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### A. MEASUREMENTS

|                | Item    |         | Specification   |
|----------------|---------|---------|---|
| Overall length |         | mm (in) | 4,315 (169.9) 4,310 (169.7) (With license plate holder) |
| Overall width  |         | mm (in) | 1,690 (66.5)  |
| Overall height |         | mm (in) | 1,265 (49.8)  |
| Wheelbase      |         | mm (in) | 2,430 (95.7)  |
| Tread          | mm (in) | Front   | 1,450 (57.1)  |
| Tread          |         | Rear    | 1,440 (56.7)  |

### C. ENGINE

| Item                        |             |  | Engl      | ne model   | RE 13B (TURBO)              | RE 13B (NON-TURBO)          |  |
|-----------------------------|-------------|--|-----------|------------|-----------------------------|-----------------------------|--|
| Туре                        | •           |  |           |            | Rotary engine               |                             |  |
| Displaceme                  | ent         |  |           | cc (cu in) | 654x2 (40.0x2)              |                             |  |
| Number of                   | rotors and  | arrangement                                  |           |            | 2 rotors, longitudinal      |                             |  |
| Combustion chamber type     |             |  |           | athtub     |                             |                             |  |
| Compression                 |             | <i>"</i>                                     |           |            | 9.0:1                       | 9.7:1                       |  |
| - '                         |             |  | Primar    |            | 45° ATDC                    | 32° ATDC                    |  |
|                             |             | Open   | Second    |            | <u> </u>                    | ATDC SZ ATDC                |  |
|                             |             | C POIN                                       | Auxilia   |            | 32                          | 45° ATDC                    |  |
| Port                        | Intake      |  | Primar    |            | 50° ABDC                    |                             |  |
| timing                      |             | Close  | Second    | £ .        | 50° ABDC                    | 40 ABDC                     |  |
|                             |             | Ciose  | Auxilia   |            | 50° ABDC                    | 30° ABDC                    |  |
| }                           |             | Open   | Auxiliai  | у          |                             | 80° ABDC                    |  |
|                             | Exhaust     | Close  |           |            |                             | BBDC                        |  |
|                             |             |  |           |            |                             | ATDC                        |  |
| Compression kPa (kg/cm²     | on pressure | Minimum                                      |           |            |                             | 0, 85)-250                  |  |
| Kra (kg/cm                  | -, psi)-rpm | Maximum difference                           | between c |            | 147 (1.5, 21)-250           |                             |  |
|                             |             | Distortion limit mm (in)                     |           |            | 0.04 (0.0016)               |                             |  |
| <b>.</b>                    |             | Side seal wear limi                          |           | mm (in)    | 0.10                        | (0.0039)                    |  |
| Side housing                |             | Side seal wear limit, overlapping            |           |            | 0.01                        | (0.0004)                    |  |
| (Front, inter<br>and rear h |             | oil seal wear                                |           | mm (in)    | 0.01                        | (0:0004)                    |  |
| and real n                  | iousing)    | Side seal wear limi                          | -,        |            | 0.10 (0.0039)               |                             |  |
|                             |             | outside oil seal wear mm (in)                |           |            |                             |                             |  |
|                             |             | Oil seal wear limit mm (in)                  |           |            | 0.02                        | (0.0008)                    |  |
| Rotor housi                 | ing         | Width  |           | mm (in)    |                             | (3.1484—3.1500)             |  |
|                             |             | Maximum width dif                            | ference   | mm (in)    |                             | (0.0024)                    |  |
|                             |             | Width (Apex)                                 |           | mm (in)    |                             | (3.1417—3.1437)             |  |
|                             |             | Clearance of side h                          |           | Standard   | 0.120.21 (0                 | 0.0047—0.0083)              |  |
| Rotor                       |             |  | mm (in)   | Min.       |                             | (0.0039)                    |  |
|                             |             | Diameter of corner se                        |           | mm (in)    | 11.000—11.018               | (0.4331-0.04338)            |  |
|                             |             | Width of side seal                           |           | mm (in)    | 0.714—0.739                 | (0.02810.0291)              |  |
|                             |             | Width of apex seal                           | groove    | mm (in)    | 1.995—2.012 (0.0785—0.0792) |                             |  |
|                             |             | Width  |           | mm (in)    |                             | (0.0752-0.0763)             |  |
|                             |             | Height (upper and                            | lower)    | Standard   | 8.0 (                       | (0.315)                     |  |
|                             |             |  | mm (in)   | Min.       |                             | GINE INSPECTION section     |  |
|                             |             | Clearance of apex                            | seal      | Standard   |                             | 0.052-0.092 (0.0020-0.0036) |  |
| Apex seal a                 | and spring  | and rotor groove                             |           | Max.       |                             | (0.0059)                    |  |
|                             |             |  |           | Standard   |                             | (0.246)                     |  |
|                             |             | Spring free height                           | Long      | Min.       |                             | (0.181)                     |  |
|                             |             | mm (in)                                      |           | Standard   |                             | (0.130)                     |  |
|                             |             | ()   | Short     | Min.       |                             | GINE INSPECTION section     |  |
| ·                           |             | <u>.                                    </u> | L         | 1          |                             | CHAL HASE LOTTON SECTION    |  |

|                        | Engin                      | e model  | RE 13B (TURBO)                | RE 13B (NON-TURBO) |  |
|------------------------|----------------------------|----------|-------------------------------|--------------------|--|
| Item                   | Thickness                  | mm (in)  | 0.661-0.686 (                 | 0.0260—0.0270)     |  |
|                        | Clearance of side seal to  | Standard |                               | 0.00110.0031)      |  |
|                        | rotor groove mm (in)       | Max.     | <u>`</u>                      | 0.0039)            |  |
| O'de seed and apring   | Height                     | mm (in)  | 2.85—3.15 (0.                 | 1122—0.1240)       |  |
| Side seal and spring   | Protrusion min.            | mm (in)  |                               | (0.020)            |  |
|                        | Clearance of side seal to  | Standard | 0.05-0.15 (0.                 | .0020—0.0059)      |  |
|                        | corner seal mm (in)        | Max.     |                               | (0.016)            |  |
|                        | Outer diameter             | mm (in)  | 10.990—11.014                 | (0.4327—0.4336)    |  |
| Corner seal and        | Height                     | mm (in)  | 6.8—7.0 (0.                   | .268—0.276)        |  |
| spring                 | Protrusion min.            | mm (in)  | 0.50                          | (0.020)            |  |
|                        | Height                     | mm (in)  | 5.6-5.8 (0.220-0.228)         |                    |  |
| Rotor oil seal and     | Oil seal lip width max.    | mm (in)  | 0.50 (0.020)                  |                    |  |
| spring                 | Protrusion min.            | mm (in)  | 0.50 (0.020)                  |                    |  |
| Main bearing           | Inner diameter             | mm (in)  | 43.025—43.050 (1.6939—1.6949) |                    |  |
| Rotor bearing          | Inner diameter             | mm (in)  | 74.025—74.050 (2.9144—2.9153) |                    |  |
| Tiolor bearing         | Runout max.                | mm (in)  | 0.12 (0.0047)                 |                    |  |
|                        |                            | Standard | 0.0400.070 (0.00160.0028)     |                    |  |
|                        | End play mm (in)           | Limit    | 0.09 (0.0035)                 |                    |  |
|                        | Main journal diameter      | mm (in)  | 42.970—42.985                 | (1.6917—1.6923)    |  |
| Eccentric shaft        | Clearance of main journal  | Standard | 0.040—0.080 (0.0016—0.0031)   |                    |  |
| E000Hillio Gridin      | mm (in)                    | Limit    | 0.10 (0.0039)                 |                    |  |
|                        | Rotor journal diameter     | mm (in)  |                               | (2.9122—2.9128)    |  |
|                        | Clearance of rotor journal | Standard |                               | (0.0016—0.0031)    |  |
|                        | mm (in)                    | Limit    | 0.10 (0.0039)                 |                    |  |
|                        | Alternator                 | Used     | 14—17 (0.55—0.67)             |                    |  |
| Drive belt deflection  | Air pump                   | Used     |                               | 0.43—0.51)         |  |
| at 98 N (10 kg, 22 lb) | A/C compressor             | Used     |                               | .31—0.35)          |  |
| mm (in)                | P/S pump                   | Used     | 14.0—16.0                     | (0.55—0.63)        |  |

