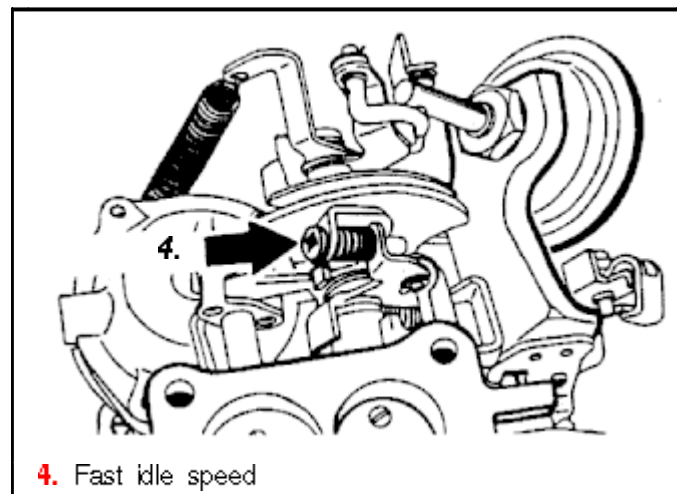
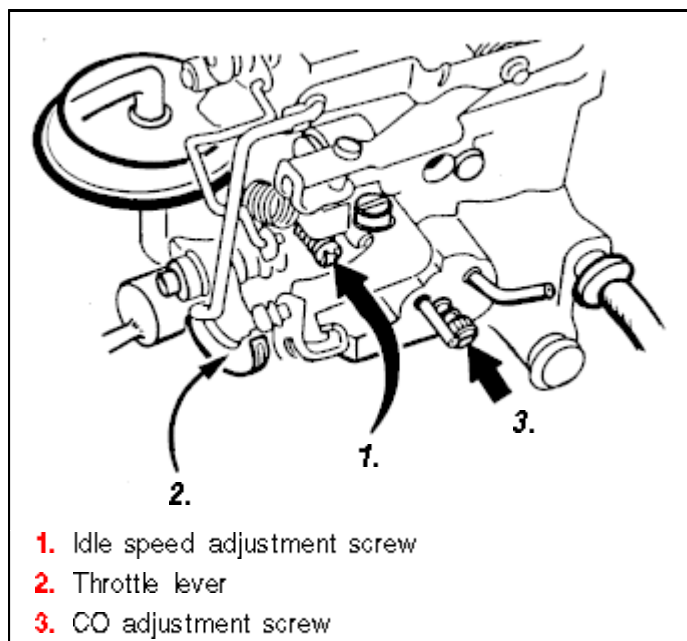
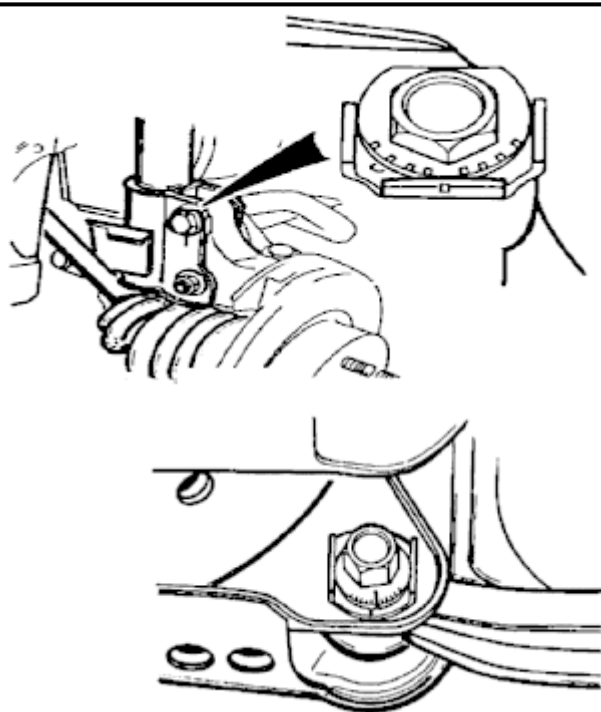


Adjustment data

- Sunny 1.0 and 1.3 (E10S and E13S engines)





Front wheel camber and rear wheel tracking

| | Sunny 1.0 3 door | Sunny 1.3, 3 door van, 5 door station wagon |
|----------------|------------------|---|
| General | | |
| | | Versions with live rear axle |
| Build years | 9/'86-1990 | |
| Version | manual transaxle | |
| Engine lay-out | E 10S | E 13S |
| Engine type | L4 / OHC | |

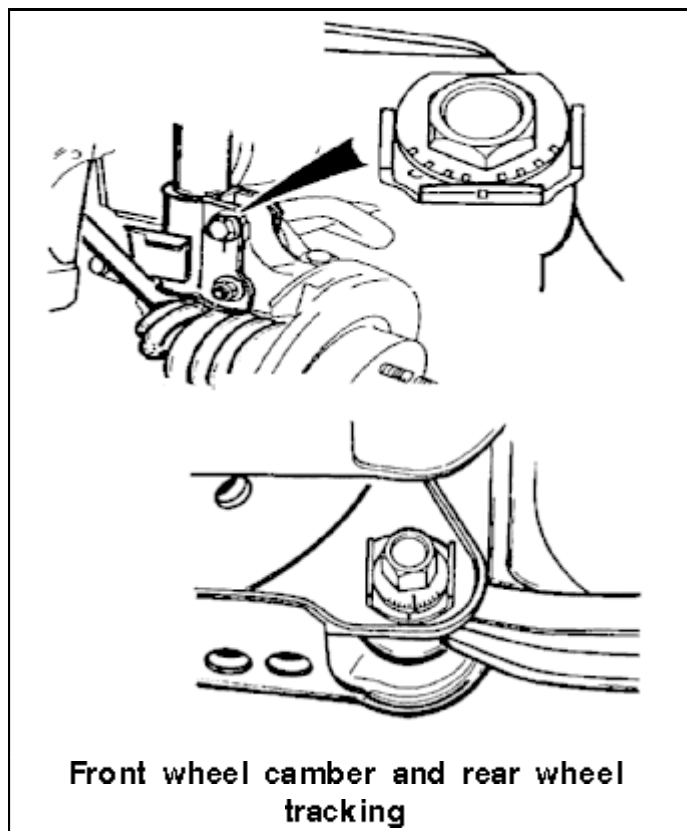
| | | Sunny 1.0 3 door | Sunny 1.3, 3 door van, 5 door station wagon |
|---|-----------------------------|--|--|
| General | | | |
| Cubic capacity | cc | 988 | 1270 |
| compression tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | hot | |
| Inlet valve clearance | mm | 0,28; Cold, inlet and exhaust provisional setting: 0,22 | |
| Exhaust valve clearance | mm | 0,28; Cold, inlet and exhaust provisional setting: 0,22 | |
| Ignition | | | |
| Type | | transistorized | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BPR5ES | |
| Spark plugs - spark plug gap | mm | 0,8-0,9 | |
| Strobosc. ignition timing | °/1/min | 2±2/900±50; Vacuum hose disconnected and blanked off. Value with vacuum hose connected: 15±5/900±50. | 2±2/800±50; Vacuum hose disconnected and blanked off. Value with vacuum hose connected: 12±5/800±50. |
| Centrifugal advance - start | °/1/min | 0/1100 | 0/1360 |
| Centrifugal advance - test | °/1/min | - | 12/2800 |
| Centrifugal advance - end | °/1/min | 20/3200 | 25/5400 |
| Vacuum advance - start | °/mm Hg (x 1,33 =1 mbar) | 0/120 | 0/110 |
| Vacuum advance - test | °/mm Hg (x 1,33 =1 mbar) | 12°12'/260 | 8°30'/230 |

