, 28)                                |   |  |  |
| kPa (kgf/cm <sup>2</sup><br>or bar, psi)  |                                       |  |  |   |  |  |