### D. LUBRICATING SYSTEM

| Manuary                 | Engin                         | e model    | RE 13B (TURBO)                   | RE 13B (NON-TURBO) |  |
|-------------------------|-------------------------------|------------|----------------------------------|--------------------|--|
| Lubrication system      |                               |            | Ford                             | ed-fed             |  |
| Lubrication system      | Туре                          |            | Tro                              | ochoid             |  |
|                         | Lobe clearance of outer       | Standard   | 0.03-0.12 (0                     | ).0012—0.0047)     |  |
|                         | rotor to inner rotor, mm (in) | Max.       | 0.15                             | (0.0059)           |  |
| Oil pump                | Clearance of outer rotor to   | Standard   | 0.20—0.25 (0.0079—0.098)         |                    |  |
| Oil pulitip             | pump body mm (in)             | Max.       | 0.30 (0.0118)                    |                    |  |
|                         | End float mm (in)             | Standard   | Standard 0.03—0.13 (0.0012—0.005 |                    |  |
|                         |                               | Max.       | 0.15 (0.0059)                    |                    |  |
| Pressure control valve  | Relief pressure kPa (kg.      | /cm², psi) | 1,079 (11.0, 156)                |                    |  |
| 1 1030010 CONTROL VALVE | Type                          |            | Air-cooled, w                    | ith bypass_valve   |  |
|                         | Relief temperature            | °C (°F)    | 60-65 (140-149) or below         |                    |  |
| Oil cooler              | Relief pressure dif. kPa (kg  |            | 349 (3.56, 50) at 60°C (140°F)   |                    |  |
| •                       | Bypass valve protrusion       | mm (in)    | 5 (0.2) or more                  |                    |  |

| Item            |                                    | Engine model       | RE 13B (TURBO)  | RE 13B (NON-TURBO) |  |
|-----------------|------------------------------------|--------------------|---|--------------------|--|
| Regulator valve | Relief pressure                    | kPa (kg/cm², psi)  | 490 (   | (5.0, 71)          |  |
| Oil filter      | Туре                               |                    |   | paper element      |  |
|                 | Relief pressure dif.               | kPa (kg/cm², psi)  |   | 1.0, 14)           |  |
| Eccentric shaft | Relief temperature                 | °C (°F)            |   | ) or below         |  |
| bypass valve    | Protrusion                         | mm (in)            | 6 (0.24) or more  |                    |  |
|                 |                                    | Total (dry engine) | 5.8 (6.1, 5.1)  |                    |  |
|                 | Capacity<br>liters (US qt, Imp qt) | Oil pan            |   | 1.7, 3.9)          |  |
|                 |                                    | Oil cooler         | 0.85 (0.90, 0.75)   |                    |  |
| Engine oil      |                                    | Oil filter         | 0.19 (0.20, 0.17)Factory installed 0.17 (0.18, 0.15)Service parts |                    |  |
| Linginie Oil    | Classification                     |                    | API service "Fuel efficient" SF (Mineral only)                    |                    |  |
|                 | -10°C (15°F) or ov                 |                    | 20W-40, 20W-50  |                    |  |
|                 | -25-30°C (-10-85                   |                    | 10W-30  |                    |  |
|                 | -25°C (-10°F) or (                 |                    |   | , 10W-50           |  |
|                 | 0°C (32°F) or below                | N                  | 5W-30   |                    |  |

### E. COOLING SYSTEM

| Item                        | En En                 | gine model    | RE 13B (TUR                      | BO) R           | E 13B (NON-TURBO)               |
|-----------------------------|-----------------------|---------------|----------------------------------|-----------------|---------------------------------|
| Cooling method              |                       |               | Water-cooled, forced circulation |                 |                                 |
| Water pump Type             |                       |               | - Trato                          | Centrifugal imp |                                 |
| water pump                  | Pulley ratio (Speed)  |               |                                  | 1:1.22          | )Cilci                          |
|                             | Туре                  | - <del></del> |                                  | Wax, bottom by  | /nacc                           |
| Thermostat                  | Opening temperature   | °C (°F)       |                                  | 30.5—83.5 (177- |                                 |
| memostat                    | Full-open temperature | °C (°F)       |                                  | 95 (203)        |                                 |
|                             | Full-open lift min.   | mm (in)       |                                  | 8—10 (0.31—0    | 1 30)                           |
| Radiator                    | Туре                  |               |                                  | Corrugated f    |                                 |
| Coolant filler cap          | Relief pressure kPa ( | kg/cm², psi)  | 74—                              | 103 (0.75—1.05  |                                 |
|                             | Cooling fan           |               | Thermo-modulated                 |                 |                                 |
| Cooling fan                 | Number of blades      | <del></del>   | 10                               |                 |                                 |
|                             | Outer diameter        | 390 (15.35)   |                                  |                 |                                 |
|                             | Туре                  | Electrical    |                                  |                 |                                 |
| Electric cooling fan        | Capacity              | 90            |                                  |                 |                                 |
| Electric cooling fair       | Number of blades      | "- "-         | 5                                |                 |                                 |
|                             | Outer diameter        | mm (in)       | 255 (10.04)                      |                 |                                 |
| Drive belt deflection at    | Alternator            | Used          | 1417 (0.55-0.67)                 |                 |                                 |
| 98 N (10 kg, 22 lb) mm (in) | Air pump              | Used          |                                  | 11—13 (0.43—0   |                                 |
| Coolant                     | Capacity liters (US   | qt, Imp qt)   | 8.7 (9.2, 7.7                    |                 | 7.3 (7.7, 6.4)                  |
|                             | ,                     | Mixture       | Mixture per                      |                 |                                 |
|                             | Protection            |               | Water                            | Antifreeze      | Specific gravity at 20°C (68°F) |
| Antifreeze solution         | Above -16°C (3°F)     |               | 65                               | 35              | 1.054                           |
|                             | Above -26°C (-15°F)   |               | 55                               | 45              | 1.054                           |
|                             | Above -40°C (-40°)    | <del>  </del> | 45                               | 55              | 1.066                           |

### F1. FUEL AND EMISSION CONTROL SYSTEMS (EGI)

| Item                  |                    |   |          | Specification                         |  |  |  |
|-----------------------|--------------------|---|----------|---------------------------------------|--|--|--|
| Fuel tank capacity    | lit                | ers (US gal, Imp ga                     | al)      | 70 (18.5, 15.4)                       |  |  |  |
|                       |                    | Low pressure                            |          | Nylon 6 (164 and 45 mesh)             |  |  |  |
| Fuel filter           | Туре               | High pressure                           |          | Filter paper                          |  |  |  |
|                       | Туре               |   | T        | Impeller (intank)                     |  |  |  |
| Fuel pump             | Output pressure    | kPa (kg/cm², ps                         | si)      | 441—588 (4.5—6.0, 64.0—85.3)          |  |  |  |
|                       | Туре               |   |          | Diaphragm                             |  |  |  |
| Pressure regulator    | Regulated pressure | e kPa (kg/cm², ps                       | si)      | 235—275 (2.4—2.8, 34.1—39.8)          |  |  |  |
| · <del></del>         | Type               |   |          | Horizontal-draft (2 stages, 3 barrel) |  |  |  |
|                       |                    | Primary mm (ir                          | n)       | 45 (1.772)                            |  |  |  |
| Throttle body         | Throat diameter    | Secondary mm (ir                        |          | 45 (1.772)x2                          |  |  |  |
|                       | Water thermo valve |   |          | M/T; 67-77 (153-171) or more          |  |  |  |
|                       |                    | °C (°f                                  | F)       | A/T; 60—70 (140—158) or more          |  |  |  |
| Air cleaner           | Element type       |   |          | Long life wet                         |  |  |  |
| Accelerator cable     | Deflection         | mm (ir                                  | n)       | 1—3 (0.04—0.12)                       |  |  |  |
| Idle speed (Test co   |                    | rpr                                     |          | 750 ± 25 (A/T; in P range)            |  |  |  |
| Dashpot               | Adjustment speed   | rpr                                     | -        | 2,700—3,100                           |  |  |  |
| Injector              | Drive              | <u>.</u>                                |          | Voltage drive                         |  |  |  |
| (Primary and          | Injection volume   | cc (cu in)/15 sed                       | c.       | 111—118 (6.8—7.2)                     |  |  |  |
| secondary)            | Resistance         |   | Ω        | 12—16                                 |  |  |  |
|                       | Resistance         | E2 ↔ Vs                                 | Ω        | 200-400 (Closed ↔ Open; 20°C (68°F))  |  |  |  |
| Airflow meter         |                    |   |          | 200-1,000 (Closed; 20°C (68°F))       |  |  |  |
| , motor               |                    | E2 ↔ Vc                                 | $\Omega$ | 20-800 (Open; 20°C (68°F))            |  |  |  |
|                       | Resistance         | -20°C (-4°F) k                          | Ω        | 16.2 ± 1.6                            |  |  |  |
| Water thermo-         |                    |   | Ω        | $2.5 \pm 0.2$                         |  |  |  |
| sensor                |                    | , | Ω        | $0.3 \pm 0.1$                         |  |  |  |
| Heat hazard sensor    | Operation tempera  | <del></del>                             |          | 105—115 (221—239)                     |  |  |  |
| Tigat Tiazara Gorioa. |                    |   | Ω        | 10,000—20,000                         |  |  |  |
|                       |                    |   | Ω        | 4,000—7,000                           |  |  |  |
|                       | Airflow meter      | <u> </u>                                | Ω        | 2,000—3,000                           |  |  |  |
| Intake air            |                    |   | Ω        | 900—1,300                             |  |  |  |
| thermosensor          |                    | ` '                                     | Ω        | 400—700                               |  |  |  |
|                       | Dynamic            | <del></del>                             | Ω        | 33 ± 4                                |  |  |  |
|                       | chamber            | * | Ω        | $3.5 \pm 0.4$                         |  |  |  |
|                       |                    | · · · · · · · · · · · · · · · · · · ·   |          | Idle position; 0.6—0.9                |  |  |  |
| Throttle sensor       | Resistance         |   | Ω        | Full open; 3.4—5.1                    |  |  |  |
| (Full range)          |                    | _®® k                                   | Ω        | 4.0—6.0                               |  |  |  |
| <b>T</b> 11           |                    | · ·                                     | Ω        | Idle position; 0.8—1.2                |  |  |  |
| Throttle sensor       | Resistance         | (A)−(B) k                               | ,,,,     | Full open; 4.0—6.0                    |  |  |  |
| (Narrow range)        |                    | ®−© k                                   | Ω        | 4.0—6.0                               |  |  |  |
| Solenoid valve (BAC)  | Resistance         |   | Ω        | 10.7—12.3                             |  |  |  |
| Solenoid valve (AWS)  | Resistance         |   | Ω        | 9.3—11.3                              |  |  |  |
| Circuit opening       | Resistance         |   | Ω        | 21—43                                 |  |  |  |
| relay                 | 1 ICSISIANCE       | B ↔ Fc                                  | Ω        | 109—226                               |  |  |  |
| Sub-zero starting a   | ssist fluid        |   |          | Anti-freeze 90% water 10%             |  |  |  |