| | | Sunny 1.0 3 door | Sunny 1.3, 3 door van, 5 door station wagon |
|--|------------------------------|---|---|
| Ignition | | | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | 19/370 | 15/350 |
| Fuel system | | | |
| Carburettor(s)/Injection | type | 21 7260-90 | 21 7260-88 |
| Fuel pump pressure/injection pressure | bar | 0,20-0,27/- | |
| Fast idle speed | 1/min | 2200±200 | 2400±200 |
| Idle speed | 1/min | 900±50 | 800±50 |
| CO at idle speed | % | 1,5±0,5 | |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/; Pedal height: 162-172 mm; see illustration under MAINTENANCE. | |
| Wheels and tyres | | | |
| Rim size | | 5Jx13 | |
| Tyre size | | 155SR13 | |
| Tyre pressure, front/rear | bar | 1,8/1,8; Under full load and/or at high speeds: 2,1/2,1. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | mm/° | -0,3 to 0,9/-3' to 9' | 3 - 5/20' - 30' |
| Front wheels - camber | ° | -50' to 40' | -25' to 1°05' |

| | | Sunny 1.0 3 door | Sunny 1.3, 3 door van, 5 door station wagon |
|--|--------|---------------------------------|---|
| Wheel alignment | | | |
| Front wheels - castor | ° | 35'-2°05'; Non adjustable. | 45'-2°15' |
| Front wheels - KPI | ° | 13°05'-14°35'; Non adjustable. | 12°10'-13°40'; Non adjustable. |
| Pos/neg Ackermann, 20° wheel-angle | ° | *1°36'; Non adjustable. | 2°30'; 20° outer wheel-angle |
| Rear wheel alignment | | toe-out | Live axle |
| Rear wheels - tracking | mm/° | 0-2,6/0'-25' | - |
| Rear wheels - camber | ° | -1°45' to -15'; Non adjustable. | - |
| Brake system | | | |
| Construction, front/rear | | disc / drum | |
| Front disc thickness, new / wear limit | mm | 12/10 | |
| Min. front brake pad thickness | mm | 2,0 | |
| Rear drum diameter: new / wear limit | mm | 180/181 | |
| Min. rear lining thickness | mm | 1,5 | |
| Proportioning valve, load sensitive | yes/no | no | |
| Test pressure, front / rear | bar | 24,5/24,5; 35/21 and 45/27. | |
| Parking brake, free play/ working stroke | clicks | 1-2/7-11; Force 200 N. | |
| Electrical system | | | |
| Battery, capacity | Ah | 60 | |
| Alternator power output | W | *840; At 14 V. | |

| | | Sunny 1.0 3 door | Sunny 1.3, 3 door van, 5 door station wagon |
|----------------------------|-----|---|---|
| Electrical system | | | |
| Controlled voltage at 20°C | V | 14,1-14,7 | |
| Primary coil resistance. | Ohm | 1,0-1,3 | |
| Secondary coil resistance | Ohm | 8.400-12.600 | |
| Ballast resistor | Ohm | Air gap between pickup element and rotor: 0,3-0,5 mm. | |
| HT leads resistance | Ohm | max. 30.000 | |

– Sunny 1.3 and 1.6 (E13S and E16S engines) 1986 - 1988



| | Sunny 1.3: 3, 4 and 5 door | Sunny 1.6: 3, 4 and 5 door |
|----------------|--|----------------------------|
| General | | |
| Build years | 9 / '86 - 9 / '88 | |
| Version | manual transaxle / automatic transaxle | |
| Engine lay-out | E 13S | E 16S |

