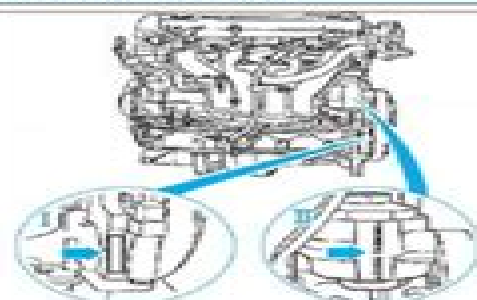


# Motor 2.2i 16v

## CARACTERÍSTICAS GENERALES

| MOTOR                                                         | 2.2i 16v                    |
|---------------------------------------------------------------|-----------------------------|
| Número de cilindros / orden                                   | 4 / 1 en línea              |
| Número de válvulas                                            | 16                          |
| Cilindrada (cm³)                                              | 2198                        |
| Diámetro del cilindro (mm.)                                   | 86,0                        |
| Carera (mm.)                                                  | 94,0                        |
| Potencia kW (hp/gv.)                                          | 110 / 15000                 |
| Par motor (kgm. / kgm.)                                       | 21,5 / 4000                 |
| Compresión                                                    | 12,1                        |
| Norma de emisiones de gases de escape                         | Euro 4                      |
| Régimen de revoluciones (al máx.) AT, MT (min. / máx.) (rpm.) | 600 - 6500                  |
| Régimen máximo de revoluciones (rpm.)                         | 6500                        |
| Separación entre ejes colector de bujes (mm.)                 | 0,8 ± 0,15                  |
| Compresión (pas)                                              | 10 - 20                     |
| Diferencia de presión de compresión (bar)                     | No debe ser de más de 1 bar |
| Pérdida de aceite                                             | No más del 20% por cilindro |
| Juego de válvulas (mm.)                                       | 0                           |
| Designación                                                   | Siemens M514.1              |
| Orden de ensamblaje                                           | 1 - 3 - 4 - 2               |
| Bujes de encendido                                            | Denso 14FGR-80QU7           |

## Identificación del motor



**NOTA.** Antes de montar el motor aligero, el número de motor deberá estamparse en la placa base del bloque motor (flecha 5).

La identificación del motor está estampada sobre el apilamiento en la carcasa del filtro de aceite (sección II de la ilustración).

## Pares de apriete

**NOTA.** 1,0 daN·m = 1,02 Kg·m.

| DESIGNACIÓN                                    | PAR DE APRIETE (daN·m)                                                            |
|------------------------------------------------|-----------------------------------------------------------------------------------|
| Senille                                        | Apretar 15,0 y a continuación 25,0 <sup>2</sup> / 1 <sup>1</sup> / 1 <sup>1</sup> |
| Graco impulsor al original                     | 0,5 ± 20° *                                                                       |
| Válvula EGR en la culata                       | 1,0                                                                               |
| Tuerca de fijación de polo + y - de la batería | 0,4                                                                               |

| DESIGNACIÓN                                                                                    | PAR DE APRIETE (daN·m)                     |
|------------------------------------------------------------------------------------------------|--------------------------------------------|
| Tuerca de fijación del estabilizador de torsión trasero en el cuerpo del eje delantero (RMS)   | 6,0                                        |
| Tuerca de fijación del estabilizador de torsión delantero en el cuerpo del eje delantero (RMS) | 6,0                                        |
| Tuerca de fijación del módulo de la mariposa en el colector de admisión                        | 1,0                                        |
| Tuerca de fijación de la distribución que en la mariposa                                       | 3,0 ± 60° ± 1,5° *                         |
| Tuerca de fijación del tubo de escape delantero en el colector de escape                       | 1,5 *                                      |
| Tuerca de fijación del colector de escape en la culata                                         | 1,2, apretar 30 segundos y otra vez 1,2° * |
| Tuerca de fijación del pedal del acelerador en la parte frontal                                | 0,8                                        |
| Tuerca de fijación de la puerta térmica en la culata                                           | 0,5                                        |
| Tornillo de fijación del péndulo en el tubo de apoyo de la suspensión                          | 8,5° *                                     |
| Tuerca de fijación de la cabeza de la barra de apilamiento en la mariposa                      | 3,5° *                                     |
| Tuerca de fijación del apoyo del catalizador (2-20-HECH)                                       | 4,0                                        |
| Tornillo de fijación del soporte de la batería en el estabilizador                             | 1,0                                        |
| Tornillo de fijación del combustible en la cámara                                              | 1,5                                        |
| Tornillo de fijación del colector del colector en el colector                                  | 0,4                                        |
| Tornillo de fijación del volante de inercia de una masa                                        | 5,3 ± 20° *                                |

# Z19dt Manual

**Larry Warren, John Harold Haynes**



## Z19dt Manual:

**Focus On: 100 Most Popular Compact Cars** Wikipedia contributors, Technical Manual United States Department of the Army,1983 **Soldier's Manual** United States. Department of the Army,1978 *Technical Manual* United States. War Department,1941 **Technical Manual** United States. War Dept,1941 *UAZ Owner's Manual User Guide* Toly Zaychikov,2019-01-24 Book in English All you need to know about UAZ **Operator's Manual** ,1983 Operator's Manual ,1992 **Operator's Manual** ,1991 **Dodge Neon Automotive Repair Manual** Larry Warren,John Harold Haynes,2003 Using a Haynes manual is like having a mechanic in every book Our mechanics and writers work together on the project vehicle to arrive at the best possible procedures for the home mechanic and then photograph the actual work and write instructions so the reader can easily follow along Haynes manuals include procedures for everything from routine maintenance to complete engine overhaul and include wiring diagrams in the back of each book **Technical Manual** United States. War Department,1941 Soldier's Manual United States. Department of the Army,1978 Soldier's Manual United States. Department of the Army,1977 *The Complete WW2 Military Jeep Manual* US Army Staff,2006-04-01 Comprehensive manual containing full information on how to maintain and overhaul the Ford and Willys Jeeps manufactured during WW2 Includes TM9 803 TM9 1803A TM9 1803B etc **War Department Technical Manual** United States. War Department,1940 **Operator's Manual** ,1990 **Technical Manual** ,19?? *Operator's manual, operator controls and PMCS* ,1981 **Soldier's Manual** United States. Department of the Army,1977 **Operator's Manual** ,1989

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