### F2. FUEL AND EMISSION CONTROL SYSTEMS (EGI TURBO)

|                              | Item                                 |   | Specification                          |
|------------------------------|--------------------------------------|---|--|
| Fuel tank capacity           | <br> i                               | ters (US gal, Imp gal)                  | 70 (18.5, 15.4)                        |
| r dor tariit dapadity        | · ''                                 | Low pressure                            | Nylon 6 (164 and 45 mesh)              |
| Fuel filter                  | Туре                                 | High pressure                           | Filter paper                           |
|                              | Туре                                 | Trigit pressure                         | Impeller (intank)                      |
| Fuel pump                    | Output pressure                      | kPa (kg/cm², psi)                       | 490—637 (5.0—6.5, 71.1—92.4)           |
|                              | Type                                 | Ki a (kg/ciii , psi)                    | · · · · · · · · · · · · · · · · · · ·  |
| Pressure regulator           | Regulated pressur                    | re kPa (kg/cm², psi)                    | Diaphragm 235—275 (2.4—2.8, 34.1—39.8) |
|                              | Type                                 | e Kra (kyteiii , psi)                   |  |
|                              | Туре                                 | Primary mm (in)                         | Horizontal-draft (2 stage, 3 barrel)   |
| Throttle body                | Throat diameter                      | Secondary mm (in)                       | 45 (1.772)                             |
| monic body                   | Woter therms valu                    | <u> </u>                                | 45 (1.772)x2                           |
|                              | Water thermo valv                    | °C (°F)                                 | 55—65 (131—149) or more                |
| Air cleaner                  | Element type                         |   | Long life wet                          |
| Accelerator cable            | Deflection                           | mm (in)                                 | 1—3 (0.04—0.12)                        |
| Idle speed (Test co          | nnector grounded)                    | rpm                                     | 750 ± 25                               |
| Dashpot                      | Adjustment (Thrott range) resistance |   | 1.8—3.8                                |
| Injector                     | Drive                                | <u> </u>                                | Voltage drive                          |
| (Primary and                 | Injection volume                     | cc (cu in)/15 sec.                      | 133—142 (8.1—8.7)                      |
| secondary)                   | Resistance                           | Ω                                       | 12—16                                  |
|                              | Resistance                           | E2 ↔ Vs Ω                               | 200—400 (Closed ↔ Open; 20°C (68°F))   |
| Airflow meter                |                                      | <del></del>                             | 200—1,000 (Closed; 20°C (68°F))        |
|                              |                                      | E2 ↔ Vc Ω                               | 20-800 (Open; 20°C (68°F))             |
|                              | Resistance                           | -20°C (-4°F) kΩ                         | 16.2 ± 1.6                             |
| Water thermo-                |                                      | 20°C (68°F) kΩ                          | $2.5 \pm 0.2$                          |
| sensor                       | Trodictarioe                         | 80°C (176°F) kΩ                         | $0.3 \pm 0.1$                          |
| Heat hazard sensor           | Operation tempera                    | • | 105—115 (221—239)                      |
| 1100111001                   | o porazion tompore                   | -20°C (-4°F) Ω                          | 10,000—20,000                          |
| !                            | Airflow meter                        | 0°C (32°F) Ω                            | 4,000—7,000                            |
|                              |                                      | 20°C (68°F) Ω                           | 2,000—3,000                            |
| Intake air                   |                                      | 40°C (104°F) Ω                          | 900—1,300                              |
| thermosensor                 |                                      | 60°C (140°F) Ω                          | 400700                                 |
|                              | Engine                               | 20°C (68°F) kΩ                          | 33 ± 4                                 |
|                              | (Intake air pipe)                    | 85°C (185°F) kΩ                         | $3.5 \pm 0.4$                          |
|                              | (··········                          |   | Idle position; 0.6—0.9                 |
| Throttle sensor (Full range) | Resistance                           | ⑤−€ kΩ                                  | Full open; 3.4—5.1                     |
| (Full range)                 |                                      | ①—⑤ kΩ                                  | 4.06.0                                 |
| Throttle sensor              |                                      | A-B kΩ                                  | Idle position; 0.8—1.2                 |
| (Narrow range)               | Resistance                           |   | Full open; 4.0—6.0                     |
|                              |                                      |   | 4.0—6.0                                |
| Solenoid valve<br>(BAC)      | Resistance                           | Ω                                       | 10.7—12.3                              |
| Solenoid valve<br>(AWS)      | Resistance                           | Ω                                       | 9.3—11.3                               |
| Solenoid valve<br>(ASV)      | Resistance                           | Ω                                       | 16.5—23.5                              |
| Circuit opening              | Dooletanaa                           | STA ↔ E1 Ω                              | 21—43                                  |
| relay                        | Resistance                           | B ↔ Fc Ω                                | 109—226                                |
| roidy                        | Туре                                 | ·                                       | Water cooled                           |
| ì                            |                                      |   |  |
| Turbocharger                 | Lubrication                          |   | Engine oil                             |

|                   | Item                                   | Specification Incorporated with turbocharger |            |           |
|-------------------|--|--|------------|-----------|
| Waste gate valv   | e                                      |  |            |           |
| Intercooler Type  |  |  | Air cooled |           |
|                   | ystem knocking frequ                   | $3.5 \pm 0.3$                                |            |           |
| ,                 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | a—b  | Ω          | 0         |
| Fuel pump         | Resistance                             | c—d  | Ω          | 60—92     |
| resistor relay    |  | e—f  | Ω          | 0.74—0.94 |
| Sub-zero starting | assist fluid                           | Anti-freeze 90% water 10%                    |            |           |

### G. ENGINE ELECTRICAL SYSTEM .

|                  |                              |                | Mod                 | lel      | M/T (EGI)   | A/T (EGI)              | M/T (EGI TURBO)        |  |  |
|------------------|------------------------------|----------------|---------------------|----------|---|------------------------|------------------------|--|--|
| Item             |                              |                |                     |          |   |                        | <u> </u>               |  |  |
| Charging system  |                              |                |                     |          | Maintenance free, 55D23L, 65D23L (65D23L: Coldproof area) |                        |                        |  |  |
|                  | Type                         |                |                     | V        | Maintenance free, SSD2SE, 6SD2SE, 6SD2SE. Coldproof area/ |                        |                        |  |  |
|                  | Voltage                      |                |                     | <u>v</u> | · · · · · · · · · · · · · · · · · · ·                     | 55 (65D23L)            |                        |  |  |
| Battery          | Capacit                      | у              |                     | ٩h       |   | 60 (55D23L)            | <u> </u>               |  |  |
| -                | Specific                     | gravity at     | Recharge            | at       |   | 1.230                  |                        |  |  |
|                  | 20°C (6                      | 88°F)          | Fully charged       |          |   | 1.280                  |                        |  |  |
|                  | Chargin                      | g current      |                     | Α        | 55D23L  | : Max. 6 65D23L; N     | Max. 5.5               |  |  |
|                  | Туре                         |                |                     |          |   | A/C type               |                        |  |  |
|                  | Voltage                      | -capacity      |                     | '-A      |   | 12-80                  |                        |  |  |
|                  | Pulley r                     | atio           |                     |          |   | 1:2.03                 |                        |  |  |
| F                |                              |                | Current             | Α        |   | Min. 60                |                        |  |  |
|                  | Load te                      | est            | Speed rp            | m        |   | 2,500                  |                        |  |  |
| Alternator       | Regulat                      | ed voltage     |                     | ٧        |   | 14.1—14.7              |                        |  |  |
|                  |                              | Number         |                     |          |   | 2                      | <u></u>                |  |  |
|                  |                              | Length         | Standard            |          | 16.5 (0.650)  |                        |                        |  |  |
|                  |                              | mm (in)        | Limit               |          | 8 (0.315)   |                        |                        |  |  |
|                  |                              | Spring for     | e N (kg,            | lb)      | 2.9—4.3 (0.3—0.44, 0.66—0.97)                             |                        |                        |  |  |
| Starter system   | <del></del>                  |                |                     |          | ·   |                        |                        |  |  |
|                  | Output                       |                | ŀ                   | ίW       | 1.2   | 2.0                    | 1.2                    |  |  |
|                  | · · · · ·                    |                | Voltage             | ٧        |   | 11.0                   |                        |  |  |
|                  | Free ru                      | nning test     | Current             | Α        | Max. 90   |                        |                        |  |  |
|                  | •                            |                | Speed rp            | om       |   | Min. 3,000             |                        |  |  |
|                  |                              |                | Voltage             | ٧        |   | 4                      |                        |  |  |
|                  | Lock te                      | st             | Current             | Α        | Min. 780  | Min. 980               | Min. 780               |  |  |
|                  |                              |                | Torque N·m (m·kg, f | t-lb)    | Min. 17.6 (1.79, 13.0)                                    | Min. 22.5 (2.29, 16.6) | Min. 17.6 (1.79, 13.0) |  |  |
| Starter          |                              | Number         |                     |          | 4   |                        |                        |  |  |
|                  | D                            | Length         | Standard            |          | 17.5 (0.689)  |                        |                        |  |  |
|                  | Brush                        | mm (in)        | Limit               |          | 10.0 (0.394)  |                        |                        |  |  |
| i                |                              | Spring for     | ce N (kg,           | lb)      | 14—23 (1.4—2.4, 3.1—5.2)                                  |                        |                        |  |  |
|                  | Mica de                      | epth           | Standard            |          |   | 0.5—0.8 (0.02—0.03     | <u> </u>               |  |  |
|                  |                              | mm (in)        | Limit               |          |   | 0.2 (0.008)            |                        |  |  |
|                  | Pinion ga                    | ap (magnetic c | lutch engaged) mm   | (in)     | 0.5—2.0 (0.02—0.08)                                       |                        |                        |  |  |
|                  | Operation of magnetic switch |                |                     |          |   | Max. 8V                |                        |  |  |
| Electronic spark |                              |                |                     |          |   |                        |                        |  |  |
| Crank angle      | Desista                      |                | G①-G②               | Ω        |   | 110—210                |                        |  |  |
| sensor           | Resista                      | nce            | Ne①—Ne②             | Ω        |   | 110—210                |                        |  |  |