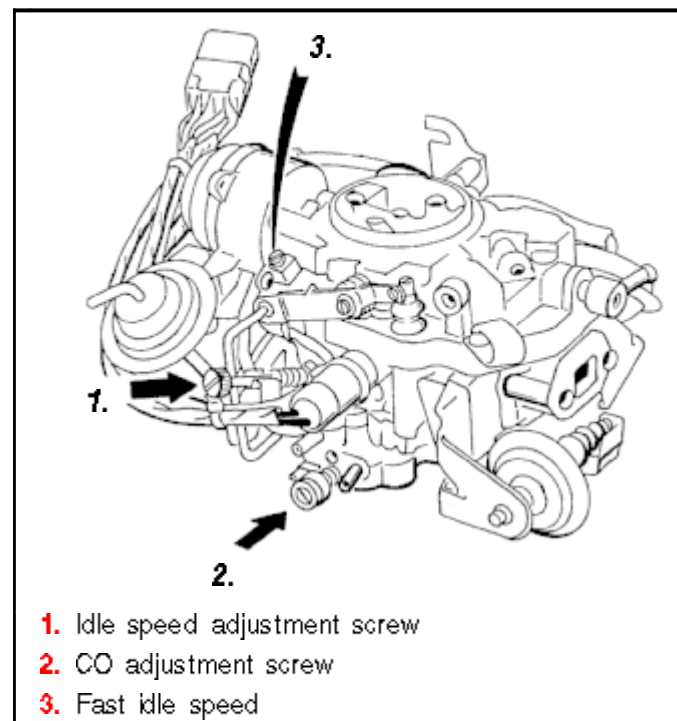
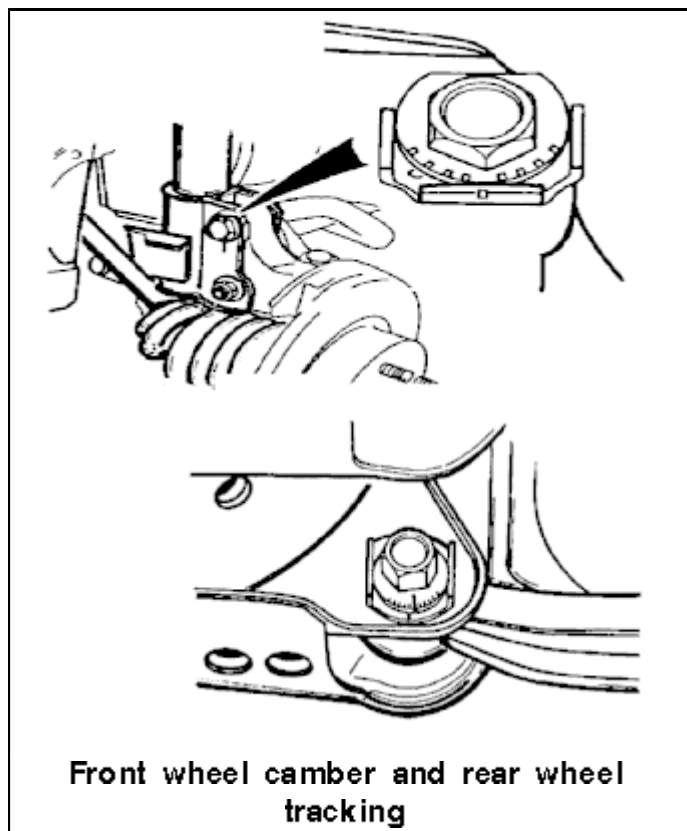
| | | Sunny 1.3: 3, 4 and 5 door | Sunny 1.6: 3, 4 and 5 door |
|-----------------------------------|---------|--|--|
| General | | | |
| Engine type | | L4 / OHC | |
| Cubic capacity | cc | 1270 | 1597 |
| Compression normal/wear limit | bar | 12,5 / 9,8 | 13,4 / 10,8 |
| tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | hot | |
| Inlet valve clearance | mm | 0,28; Cold, inlet and exhaust provisional setting: 0,22 | |
| Exhaust valve clearance | mm | 0,28; Cold, inlet and exhaust provisional setting: 0,22 | |
| Ignition | | | |
| Type | | transistorized | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BPR5ES | BPR6ES |
| Spark plugs - spark plug gap | mm | 0,8 - 0,9 | |
| Strobosc. ignition timing | °/1/min | 2 ± 2/800 ± 50; Vacuum hose disconnected and blanked off. Value with vacuum hose connected: 12 ± 5/800 ± 50. With automatic transmission: Given value at 850/min or 950 ± 50/min with power steering | 4 ± 2/800 ± 50; Valid for vacuum hose disconnected or connected. With automatic transmission: Given value at 850 ± 50/min or, with power steering, 950 ± 50/min. |
| Centrifugal advance - start | °/1/min | 0/1360 | |
| Centrifugal advance - test | °/1/min | 12/2800 | |

| | | Sunny 1.3: 3, 4 and 5 door | Sunny 1.6: 3, 4 and 5 door |
|--|------------------------------|--|--|
| Ignition | | | |
| Centrifugal advance - end | °/1/min | 25/5400 | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | 0/110 | |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | 8° 30' / 230 | 4° 45' / 170 |
| Vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | 15 / 350 | 10 / 250 |
| Fuel system | | | |
| Carburettor(s) | make | Hitachi | |
| Injection | make | - | |
| Carburettor(s)/Injection | type | 21 7260-88 | DCZ 328 - 31 |
| Fuel pump pressure/injection pressure | bar | 0,20 - 0,27/-; On versions with automatic transmission (electric fuel pump): 0,18-0,24/- | |
| Fast idle speed | 1/min | 2400 ± 200; With automatic transmission: 2600 ± 200 | 2400 ± 200; With automatic transmission: 2800 ± 200. |
| Idle speed | 1/min | 800 ± 50; For automatic transmission: 950 ± 50. | |
| CO at idle speed | % | 1,5 ± 0,5 | |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/ Pedal height: 162-172 mm, see illustration under MAINTENANCE | |
| Wheels and tyres | | | |
| Rim size | | 5Jx13 | |

| | | Sunny 1.3: 3, 4 and 5 door | Sunny 1.6: 3, 4 and 5 door |
|--|--|---|-------------------------------------|
| Wheels and tyres | | | |
| Tyre size | | 155SR13; On SGX models: tyre size 175/70R13. | |
| Tyre pressure, front/rear | | bar 1,8/1,8; Under full load and/or high speeds: 2,1/2,1; 175/70R: 2,0/2,0. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | | mm/° -0,3 to 0,9/-3 to 9' | |
| Front wheels - camber | | ° -50' to 40' | |
| Front wheels - castor | | ° 35'-2°05'; Non adjustable. | |
| Front wheels - KPI | | ° 13°05'-14°35'; Non adjustable. | |
| Pos/neg Ackermann, 20° wheel-angle | | ° 1°36'; 20° outer wheel-angle | |
| Rear wheel alignment | | toe-out | |
| Rear wheels - tracking | | mm/° 0-2,6/0'-25' | |
| Rear wheels - camber | | ° -1°45' to -15'; Non adjustable. | |
| Brake system | | | |
| Construction, front/rear | | disc / drum | |
| Front disc thickness, new / wear limit | | mm 12/10 | 12/10; With ventilated disc: 18/16. |
| Min. front brake pad thickness | | mm 2 | |
| Rear drum diameter: new / wear limit | | mm 180/181 | |
| Min. rear lining thickness | | mm 1,5 | |
| Proportioning valve, load sensitive | | yes/no | no |

| | | Sunny 1.3: 3, 4 and 5 door | Sunny 1.6: 3, 4 and 5 door |
|---|--------|---|--|
| Brake system | | | |
| Test pressure, front / rear | bar | 24,5/24,5; 35/21 and 45/27 | 24,5/24,5; 35/21 and 45/27. With ventilated discs: 14,7/14,7 and 30/18 and 45/27 |
| Parking brake, free play/working stroke | clicks | 1-2/7-11; Force 200 N | |
| Electrical system | | | |
| Battery capacity | Ah | 60 | |
| Alternator power output | W | 840; At 14 V. | |
| Controlled voltage at 20°C | V | 14,1 - 14,7 | |
| Primary coil resistance. | Ohm | 1,0-1,3 | |
| Secondary coil resistance | Ohm | 8.400-12.600 | |
| Ballast resistor | Ohm | Air gap between pickup element and rotor: 0,3-0,5 | |
| HT leads resistance | Ohm | max. 30.000 | |

– Sunny 1.4 (GA14S engine) 1988 – 1990



| | Sunny 1.4 CAT; 3, 4 and 5 door | Sunny 1.4; 3, 4 and 5 door |
|----------------|--------------------------------|--|
| General | | |
| Build years | 10/'88-1990 | |
| Version | manual transaxle | manual transaxle / automatic transaxle |
| Engine type | GA 14S (CAT) | GA 14S |

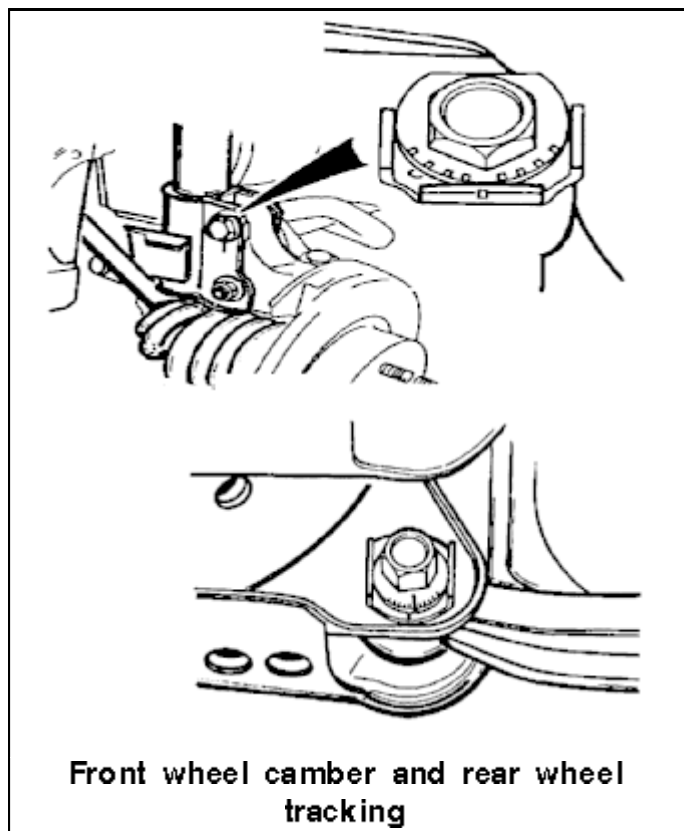
| | | Sunny 1.4 CAT; 3, 4 and 5 door | Sunny 1.4; 3, 4 and 5 door |
|-----------------------------------|---------|--|----------------------------|
| General | | | |
| Engine lay-out | | L4 / OHC | |
| Cubic capacity | cc | 1392 | |
| Compression normal/wear limit | bar | 13,0/11,1 | |
| tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | hot | |
| Inlet valve clearance | mm | 0,20-0,30; Cold, provisional setting: inlet 0,15; exhaust 0,20. | |
| Exhaust valve clearance | mm | 0,25-0,35; Cold, provisional setting: inlet 0,15; exhaust 0,20. | |
| Ignition | | | |
| Type | | transistorized | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BCPR6ES | |
| Spark plugs - spark plug gap | mm | 0,8-0,9 | |
| Strobosc. ignition timing | °/1/min | 2±2/800±50; After TDC.; vacuum hose disconnected and blanked off. Value with vacuum hose connected: 4±5/800±50 before TDC, Automatic transmission: Given values at 850±50/min. | |
| Centrifugal advance - start | °/1/min | 0-1/1150 | |
| Centrifugal advance - test | °/1/min | 14°36'-17,5/2850 | |
| Centrifugal advance - end | °/1/min | 28-32/5600 | |

| | | Sunny 1.4 CAT; 3, 4 and 5 door | Sunny 1.4; 3, 4 and 5 door |
|---------------------------------------|------------------------------|---|---|
| Ignition | | | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | 0-1/96; At a coolant temperature of less than 20 °C is valid: 0-1/32-50 8-12/73-550 | 0-1/98; At a coolant temperature of less than 20 °C is valid: 0-1/32-50 8-12/73-550 |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | 14°24'-18°24'/250; At a coolant temperature of less than 20 °C is valid: 0-1/32-50 8-12/73-550 | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | 29-31/420; At a coolant temperature of less than 20 °C is valid: 0-1/32-50 8-12/73-550 | 27-29/450; At a coolant temperature of less than 20 °C is valid: 0-1/32-50 8-12/73-550 |
| Fuel system | | | |
| Carburettor(s)/Injection | type | 21 L282-07 | 21 L282-05; With automatic transmission: 21 L282-06. |
| Fuel pump pressure/injection pressure | bar | 0,21-0,34/- | |
| Fast idle speed | 1/min | 2700±200 | 2700±200; With automatic transmission in N": 3400±200. |
| Idle speed | 1/min | 800±50 | 800±50; With automatic transmission in N": 850±50. |
| CO at idle speed | % | 1,5±0,5; Measured before the catalytic converter. Pulse air system hose disconnected from the exhaust manifold and blanked off. | 1,5±0,5 |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |

| | | Sunny 1.4 CAT; 3, 4 and 5 door | Sunny 1.4; 3, 4 and 5 door |
|--|------|--|----------------------------|
| Clutch | | | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/ Pedal height: 162-172 mm; see illustration under MAINTENANCE. | |
| Wheels and tyres | | | |
| Rim size | | 5Jx13 | |
| Tyre size | | 155SR13 | |
| Tyre pressure, front/rear | bar | 1,8/1,8; Under full load and/or high speeds: 2,1/2,1. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | mm/° | -0,3 to 0,9/-3 to 9' | |
| Front wheels - camber | ° | -50' to 40' | |
| Front wheels - castor | ° | 35'-2°05'; Non adjustable. | |
| Front wheels - KPI | ° | 13°05'-14°35'; Non adjustable. | |
| Pos/neg Ackermann, 20° wheel-angle | ° | *1°36'; 20° outer wheel-angle | |
| Rear wheel alignment | | toe-out | |
| Rear wheels - tracking | mm/° | 0-2,6/0'-25' | |
| Rear wheels - camber | ° | -1°45' to -15'; Non adjustable. | |
| Brake system | | | |
| Construction, front/rear | | disc / drum | |
| Front disc thickness, new / wear limit | mm | 12/10 | |
| Min. front brake pad thickness | mm | 2,0 | |