| Item                 |                    |                 | Model   | M/T (EGI)                          | A/T (EGI)            | M/T (EGI TURBO)                       |  |
|----------------------|--------------------|-----------------|---------|------------------------------------|----------------------|---------------------------------------|--|
| Ignition system      |                    |                 |         |                                    | -l                   | · · · · · · · · · · · · · · · · · · · |  |
| Ignition timing      | Leading            |                 | ATDC    | 5° ±                               | 1° (Test connector g | grounded)                             |  |
| ignition timing      | Trailing ATI       |                 | ATDC    | 20° ± 2° (Test connector grounded) |                      |                                       |  |
| Timing mark location |                    |                 |         | Eccentric shaft pulley             |                      |                                       |  |
| Spark plug           | Туре               | NGK             |         | Trailing: BUR9EQ, Leading: BUR7EQ  |                      |                                       |  |
| Spain plug           | Gap                |                 | mm (in) | 1.1 (0.043)—1.7 (0.067)            |                      |                                       |  |
| Ignition coil        | Resistance         | Primary         | Ω       | ,                                  | 0.21.0               |                                       |  |
| High-tension lead    | Resistance         | Ω/1 m (3.28 ft) |         | 16,000                             |                      |                                       |  |
| Drive belt           | Deflection at 98 N |                 | New     | 12—15 (0.47—0.59)                  |                      |                                       |  |
| Drive beit           | (10 kg, 22 lb)     | mm (in)         | Used    | 14—17 (0.55—0.67)                  |                      |                                       |  |

### H. CLUTCH

|                  | iter                       | w                |                         | Speci               | fication           |  |
|------------------|----------------------------|------------------|-------------------------|---------------------|--------------------|--|
|                  | Itei                       |                  |                         | Turbo model         | Non-Turbo model    |  |
|                  | Pedal ratio                |                  |                         | 6.3                 | 35:1               |  |
| Clutch pedal     | Stroke                     |                  | mm (in)                 | 135                 | (5.31)             |  |
|                  | Height (Wi                 | th carpet)       | mm (in)                 | 183—193             | (7.20—7.60)        |  |
|                  | Pedal free play            |                  | mm (in)                 | 0.6-3.0 (0.02-0.12) |                    |  |
|                  | Disengagement height mm (i |                  | mm (in)                 | 54 (2.13)           |                    |  |
| Clutch cover     | Set load N (kg, lb)        |                  | N (kg, lb)              | 6,867 (700, 1,540)  | 5,199 (530, 1,166) |  |
|                  | Facing (outer)             |                  | mm (in)                 | 230 (9.06)          | 225 (8.86)         |  |
|                  | Facing (inner)             |                  | mm (in)                 | 155 (6.10)          | 150 (5.91)         |  |
| Clutch disc      | Thickness                  | Pressure plate s | side mm (in) 3.2 (0.13) |                     | 3.2 (0.13)         |  |
| Cidicii disc     | THICKHESS                  | Flywheel side    | mm (in)                 | 3.2 (0.13)          | 3.2 (0.13)         |  |
|                  | Run-out lin                | Run-out limit r  |                         | 0.7 (0.028)         |                    |  |
|                  | Wear limit mm (in)         |                  | mm (in)                 | 0.3 (0.012)         |                    |  |
| Master cylinder  | Bore                       |                  | mm (in)                 | 15.87 (0.625)       |                    |  |
| Release cylinder | Bore                       |                  | mm (in)                 | 19.05 (0.750)       |                    |  |

#### J1, J2. MANUAL TRANSMISSION

| ltem   |   |   |  |
|--|---|---|--|
| TCIII  | Turbo model   | Non-Turbo model   |  |
| 1st  | 3.483   | 3.475   |  |
| 2nd  | 3.483 3. 2.015 2. 1.391 1. 1.000 0.719 0.697 3.288 3. (t) 2.5 (2.6, 2.2) 2.5 (2.6) 0.03 (0.0012) 0.03 (0.006) 0.15 (0.006) 0.15 (0.006) 0.10 0.8 (0.031) 0.15 (0.059) 0.8 (0.031)   | 2.002   |  |
| 3rd  | 1.391   | 1.366   |  |
| 4th  | 1.  | .000  |  |
| 5th  | Turbo model 3.483 3.475 2.015 2.002 1.391 1.366 1.000 0.719 0.697 0.756* 3.288 3.493 at, Imp qt) 2.5 (2.6, 2.2) 2.5 (2.6, 2.2) mm (in) 0.03 (0.0012) 0.03 (0.0012) and gear int mm (in) le gear int mm (in) and clutch int mm (in) atte and int mm (in) atter ring mm (in) 1.5 (0.059)  | 0.697 0.756*  |  |
| Reverse  | 3.288   | Non-Turbo model   3.483   3.475   2.015   2.002   1.391   1.366     1.000     0.719   0.697   0.756*   3.288   3.493   (2.6, 2.2)   2.5 (2.6, 2.2)   3 (0.0012)   0.15 (0.006)     0.15 (0.006)     0.5 (0.020)     0.8 (0.031)     1.5 (0.059)   |  |
| liters (US qt, Imp qt)   | 2.5 (2.6, 2.2)  | 2.5 (2.6, 2.2)  |  |
| Max. permissible run-out mm (in)   | 0.03 (0.0012)   |   |  |
| Clearance between mainshaft and gear (or bush) Wear limit mm (in)        | 0.15  | (0.006)   |  |
| Clearance between reverse idle gear bushing and shaft Wear limit mm (in) | 0.15 (0.006)  |   |  |
| Clearance between shift fork and clutch sleeve Wear limit mm (in)        |   |   |  |
| Clearance between shift rod gate and control lever Wear limit mm (in)    | 0.8   | (0.031)   |  |
| Clearance between synchronizer ring and side of gear when fitted         |   |   |  |
| Above 10°C (50°F)  |   |   |  |
| All seasons  |   | Non-Turbo model   3.475   2.002   1.366   2.000   2.5 (2.6, 2.2)   2.5 (2.6, 2.2)   2.003 (0.0012)   (0.006)   (0.006)   (0.006)   (0.0031)   (0.059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059)   (0.0031)   (0.0059) |  |
|  | 2nd 3rd 4th 5th Reverse  liters (US qt, Imp qt)  Max. permissible run-out mm (in) Clearance between mainshaft and gear (or bush) Wear limit mm (in) Clearance between reverse idle gear bushing and shaft Wear limit mm (in) Clearance between shift fork and clutch sleeve Wear limit mm (in) Clearance between shift rod gate and control lever Wear limit mm (in) Clearance between synchronizer ring and side of gear when fitted Standard mm (in) Wear limit mm (in) Above 10°C (50°F) | Turbo model  1st 3.483 2nd 2.015 3rd 1.391 4th 1 5th 0.719 Reverse 3.288 liters (US qt, Imp qt) 2.5 (2.6, 2.2)  Max. permissible run-out mm (in) 0.03 (0.0012)  Clearance between mainshaft and gear (or bush) Wear limit mm (in) Clearance between reverse idle gear bushing and shaft Wear limit mm (in)  Clearance between shift fork and clutch sleeve Wear limit mm (in) Clearance between shift rod gate and control lever Wear limit mm (in)  Clearance between synchronizer ring and side of gear when fitted Standard mm (in) Above 10°C (50°F) API Service GL-4   |  |

### K. AUTOMATIC TRANSMISSION

| Item                   |                                   | Model                 | N4A-EL  |
|------------------------|-----------------------------------|-----------------------|---|
|                        | 1st                               |                       | 2.841   |
|                        | 2nd                               |                       | 1,541   |
| Gear ratio             | 3rd                               |                       | 1.000   |
|                        | OD (4th)                          |                       | 0.720   |
|                        | Reverse                           |                       | 2.400   |
| Automatic transmission | Туре                              |                       | DEXRON-II or M-III  |
| fluid (ATF)            |                                   | iters (US qt, Imp qt) | 7.3 (7.7, 6.4)  |
|                        | Body clearance                    | Standard              | 0.02—0.04 (0.0008—0.0016)   |
|                        | mm (in)                           | Maximum               | 0.08 (0.0031)   |
| <b>6</b> "             | Tip clearance                     | Standard              | 0.140.21 (0.00550.0083)   |
| Oil pump               | mm (in)                           | Maximum               | 0.25 (0.0098)   |
|                        | Side clearance                    | Standard              | 0.05—0.20 (0.0020—0.0079)   |
|                        | mm (in)                           | Maximum               | 0.25 (0.0098)   |
|                        | Seal ring and groove              | Standard              | 0.04—0.16 (0.0016—0.0063)   |
| Drum support           | clearance mm (in)                 | Maximum               | 0.40 (0.016)  |
|                        | Side plate clearance              | e mm (in)             | 0.2 (0.008)   |
|                        | Side plate size                   | mm (in)               | 0.4 (0.016), 0.6 (0.024), 0.8 (0.031),<br>1.0 (0.039), 1.2 (0.047)  |
| Direct clutch          | End play                          | mm (in)               | 0.50.8 (0.0200.031)   |
|                        | Bearing race size mm (in)         |                       | 0.8 (0.031), 1.0 (0.039), 1.2 (0.047), 1.4 (0.055),<br>1.6 (0.063), 1.8 (0.071), 2.0 (0.079), 2.2 (0.087) |
|                        | Pinion clearance                  | Standard              | 0.2—0.7 (0.008—0.028)   |
| 00 1 4                 | mm (in)                           | Maximum               | 0.8 (0.031)   |
| OD planetary gear unit | Total end play mm (in)            |                       | 0.25—0.50 (0.010—0.020)   |
| gear unit              | Bearing race size                 | mm (in)               | 1.2 (0.047), 1.4 (0.055), 1.6 (0.063),<br>1.8 (0.071), 2.0 (0.079), 2.2 (0.087)                           |
|                        | Retaining plate clea              | rance mm (in)         | 0.9—1.1 (0.035—0.043)   |
|                        | Retaining plate size              | mm (in)               | 5.0 (0.197), 5.2 (0.205), 5.4 (0.213), 5.6 (0.220),<br>5.8 (0.228), 6.0 (0.236), 6.2 (0.244)              |
| Front clutch           | End play                          | mm (in)               | 0.5—0.8 (0.020—0.031)   |
|                        | Bearing race size                 | mm (in)               | 0.8 (0.031), 1.0 (0.039), 1.2 (0.047), 1.4 (0.055),<br>1.6 (0.063), 1.8 (0.071), 2.0 (0.079), 2.2 (0.087) |
|                        | Retaining plate clearance mm (in) | Maximum               | 0.8—1.0 (0.031—0.039)   |
| Rear clutch            | Total end play                    | mm (in)               | 0,25—0.50 (0.010—0.020)   |
|                        | Bearing race size                 | mm (in)               | 1.2 (0.047), 1.4 (0.055), 1.6 (0.063),<br>1.8 (0.071), 2.0 (0.079), 2.2 (0.087)                           |
| Front planetary        | Pinion clearance                  | Standard              | 0.20.7 (0.0080.028)   |
| gear unit              | mm (in)                           | Maximum               | 0.8 (0.031)   |
| Rear planetary         | Pinion clearance                  | Standard              | 0.2—0.7 (0.008—0.028)   |
| gear unit              | mm (in)                           | Maximum               | 0.8 (0.031)   |
| Low and sources        | Retaining plate clea              | arance mm (in)        | 0.8—1.05 (0.031—0.041)  |
| Low and reverse brake  | Retaining plate size              | mm (in)               | 11.8 (0.465), 12.0 (0.472), 12.2 (0.480),<br>12.4 (0.488), 12.6 (0.496), 12.8 (0.504)                     |
| Oil distributor        | Seal ring to groove               | Standard              | 0.04—0.16 (0.002—0.006)   |
| Oil distributor        | clearance mm (in)                 | Maximum               | 0.40 (0.016)  |

| Item                    | ltem Mode                           |  |                                |                                       | N4A-EL                  |                  |                        |  |  |  |
|-------------------------|-------------------------------------|--|--------------------------------|---------------------------------------|-------------------------|------------------|------------------------|--|--|--|
|                         |                                     | Valve spring specification                   |                                | Outer dia.                            | Free length             | No. of coils     | Wire dia.              |  |  |  |
|                         |                                     | Pressure regulator                           |                                | mm (in)<br>11.7 (0.461)               | mm (in)<br>43.0 (1.693) | 15.0             | mm (in)<br>1.2 (0.047) |  |  |  |
|                         |                                     | 1-2 shift                                    |                                |                                       | <del></del>             |                  | <del></del>            |  |  |  |
|                         |                                     |  |                                | 7.4 (0.291)                           | 26.4 (1.039)            | 11.6             | 0.7 (0.028)            |  |  |  |
|                         | 2-3 shift 3-4 shift Throttle backup |  |                                | 7.4 (0.291)                           | 57.6 (2.268)            | 26.0             | 0.9 (0.035)            |  |  |  |
|                         |                                     |  |                                | 7.5 (0.295)                           | 40.2 (1.583)            | 17.0             | 0.8 (0.031)            |  |  |  |
|                         |                                     |  |                                | 8.3 (0.327)                           | 18.3 (0.720)            | 7.5              | 0.8 (0.031)            |  |  |  |
|                         |                                     | Backup control                               |                                | 8.5 (0.335)                           | 21.3 (0.839)            | 9.25             | 0.9 (0.035)            |  |  |  |
|                         |                                     | N-R reducing                                 |                                | 7.4 (0.291)                           | 14.5 (0.571)            | 7.0              | 0.6 (0.024)            |  |  |  |
| Control                 | valve                               | Pressure modifier                            |                                | 9.2 (0.362)                           | 19.8 (0.780)            | 7.3              | 0.7 (0.028)            |  |  |  |
|                         |                                     | 3-2 control                                  |                                | 5.5 (0.217)                           | 39.5 (1.555)            | 24.4             | 0.65 (0.026)           |  |  |  |
|                         |                                     | Throttle relief                              |                                | 7.4 (0.291)                           | 38.2 (1.504)            | 17.0             | 1.1 (0.043)            |  |  |  |
|                         |                                     | Orifice check                                |                                | 5.0 (0.197)                           | 15.5 (0.610)            | 12.0             | 0.23 (0.009)           |  |  |  |
|                         |                                     | 1-2 reducing                                 |                                | 9.5 (0.374)                           | 19.5 (0.768)            | 7.6              | 0.9 (0.035)            |  |  |  |
|                         |                                     | 1-2 accumulator                              |                                | 10.3 (0.406)                          | 62.6 (2.465)            | 24.0             | 1.4 (0.055)            |  |  |  |
|                         |                                     | N-R/2-3 accumulator                          | ·                              | 8.7 (0.343)                           | 75.8 (2.984)            | 30.0             | 1.1 (0.043)            |  |  |  |
|                         |                                     | N-D accumulator                              |                                | 9.3 (0.366)                           | 43.4 (1.709)            | 24.0             | 1.4 (0.055)            |  |  |  |
| Throttle relief (ball)  |                                     | <u> </u>                                     | 6.5 (0.256)                    | 26.8 (1.055)                          | 16.0                    | 0.9 (0.035)      |                        |  |  |  |
| Oil pump Lockup control |                                     |  | 5.45 (0.215)                   | 25.7 (1.012)                          | 16.5                    | 0.65 (0.026)     |                        |  |  |  |
| Drum s                  | Drum support OD accumulator         |  |                                | 16.0 (0.630)                          | 40.4 (1.590)            | 9.8              | 2.6 (0.102)            |  |  |  |
| Band se                 | Band servo OD                       |  |                                | 28.0 (1.102)                          | 48.0 (1.890)            | 7.0              | 3.5 (0.138)            |  |  |  |
|                         | 2nd                                 |  |                                | 28.25 (1.112)                         | 35.0 (1.378)            | -                | 3.5 (0.138)            |  |  |  |
|                         | Direct, front, and rear clutches    |  |                                | 8.0 (0.315)                           | 30.5 (1.201)            | 14.5             | 1.3 (0.051)            |  |  |  |
| Low and reverse brake   |                                     |  |                                | 5.3-6.2 (0.209-0.244)                 |                         | _                |                        |  |  |  |
| Parking rod             |                                     | 7.2 (0.283)                                  | 32.0 (1.260)                   | 14.0                                  | 0.7 (0.028)             |                  |                        |  |  |  |
| Shift pe                | oint (exc                           | cept convertible)                            | 7                              |                                       | -                       |                  |                        |  |  |  |
| Mode                    | Range                               | Throttle condition (Throttle sensor voltage) | Throttle sensor voltage) Shift |                                       | Turbine speed (rpm)     |                  | d km/h (mph)           |  |  |  |
|                         |                                     | Dt→D2  |                                |                                       | -6,350                  |                  | (37—41)                |  |  |  |
| }                       |                                     | Fully opened (4.3 volt)                      | D2→D3                          | 5,800—6,210                           |                         | 111—119 (69—74)  |                        |  |  |  |
|                         |                                     | ·  | D3→OD                          |                                       | -5,590                  | 155—165 (96—102) |                        |  |  |  |
|                         |                                     |  | D1→D2                          | 3,950—4,520                           |                         | 41-47 (25-29)    |                        |  |  |  |
|                         |                                     |  | D2→D3                          |                                       | -4,390                  | 7684 (4752)      |                        |  |  |  |
|                         |                                     |  | Lockup ON (D3)                 |                                       | -3,490                  |                  | (60—64)                |  |  |  |
|                         | D                                   | Half throttle (2.6 volt)                     | D3→OD                          |                                       | <b>-4.130</b>           | 114122 (7176)    |                        |  |  |  |
|                         |                                     | ,  | Lockup ON (OD)                 |                                       | -4,130                  | 114—122 (71—76)  |                        |  |  |  |
|                         | i                                   |  | Lockup OFF (OD)                |                                       | -2,290                  | 86—94 (53—58)    |                        |  |  |  |
| 1                       |                                     |  | OD→D3                          |                                       | 2,290                   | 86—94 (53—58)    |                        |  |  |  |
|                         |                                     | D3→D2  |                                | -1,660                                | 41—49                   |                  |                        |  |  |  |
| Normal                  |                                     |  | OD→D3                          |                                       | -3,780                  | 145—155          |                        |  |  |  |
|                         |                                     | Kickdown                                     | D3→D2                          |                                       | -3,690                  |                  | (63—68)                |  |  |  |
| }                       |                                     |  | D2→D1                          |                                       | -2,510                  | 42—48            |                        |  |  |  |
| !                       |                                     |  | S1→S2                          |                                       | -6,350                  |                  | (37—41)                |  |  |  |
|                         |                                     | Fully opened (4.3 volt)                      | S2→S3                          | <del> </del>                          | <u>-6,210</u>           | 111—119          | · <u> </u>             |  |  |  |
|                         | c                                   | , , ,  | S3→S2                          |                                       | -3,660                  |                  | (63—67)                |  |  |  |
|                         | S                                   |  | S2→S1                          |                                       | -2,510                  | 42—48            |                        |  |  |  |
|                         |                                     | Light throttle (O.C. ::=10)                  | S1→S2                          |                                       | -4,520                  | 41—47            |                        |  |  |  |
|                         |                                     | Haif throttle (2.6 volt)                     | S2→S3                          |                                       | -4,390<br>-1,000        | 76—84            |                        |  |  |  |
| }                       | •                                   |  | \$3→\$2                        |                                       | -1,630                  | 42-48            |                        |  |  |  |
|                         |                                     | Fully opened (4.3 volt)                      | L1→L2                          |                                       | -6,350                  | 60—66            |                        |  |  |  |
|                         | L                                   |  | L2→L1                          | · · · · · · · · · · · · · · · · · · · | <u>-2,510</u>           | 42—48 (26—30)    |                        |  |  |  |
|                         |                                     | Half throttle (2.6 volt)                     | L1→L2                          | 4,040-                                |                         | 4248             |                        |  |  |  |
|                         | D                                   | _  | D2→D3                          |                                       | -1,200                  | 17—23            |                        |  |  |  |
| الماملا                 | Đ                                   |  | D3→D2                          |                                       | <del>-470</del>         | 6—14             | ·                      |  |  |  |
| Hold                    |                                     | Fully algored (0.0 ··-its)                   | OD→D3                          | 3,830-                                |                         | 157—163          |                        |  |  |  |
| }                       | S                                   | Fully closed (0.8 volt)                      | S3→S2                          | 3,800-                                |                         | 112—118          |                        |  |  |  |
|                         | L .                                 |  | L2→L1                          | 2,350-                                | -2,660                  | 4551 (           | (28 <b>—32</b> )       |  |  |  |