| | | Sunny 1.4 CAT; 3, 4 and 5 door | Sunny 1.4; 3, 4 and 5 door |
|--|--------|---|----------------------------|
| Brake system | | | |
| Rear drum diameter: new / wear limit | mm | 180/181 | |
| Min. rear lining thickness | mm | 1,5 | |
| Proportioning valve, load sensitive | yes/no | no | |
| Test pressure, front / rear | bar | 24,5/24,5; 35/21 and 45/27 | |
| Parking brake, free play/ working stroke | clicks | 1-2/7-11; Force 200 N. | |
| Electrical system | | | |
| Battery, capacity | Ah | 60 | |
| Alternator power output | W | 910; At 14 V. | |
| Controlled voltage at 20°C | V | 14,1-14,7 | 14,1-14,71 |
| Primary coil resistance. | Ohm | 1,0-1,3 | |
| Secondary coil resistance | Ohm | 8.400-12.600 | |
| Ballast resistor | Ohm | Air gap between pickup element and rotor: 0,3-0,5 mm. | |
| HT leads resistance | Ohm | max. 30.000 | |

– **Sunny 1.6 (GA16S engine)**
1988 – 1990



| | Sunny 1.6; 3, 4 and 5 door | Sunny 1.6; 3 door Coupé |
|----------------|--|-------------------------|
| General | | |
| Build years | 10/'88-1990 | |
| Version | manual transaxle / automatic transaxle | |
| Engine type | GA 16S | |

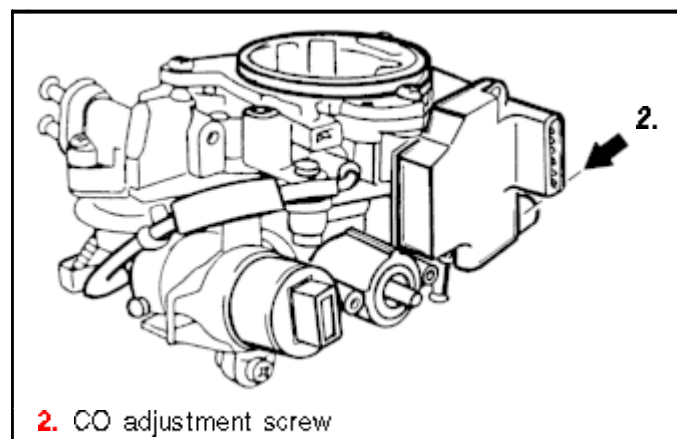
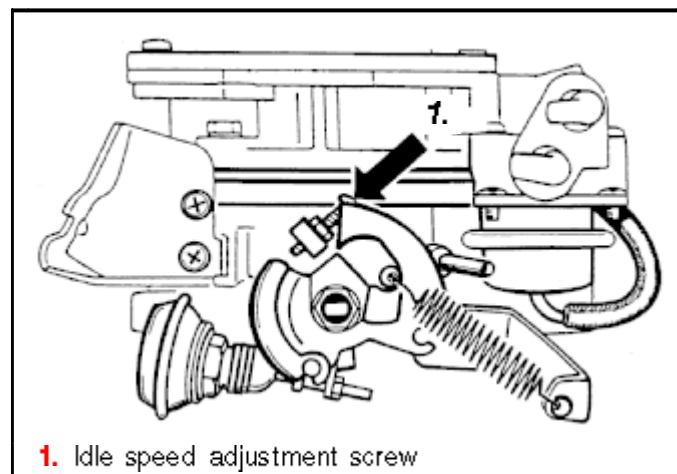
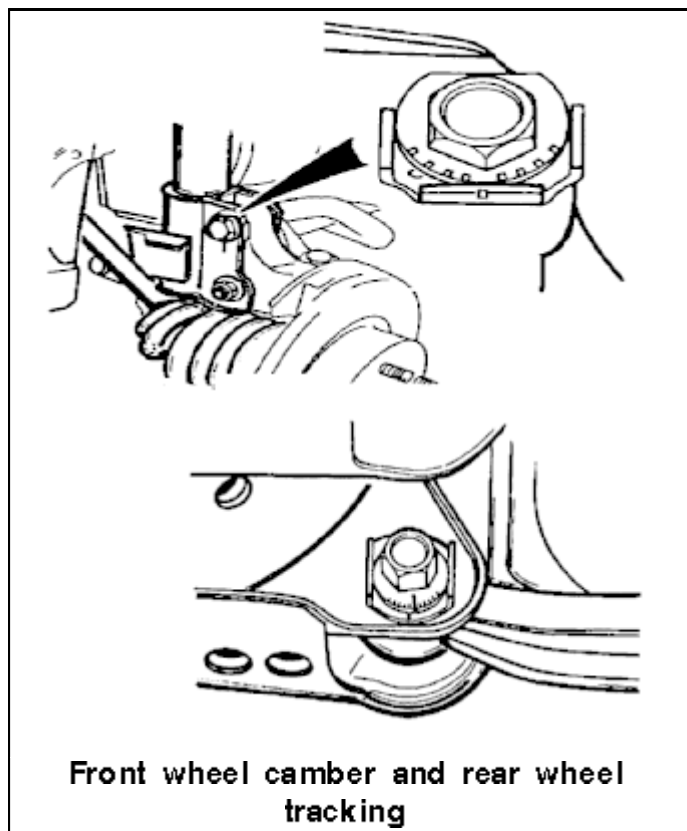
| | | Sunny 1.6; 3, 4 and 5 door | Sunny 1.6; 3 door Coupé |
|-----------------------------------|---------------------------|--|-------------------------|
| General | | | |
| Engine lay-out | | L4 / OHC | |
| Cubic capacity | cc | 1597 | |
| Compression normal/wear limit | bar | 13,7/11,8 | |
| tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | n.a. hydraulic | |
| Inlet valve clearance | mm | 0 | |
| Exhaust valve clearance | mm | 0 | |
| Ignition | | | |
| Type | | transistorized | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BCPR6ES | |
| Spark plugs - spark plug gap | mm | 0,8-0,9 | |
| Strobosc. ignition timing | °/1/min | 0±2/850±50; Vacuum hose disconnected and blanked off. Value with vacuum hose connected: 6±5/850±50. Automatic transmission: Given values at 900/min. | |
| Centrifugal advance - start | °/1/min | 0-1/900 | |
| Centrifugal advance - test | °/1/min | 20°36'-23°24'/2400 | |
| Centrifugal advance - end | °/1/min | 28-32/4400 | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | 0-1/96; At a coolant temperature of less than 20 °C is valid: 0-1/32-50, 8-12/73-550 | |

| | | Sunny 1.6; 3, 4 and 5 door | Sunny 1.6; 3 door Coupé |
|--|------------------------------|---|-------------------------|
| Ignition | | | |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | 7°48'-11°48'/200; At a coolant temperature of less than 20 °C is valid: 0-1/32-50, 8-12/73-550 | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | 18-20/320; At a coolant temperature of less than 20 °C is valid: 0-1/32-50, 8-12/73-550 | |
| Fuel system | | | |
| Carburettor(s)/Injection | type | 21 L304-03; With automatic transmission: 21 L304-04. | |
| Fuel pump pressure/injection pressure | bar | 0,21-0,34/- | |
| Fast idle speed | 1/min | 2700±200; With automatic transmission in N": 3100±200. | |
| Idle speed | 1/min | 850±50; With automatic transmission in N": 900±50. | |
| CO at idle speed | % | 1,5±0,5 | |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/Pedal height: 162-172 mm; see illustration under MAINTENANCE. | |
| Wheels and tyres | | | |
| Rim size | | 5Jx13 | |
| Tyre size | | 155SR13; On SGX models: 175/70R13. | |
| Tyre pressure, front/rear | bar | 1,8/1,8; Under full load and/or high speeds: 2,1/2,1; 175/70R13: 2,0/2,0. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | mm/° | -0,3 to 0,9/-3' to 9' | |

| | | Sunny 1.6; 3, 4 and 5 door | Sunny 1.6; 3 door Coupé |
|--|--------|--|----------------------------------|
| Wheel alignment | | | |
| Front wheels - camber | ° | -50' to 40' | -1°05' to 25' |
| Front wheels - castor | ° | 35'-2°05'; Non adjustable. | 45'-2°15'; Non adjustable. |
| Front wheels - KPI | ° | 13°05'-14°35'; Non adjustable. | 13°25'-14°55'; Non adjustable. |
| Pos/neg Ackermann, 20° wheel-angle | ° | 1°36'; 20° outer wheel-angle. | |
| Rear wheel alignment | | toe-out | |
| Rear wheels - tracking | mm/° | 0-2,6/0'-25' | -0,3 to 2,1/-3' to 21' |
| Rear wheels - camber | ° | -1°45' to -15'; Non adjustable. | *-1°55' to -25'; Non adjustable. |
| Brake system | | | |
| Construction, front/rear | | disc / drum | |
| Front disc thickness, new / wear limit | mm | 12/10; With ventilated discs: 18/16 | |
| Min. front brake pad thickness | mm | 2,0 | |
| Rear drum diameter: new / wear limit | mm | 180/181 | |
| Min. rear lining thickness | mm | 1,5 | |
| Proportioning valve, load sensitive | yes/no | no | |
| Test pressure, front / rear | bar | 34,3/34,3; 45/36 and 60/48. With ventilated discs: 14,7/14,7 and 30/18 and 45/27 | |
| Parking brake, free play/ working stroke | clicks | 1-2/7-11; Force 200 N. | |
| Electrical system | | | |
| Battery, capacity | Ah | 60 | |

| | | Sunny 1.6; 3, 4 and 5 door | Sunny 1.6; 3 door Coupé |
|----------------------------|-----|---|-------------------------|
| Electrical system | | | |
| Alternator power output | W | 910; At 14 V. | |
| Controlled voltage at 20°C | V | 14,1-14,7 | |
| Primary coil resistance. | Ohm | 1,0-1,3 | |
| Secondary coil resistance | Ohm | 8.400-12.600 | |
| Ballast resistor | Ohm | Air gap between pickup element and rotor: 0,3-0,5 mm. | |
| HT leads resistance | Ohm | max. 3.0000 | |

– Sunny 1.6 (E16i engine) 1986 – 1988



| | Sunny 1.6; 3, 4 and 5 door (E16i engine) | Sunny 1.6; 3 door coupé (E16i engine) |
|----------------|---|--|
| General | | |
| Build years | 9/'86–9/'88 | |
| Version | manual transaxle | |