## TECHNICAL DATA TD

| item   |           |  | Model           | N4                  | A-EL                     |
|--------|-----------|--|-----------------|---------------------|--------------------------|
|        | oint (cor | vertible)                                    |                 |                     |                          |
| Mode   | Range     | Throttle condition (Throttle sensor voltage) | Shift           | Turbine speed (rpm) | Vehicle speed km/h (mph) |
|        |           | (  | D1→D2           | 5,9606,560          | 59—65 (37—40)            |
|        |           | Fully opened (4.3 volt)                      | D2→D3           | 5,9106,350          | 108—116 (67—72)          |
|        |           |  | D3→OD           | 5,330—5,690         | 150—160 (93—99)          |
|        |           |  | D1→D2           | 4,040—4,640         | 40-46 (25-29)            |
|        |           |  | D2→D3           | 4,050—4,490         | 74—82 (46—51)            |
|        |           |  | Lockup ON (D3)  | 3,450—3,660         | 97—103 (60—64)           |
|        |           |  | D₃→OD           | 3,910—4,190         | 110—118 (68—73)          |
|        | D         | Half throttle (2.6 volt)                     | Lockup ON (OD)  | 2,810-3,020         | 110—118 (68—73)          |
| İ      |           |  | Lockup OFF (OD) | 2,120—2,330         | 83—91 (51—56)            |
|        |           |  | OD→D3           | 2,1202,330          | 83—91 (51—56)            |
|        |           |  | D3→D2           | 1,460—1,740         | 41—49 (25—30)            |
|        |           |  | OD→D3           | 3,530—3,790         | 138—148 (86—92)          |
| Normal | }         | Kickdown                                     | D3→D2           | 3,410—3,700         | 96—104 (60—64)           |
|        |           |  | D2→D1           | 2,190-2,520         | 40—46 (25—29)            |
|        | _         | Fully opened (4.3 volt)                      | S1→S2           | 5,960—6,560         | 59—65 (37—40)            |
|        |           |  | S2→S3           | 5,910—6,350         | 108—116 (67—72)          |
|        |           |  | S3→S2           | 3,450—3,660         | 97—103 (60—64)           |
| '      | s         |  | S2→S1           | 2,190—2,520         | 40—46 (25—29)            |
|        |           |  | S1→S2           | 4,0404,640          | 40—46 (25—29)            |
|        |           | Half throttle (2.6 volt)                     | S2→S3           | 4,110—4,440         | 75—81 (47—50)            |
|        |           | . ,  | S3→S2           | 1,460—1,740         | 41-49 (25-30)            |
|        |           | E ()   | L1→L2           | 5,960—6,560         | 59—65 (37—40)            |
|        | L         | Fully opened (4.3 volt)                      | L2→L1           | 2,190—2,520         | 40—46 (25—29)            |
|        |           | Half throttle (2.6 volt)                     | L1→L2           | 4,040—4,640         | 40—46 (25—29)            |
|        |           |  | D2→D3           | 930—1,260           | 17—23 (11—14)            |
|        | D         |  | D3→D2           | 210500              | 6—14 (4—9)               |
| Hold   |           |  | OD→D3           | 3,840—3,990         | 150—156 (93—97)          |
|        | S         | Fully closed (0.8 volt)                      | S3→S2           | 3,800—4,020         | 107—113 (66—70)          |
|        | L         | 1  | L2→L1           | 2,350—2,680         | 43—49 (27—30)            |

| Item               |                              | Model                   | N4A-EL                           |
|--------------------|------------------------------|-------------------------|----------------------------------|
|                    | Shift position Engine sp     |                         | 750 ± 25                         |
|                    | R range                      | Idle                    | 638-736 (6.5-7.5, 92-107)        |
|                    | kPa (kg/cm², psi)            | Stall                   | 1,864-2,060 (19.0-21.0, 270-299) |
|                    | D (Normal) range             | ldle                    | 294—392 (3.0—4.0, 43—57)         |
|                    | kPa (kg/cm², psi)            | Stall                   | 883—1,079 (9.0—11.0, 128—156)    |
| Line pressure      | S (Normal) range             | Idle                    | 294—392 (3.0—4.0, 43—57)         |
|                    | kPa (kg/cm², psi)            | Stall                   | 883—1,079 (9.0—11.0, 128—156)    |
|                    | S (Hold) range               | Idle                    | 294—392 (3.0—4.0, 43—57)         |
|                    | kPa (kg/cm², psi)            | Stall                   | 638-834 (6.5-8.5, 92-121)        |
|                    | L range                      | Idle                    | 294-392 (3.0-4.0, 43-57)         |
|                    | kPa (kg/cm², psi)            | Stall                   | 8831,079 (9.011.0, 128156)       |
| Engine stall speed | <del></del> -                | rpm                     | 1,900—2,100                      |
|                    | Clearance between body valve | and throttle<br>mm (in) | Adjusting rod length mm (in)     |
| Vacuum             | Below 27.30 (1.0748)         |                         | 29.0 (1.14)                      |
| diaphragm          | 27.30—27.80 (1.0748—1.       |                         | 29.5 (1.16)                      |
|                    | 27.80-28.30 (1.0945-1        |                         | 30.0 (1.18)                      |
|                    | 28.30—28.80 (1.1142—1.       | .1339)                  | 30.5 (1.20)                      |
| <del></del> -      | 28.80 (1.1339) or over       |                         | 31.0 (1.22)                      |
| <b>-</b> :         | N ↔ D (Normal)               | sec.                    | 0.5—0.6                          |
| Time lag           | N ↔ D (Hold)                 | sec.                    | 0.50.6                           |
|                    | N ↔ R                        | sec.                    | 0.75—0.85                        |

### L. PROPELLER SHAFT

| ltem                     |         | Specification |  |  |
|--------------------------|---------|---------------|--|--|
| Max. permissible run-out | mm (in) | 0.4 (0.016)   |  |  |