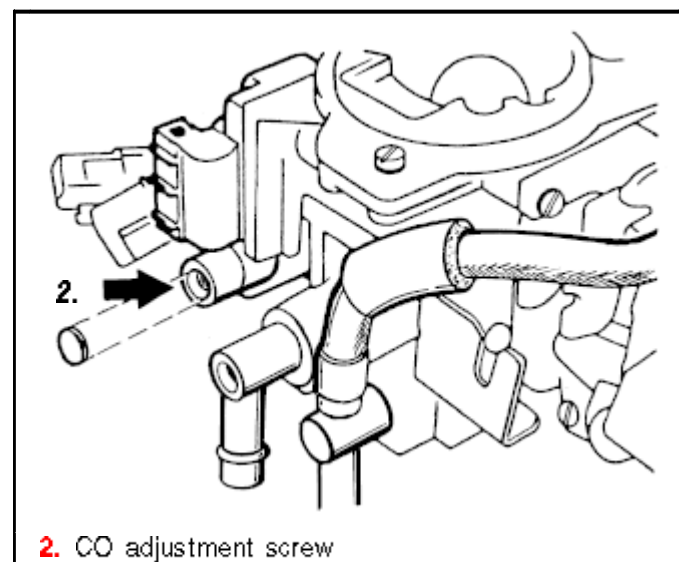
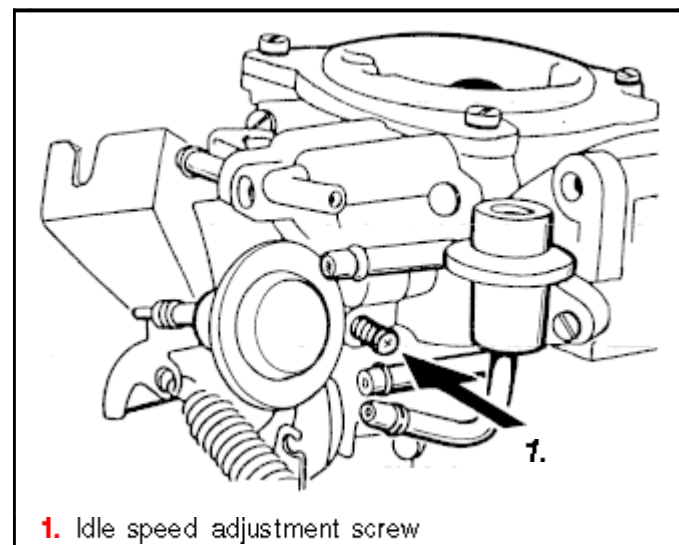
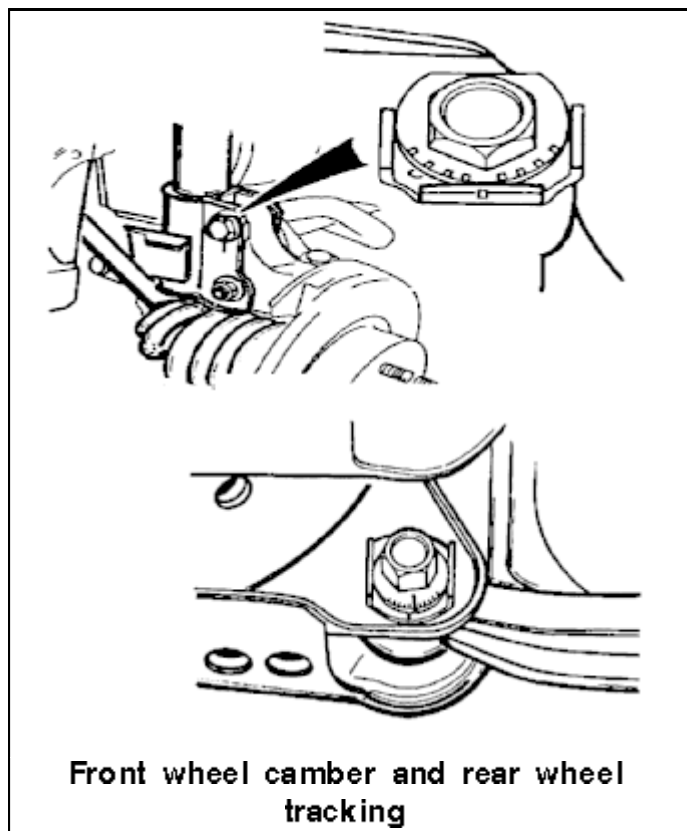
| | | Sunny 1.6; 3, 4 and 5 door (E16i engine) | Sunny 1.6; 3 door coupé (E16i engine) |
|-----------------------------------|---------|---|--|
| General | | | |
| Engine type | | E 16i (CAT) | |
| Engine lay-out | | L4 / OHC | |
| Cubic capacity | cc | 1597 | |
| Compression normal/wear limit | bar | 12,5/9,8 | |
| tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | hot | |
| Inlet valve clearance | mm | 0,28; Cold, provisional setting: Inlet and exhaust 0,22. | |
| Exhaust valve clearance | mm | 0,28; Cold, provisional setting: Inlet and exhaust 0,22. | |
| Ignition | | | |
| Type | | engine management | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BPR5ES-11 | |
| Spark plugs - spark plug gap | mm | 1,0-1,1 | |
| Strobosc. ignition timing | °/1/min | 7/800 ± 100; Throttle valve position sensor disconnected (red, white and black wires). Value with connector connected: 7±5/800±100. | |
| Centrifugal advance - start | °/1/min | computer controlled | |
| Centrifugal advance - test | °/1/min | computer controlled | |
| Centrifugal advance - end | °/1/min | computer controlled | |

| | | Sunny 1.6; 3, 4 and 5 door (E16i engine) | Sunny 1.6; 3 door coupé (E16i engine) |
|---------------------------------------|------------------------------|--|--|
| Ignition | | | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum retard - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum retard - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Fuel system | | | |
| Carburettor(s)/Injection | type | E.C.C.S. | |
| Fuel pump pressure/injection pressure | bar | 0,98/0,98 | |
| Fast idle speed | 1/min | 2400 ± 200 | |
| Idle speed | 1/min | 800 ± 100; 750/min with throttle valve position sensor disconnected | |
| CO at idle speed | % | 3,0-10,0; Oxygen sensor connector and air induction solenoid valve connector disconnected; air induction hose disconnected and blanked off; a 2500 Ohm resistance connected instead of the coolant temperature sensor. CO test using the electronic control unit self diagnostic system, see TECHNICAL under Engine management system E16i". | |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |

| | | Sunny 1.6; 3, 4 and 5 door (E16i engine) | Sunny 1.6; 3 door coupé (E16i engine) |
|--|------|---|--|
| Clutch | | | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/Pedal height: 162-172 mm; see illustration under MAINTENANCE. | |
| Wheels and tyres | | | |
| Rim size | | 5Jx13 | |
| Tyre size | | 155SR13 | |
| Tyre pressure, front/rear | bar | 1,8/1,8; Under full load and/or high speeds: 2,1/2,1. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | mm/° | -0,3 to 0,9/-3 to 9' | |
| Front wheels - camber | ° | -50' to 40' | -1°05 to 25' |
| Front wheels - castor | ° | 35'-2°05'; Non adjustable. | 45'-2°15'; Non adjustable. |
| Front wheels - KPI | ° | 13°05'-14°35'; Non adjustable. | 13°25'-14°55'; Non adjustable. |
| Pos/neg Ackermann, 20° wheel-angle | ° | 1°36'; 20° outer wheel-angle. | |
| Rear wheel alignment | | toe-out | |
| Rear wheels - tracking | mm/° | 0-2,6/0'-25' | -0,3 to 2,1/-3' to 21' |
| Rear wheels - camber | ° | -1°45' to -15'; Non adjustable. | -1°55' to -25'; Non adjustable. |
| Brake system | | | |
| Construction, front/rear | | disc / drum | |
| Front disc thickness, new / wear limit | mm | 12/10; With ventilated discs: 18/16 | |

| | | Sunny 1.6; 3, 4 and 5 door (E16i engine) | Sunny 1.6; 3 door coupé (E16i engine) |
|---|--------|---|--|
| Brake system | | | |
| Min. front brake pad thick- ness | mm | 2,0 | |
| Rear drum diameter: new / wear limit | mm | 180/181 | |
| Min. rear lining thickness | mm | 1,5 | |
| Proportioning valve, load sensitive | yes/no | no | |
| Test pressure, front / rear | bar | 34,3/34,3; 45/36 and 60/48. With ventilated discs: 14,7/14,7 and 30/18 and 45/27. | |
| Parking brake, free play/ working stroke | clicks | 1-2/7-11; Force 200 N. | |
| Electrical system | | | |
| Battery, capacity | Ah | 60 | |
| Alternator power output | W | 840; At 14 V. | |
| Controlled voltage at 20°C | V | 14,1-14,7 | |
| Primary coil resistance. | Ohm | 0,8-1,0 | |
| Secondary coil resistance | Ohm | 7600-11400 | |
| HT leads resistance | Ohm | max. 30000 | |