### M. FRONT AND REAR AXLES

|  | ltem           |                        | Specif                      | ication                    |  |
|--|----------------|------------------------|-----------------------------|----------------------------|--|
|  |                | <u> </u>               | Turbo model Non-Turbo mode  |                            |  |
| Reduction ratio M/T  |                |                        | 4.1                         | 4.1, 4.3 (Viscous L.S.D.)  |  |
| Reduction ratio A/T (convertible)                            |                |                        |                             | 3.909 (4.1)                |  |
| Backlash of ring gear and pinion mm (in)                     |                |                        | 0.09-0.11 (0.               | 0035—0.0043)               |  |
| Pinion bearing preload (without pinion oil seal) N-m (in-lb) |                |                        | 1                           | 11.3—15.6)                 |  |
| Backlash at side gear and pinion gear mm (in)                |                |                        | 0-0.1 (0-0.004)             |                            |  |
| Front wheel bearing end play mm (in)                         |                |                        | 0 (0)                       |                            |  |
| Rear wheel bearing   | end play       | mm (in)                | 0-0.1 (0-0.004)             |                            |  |
|  | Standard diff. | Above –18°C (0°F)      | API Service GL-5 SAE90      |                            |  |
| Lubricant  | Standard Ulli. | Below -18°C (0°F)      | API Service GL-5 SAE80W     |                            |  |
| Labricant  | Viscous L.S.D. | Above -18°C (0°F)      | API Service GL-5 SAE90      |                            |  |
|  | VISCOUS L.S.D. | Below -18°C (0°F)      | <u> </u>                    | GL-5 SAE80W                |  |
| Oil capacity   | Standard diff. | liters (US qt, Imp qt) |                             | 1.3 (1.4, 1.1)             |  |
| ————   | Viscous L.S.D. | liters (US qt, Imp qt) | 1.4 (1.5, 1.2)              | 1.3 (1.4, 1.1)             |  |
| "L" (case spread)  |                | mm (in)                | 204.43-204.50 (8.048-8.051) | 185.43—185.50 (7.300—7.30) |  |

Viscous L.S.D.: Viscous Limited Slip Differential

### N. STEERING SYSTEM

| Item                  | Туре                  | Engine speed sensing<br>power steering | Electronically controlled power steering |  |  |
|-----------------------|-----------------------|--|--|--|--|
|                       |                       | power ateating                         | power accoming                           |  |  |
| Steering wheel        |                       |  | (45.0)                                   |  |  |
| Outer diameter        | mm (in)               |  | ) (15.0)                                 |  |  |
| Free play             | mm (in)               |  | 0.20—0.79)                               |  |  |
| Wheel effort          | N (kg, lb)            | 36 (3.7, 8.1) or less                  | 13.7—20.6 (1.4—2.1, 3.1—4.6              |  |  |
| Lock-to-lock          | turns                 | 2.70                                   | 3.09                                     |  |  |
| Steering Shaft        |                       |  |  |  |  |
| Shaft type            |                       | Coll                                   | apsible                                  |  |  |
| Joint type            |                       | 2-cre                                  | oss joint                                |  |  |
| Tilt stroke           | mm (in)               | 35                                     | (1.38)                                   |  |  |
| Power steering system |                       |  |  |  |  |
| Gear type             |                       | Rack a                                 | and pinion                               |  |  |
| Gear ratio            |                       | 00                                     | (infinite)                               |  |  |
| Rack stroke           | mm (in)               | 144                                    | (5.67)                                   |  |  |
| Power steering fluid  |                       | ATF DEXRON-II or M-III                 |  |  |  |
| Fluid capacity        | liter (US qt, Imp qt) | 0.8 (0.85, 0.70)                       |  |  |  |
| Fluid pressure        | kPa (kg/cm², psi)     | 7,848—8,339 (80                        | <del></del>                              |  |  |

### P. BRAKING SYSTEM

|                 |  |                                     | NON-T                                     | URBO                  | TURBO              |  |
|-----------------|--|-------------------------------------|---|-----------------------|--------------------|--|
|                 | Item   |                                     | Type A*                                   | Type B*               | TURBU              |  |
|                 | Height (with carpet)   | mm (in)                             | 1.  | 84—189 (7.24—7.44     | )                  |  |
|                 | Free play  | mm (in)                             |   | 4-7 (0.16-0.28)       |                    |  |
| Brake pedal     | Reserve travel<br>(without carpet, clearance who<br>depressed at 58.9 N (6.0 kg, | mm (in)<br>en pedal is<br>13.2 lb)) |   | 100 (3.94) min.       |                    |  |
|                 | Туре   |                                     | Tan                                       | ndem (with level sens |                    |  |
| Master cylinder | Bore   | mm (in)                             | 22.22 (                                   |                       | 23.81 (0.937)      |  |
| -               | Fluid type   |                                     | SAE J                                     | 1703 or FMVSS116 I    | DOT-3              |  |
|                 | Туре   |                                     | Ventilated disc,<br>single-piston caliper | Ventilated disc, for  | our piston caliper |  |
|                 | Thickness of pad mm (in)   | Standard                            | 9 (0.35)                                  | 11 (0                 | 0.43)              |  |
| Front brakes    |  | Limit                               | 2 (0.08)                                  | 2 (0                  | .08)               |  |
| (Disc)          | Thickness of disc plate  | Standard                            | 22 (0.87)                                 |                       |                    |  |
|                 | mm (in)  | Limit                               | 20 (0.79)                                 |                       |                    |  |
|                 | Disc plate runout  | Disc plate runout mm (in)           |   | 0.1 (0.004) max.      |                    |  |
|                 | Wheel cylinder bore  | mm (in)                             | 50.8 (2.00)                               | 36.12 (1.42)          |                    |  |
|                 | Туре   |                                     | Solid disc                                | Ventilat              | ed disc            |  |
|                 | This lease of modern (in)  | Standard                            | 8 (0.31)                                  |                       |                    |  |
|                 | Thickness of pad mm (in)   | Limit                               |   | 1 (0.04)              |                    |  |
| Rear brake      | Thickness of disc plate  | Standard                            | 10 (0.39)                                 | 20 (0                 | ).79)              |  |
| (Disc)          | mm (in)  | Limit                               | 8 (0.31)                                  | 18 (0                 | 0.71)              |  |
|                 | Disc plate runout  | mm (in)                             | 0.1 (0.004) max.                          |                       |                    |  |
|                 | Wheel cylinder bore  | mm (in)                             | 34.93 (1.375)                             |                       |                    |  |
| Parking brake   | Lever notches<br>[Pulled at 98 N (10 kg, 22 II                                   | 0)]                                 |   | 57                    |                    |  |

Type A\*: Standard suspension models
Type B\*: Sport suspension, Auto Adjusting Suspension (AAS), or convertible top models

|                             | Item   |                 | NON-T             | 711770                          |                     |
|-----------------------------|--|-----------------|-------------------|---------------------------------|---------------------|
|                             |  |                 | Type A* Type B*   |                                 | TURBO               |
|                             | Туре   |                 | Single di         | aphragm                         | Tandem diaphragm    |
|                             | Diameter mm (in)   |                 | 238 (9.37)        |                                 | 188&215 (7.40&8.46) |
| Power brake unit            | Push rod-to-piston clearance mm (in)   |                 | appro             | the unit is<br>.7 inHg)<br>012) |                     |
|                             | Fluid pressure per treading force w<br>500 mmHg (19.7 inHg) vacuum ap<br>kPa (kg/cm², psi)/N (kg | plied           | 7,063 (72, 1,024) |                                 | (85, 1,209)         |
| Rear wheel                  | Туре   | PBV             |                   | PBV                             |                     |
| hydraulic<br>control system | Bend portion (Master cylinder press<br>kPa (kg/cm²   | sure)<br>, psi) |                   | 2,943 (30, 427)                 |                     |

Type A\*: Standard suspension models
Type B\*: Sport suspension, Auto Adjusting Suspension (AAS), or convertible top models

### Q. WHEELS AND TIRES

| <u>Type</u> |   |               | Standard          |             |            |                                       | Temporary spare |            |
|-------------|---|---------------|-------------------|-------------|------------|---------------------------------------|-----------------|------------|
|             | Size                                      |               | 6JJx15            | 5           | 3-1/2JJx15 | 7JJx16                                | 4Tx15           | 4Tx16      |
| Wheel       | Offset                                    | mm (in)       |                   | 40 (1.57)   |            |                                       |                 | 30 (1.18)  |
| **********  | Pitch circle diame                        | ter mm (in)   |                   | 114.3 (4.5) |            |                                       |                 |            |
|             | Material                                  |               | Steel             | Aluminum    |            | n ,                                   | Steel           | Aluminum   |
| Tire        | Size                                      |               | 205/60R15 89H     | *205/6      | 0VR15      | *205/55R16 88V                        | T135/70D15      | T135/70D16 |
|             | Air pressure kPa                          | (kg/cm², psi) |                   | 216 (       | 2.2, 32)   | · · · · · · · · · · · · · · · · · · · | 415 (4.2, 60)   |            |
|             |   | Horizontal    |                   | _           |            | 2.0 (0.08)                            |                 |            |
| Wheel       |   | Vertical      |                   | 2.0 (0.08)  |            | 2.0 (0.08)                            |                 |            |
| and tire    | Maximum unbalance<br>(at rim edge) g (oz) |               | 9 (0.31) 8 (0.28) |             | -          | _                                     |                 |            |

<sup>\*</sup>Indicates directional tires

## R. SUSPENSION Front Suspension

|                 | <del>-</del>        | Туре           | Sport su                  | spension                   | Standard suspension |               |  |  |  |
|-----------------|---------------------|----------------|---------------------------|----------------------------|---------------------|---------------|--|--|--|
| Item            |                     |                | Left side                 | Right side                 | Left side           | Right side    |  |  |  |
| Suspension type |                     |                | Strut                     |                            |                     |               |  |  |  |
| 0:12            | Туре                | <u></u>        |                           | Torsion bar                |                     |               |  |  |  |
| Stabilizer      | Diameter            | mm (in)        |                           | 24 (0.94)                  |                     |               |  |  |  |
| Shock absorbers |                     |                |                           | Cylindrical, double-acting |                     |               |  |  |  |
|                 | Identification ma   | rk color       | Green                     | Gray                       | Red                 | Light green   |  |  |  |
|                 | Wire diameter       | mm (in)        | 12.2 (0.48)               | 12.0 (0.47)                | 12.0 (0.47)         | 12.0 (0.47)   |  |  |  |
| <b></b>         | Coil diameter       | Top mm (in)    | 147.2 (5.80)              | 147.0 (5.79)               | 147.0 (5.79)        | 147.0 (5.79)  |  |  |  |
| Coil springs    |                     | Bottom mm (in) | 69.8 (2.75)               | 70.0 (2.76)                | 70.0 (2.76)         | 70.0 (2.76)   |  |  |  |
|                 | Free length mm (in) |                | 346.5 (13.64)             | 336.5 (13.23)              | 355.5 (14.00)       | 348.5 (13.72) |  |  |  |
|                 | Coil number         |                | 4.29                      | 4.08                       | 4.41                | 4.41          |  |  |  |
|                 | mm (in)             |                | $3 \pm 3 (0.12 \pm 0.12)$ |                            |                     |               |  |  |  |
|                 | Total toe-in        | degree         | 0°18' ± 18'               |                            |                     |               |  |  |  |
| Front wheel     | Maximum             | Inner 36° ± 2° |                           |                            |                     |               |  |  |  |
| alignment       | 1                   | Outer          |                           | 32°                        | 2° ± 2°             |               |  |  |  |
| (*Unladen)      | Camber angle        |                | 0°20' ± 30'               |                            |                     |               |  |  |  |
|                 | Caster angle        |                | 4°40′ ± 45′               |                            |                     |               |  |  |  |
|                 | Kingpin angle       |                | 13°45'                    |                            |                     |               |  |  |  |

### **Rear Suspension**

| Typ                                  |                   | Туре      | Sport suspension           | Standard suspension |                 |  |
|--------------------------------------|-------------------|-----------|----------------------------|---------------------|-----------------|--|
|                                      |                   |           | Normal b                   | ody                 | Convertible top |  |
| Suspension type                      |                   |           | Multilink semi-trailing    |                     |                 |  |
|                                      | Туре              |           | Torsion bar                |                     |                 |  |
| Stabilizer                           | Diameter          | mm (in)   | 14 (0.55)                  | 12 (0.47)           |                 |  |
| Shock absorbers                      |                   |           | Cylindrical, double-acting |                     |                 |  |
|                                      | Identification ma | ark color | Purple                     |                     | Orange          |  |
|                                      | Wire diameter     | mm (in)   | 10.1 (0.40)                |                     | 10.3 (0.41)     |  |
| Coil springs                         | Coil diameter     | mm (in)   | 84.4 (3.3                  | 32)                 | 84.2 (3.31)     |  |
| our opinige                          | Free length       | mm (in)   | 385.0 (15                  | .16)                | 372.5 (14.67)   |  |
|                                      | Coil number       |           | 9.62                       |                     | 9.43            |  |
| Rear wheel align-<br>ment (*Unladen) | <del> </del>      | mm (in)   | $3 \pm 3 (0.12 \pm 0.12)$  |                     |                 |  |
|                                      | Total toe-in      | degree    | 0°18' ± 18'                |                     | ' ± 18'         |  |
|                                      | Camber angle      |           |                            | -0°44               | 1' ± 30'        |  |

<sup>\*</sup>Fuel tank full; radiator coolant and engine oil at specified level, and spare tire, jack, and tools in designated position

### T. BODY ELECTRICAL SYSTEM

|                      | Item                               | Specification (W) (BULB TRADE NO.)   |  |  |  |
|----------------------|------------------------------------|--|--|--|--|
|                      | Headlight (Halogen)                | 65/35 (HP6054, H6054)  |  |  |  |
| Front exterior       | Turn signal/Parking light          | 27/8 (1157)  |  |  |  |
| lights               | Front fog light (For U.S.A.)       | 65/35 (HP6054, H6054)  27/8 (1157)  55  Canada)  55  3.8 (194)  27 (1156)  7.5 (89)  27/8 (1157)  27 (1156)  27 (1156) |  |  |  |
|                      | Daytime running light (For Canada) | 55   |  |  |  |
|                      | Side marker light                  | 3.8 (194)  |  |  |  |
|                      | Back-up light                      | 27 (1156)  |  |  |  |
|                      | License plate light                | 7.5 (89)   |  |  |  |
| Rear exterior lights | Stop/Tail light                    | 27/8 (1157)  |  |  |  |
| neal extendingnis    | High mounted stop light            |  |  |  |  |
|                      | Turn signal light                  |  |  |  |  |
|                      | Side marker light                  | 3.8 (194)  |  |  |  |

| Item                |  | Specification (W) and Bulb trade number |  |  |  |  |
|---------------------|--|---|--|--|--|--|
|                     | Interior light   | 10                                      |  |  |  |  |
| Interior lights     | Glove compartment light<br>Courtesy light  | 3.4 (158)                               |  |  |  |  |
|                     | Luggage compartment light Map light  | 5                                       |  |  |  |  |
| Warning lights      | Overheat exhaust system Add coolant Washer level Alternator Front doors Engine oil level Check Brake Anti-lock Seat belt Rear glass hatch Cooling fan Fuel | 1.4                                     |  |  |  |  |
| Indicator           | Shift up<br>Hazard<br>High beam  | 3.4 (158)                               |  |  |  |  |
|                     | Turn signal Security light   | 3.4                                     |  |  |  |  |
|                     | Cooling fan (In meter unit)<br>Main<br>Cruise<br>O/D OFF   | 1.4                                     |  |  |  |  |
|                     | Automatic selector<br>Cigarette lighter  | 3.4 (158)                               |  |  |  |  |
| Illumination lights | Door key   | 1.4                                     |  |  |  |  |
|                     | Ignition key<br>Meter  | 3.4                                     |  |  |  |  |

### U. HEATING AND AIR CONDITIONING SYSTEMS

| Item                               |                        | Specifications                                  |  |  |  |  |
|------------------------------------|------------------------|---|--|--|--|--|
| Refrigerant amount                 |                        | 800 g (28.2 oz)                                 |  |  |  |  |
| Compressor oil amount cc (cu in)   | Nippondenso compressor | 60—100 (3.7—6.1)                                |  |  |  |  |
| Compressor on amount cc (cd in)    | Sanden compressor      | 135 (8.2)                                       |  |  |  |  |
| Refrigerant normal pressure at 25° |                        | Low pressure: 98—167 (1.0—1.7, 14—24)           |  |  |  |  |
|                                    | kPa (kg/cm², psi)      | High pressure: 1,030—1,324 (10.5—13.5, 149—192) |  |  |  |  |

### STANDARD BOLT AND NUT TIGHTENING TORQUE

| Diameter   | Pitch        |          | 4T        |          | 6T      |          |         | 8T       |         |         |
|------------|--------------|----------|-----------|----------|---------|----------|---------|----------|---------|---------|
| mm (in)    | mm (in)      | N-m      | m-kg      | ft-lb    | N⋅m     | m-kg     | ft-lb   | N⋅m      | m-kg    | ft-lb   |
| 6 (0.236)  | 1 (0.039)    | 4.2-6.2  | 0.43-0.63 | 3.1-4.6  | 6.9-9.8 | 0.7—1.0  | 5.0-7.2 | 7.8—11.8 | 0.8—1.2 | 5.8—8.8 |
| 8 (0.315)  | 1.25 (0.049) | 9.8—14.7 | 1.0—1.5   | 7.2—10.8 | 16—23   | 1.6—2.3  | 12—17   | 18—26    | 1.82.7  | 13—20   |
| 10 (0.394) | 1.25 (0.049) | 20—28    | 2.0-2.9   | 14—21    | 31-46   | 3.2-4.1  | 23—34   | 36—54    | 3.7—5.5 | 27—40   |
| 12 (0.472) | 1.5 (0.059)  | 34—50    | 3.5—5.1   | 25—37    | 55—80   | 5.6-8.2  | 4159    | 63—93    | 6.4—9.5 | 46—69   |
| 14 (0.551) | 1.5 (0.059)  | _        | _         |          | 75—103  | 7.7—10.5 | 56—76   | 102—137  | 10—14   | 75—101  |
| 16 (0.630) | 1.5 (0.059)  |          | -         | ı        | 116—157 | 12—16    | 85—116  | 156—211  | 16—22   | 115—156 |
| 18 (0.709) | 1.5 (0.059)  | -        | _         | -        | 167225  | 17—23    | 123—166 | 221—299  | 23—31   | 163—221 |
| 20 (0.787) | 1.5 (0.059)  | _        | _         |          | 231-314 | 24-32    | 171-231 | 308-417  | 31—43   | 227—307 |
| 22 (0.866) | 1.5 (0.059)  | _        | _         | 1        | 314-423 | 32-43    | 231—312 | 417—564  | 43—58   | 307—416 |
| 24 (0.945) | 1.5 (0.059)  | <u> </u> | _         | ļ        | 475-546 | 41—56    | 298—403 | 536—726  | 55—74   | 396—536 |