– Sunny 1.6 (GA16i engine)
1988 – 1990

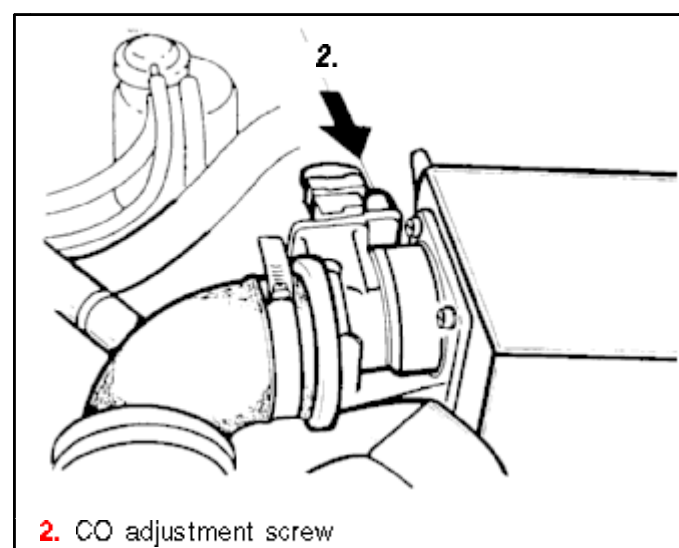
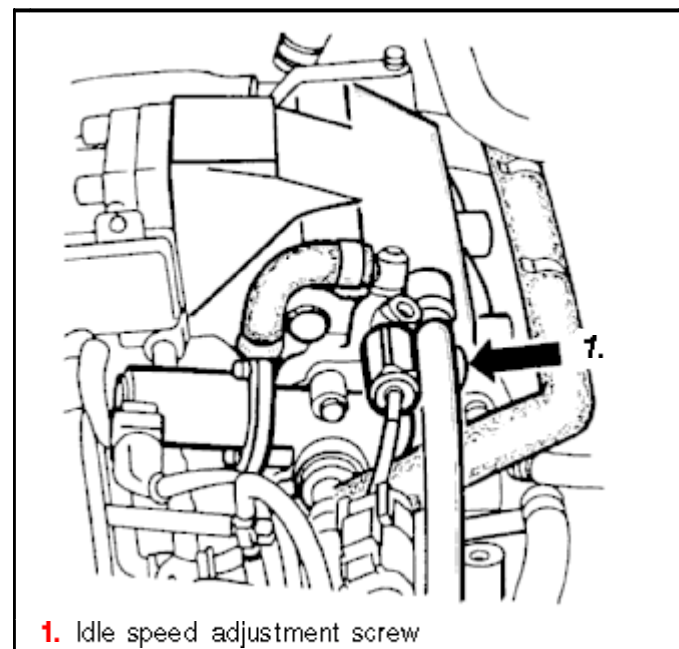
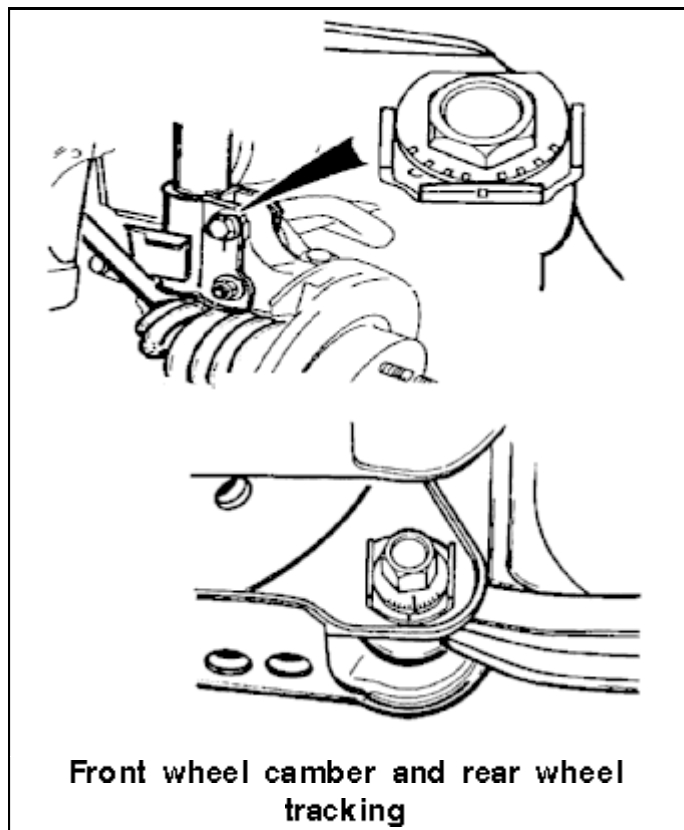


| | | Sunny 1.6; 3, 4 and 5 door (GA16i engine) | Sunny 1.6; 3 door coupé (GA16i engine) |
|-----------------------------------|---------|--|---|
| General | | | |
| Build years | | 10/88-1990 | |
| Version | | manual transaxle / automatic transaxle | manual |
| Engine type | | GA 16i (CAT) | |
| Engine type | | L4 / OHC | |
| Cubic capacity | cc | 1597 | |
| Compression normal/wear limit | bar | 13,0/11,1 | |
| tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | n.a. hydraulic | |
| Inlet valve clearance | mm | 0 | |
| Exhaust valve clearance | mm | 0 | |
| Ignition | | | |
| Type | | engine management | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BCPR6ES-11 | |
| Spark plugs - spark plug gap | mm | 1,0-1,1 | |
| Strobosc. ignition timing | °/1/min | 7/850±100; With all ancillaries switched off and with throttle valve position sensor disconnected (1x black, 2x white wire). Value with connector connected: 7±5/850±100. Automatic transmission: Given values at 900/min. | |

| | | Sunny 1.6; 3, 4 and 5 door (GA16i engine) | Sunny 1.6; 3 door coupé (GA16i engine) |
|---------------------------------------|------------------------------|--|---|
| Ignition | | | |
| Centrifugal advance - start | °/1/min | computer controlled | |
| Centrifugal advance - test | °/1/min | computer controlled | |
| Centrifugal advance - end | °/1/min | computer controlled | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum retard - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum retard - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Fuel system | | | |
| Carburettor(s)/Injection | type | E.C.C.S. | |
| Fuel pump pressure/injection pressure | bar | 2,35/2,35 | |
| Fast idle speed | 1/min | 1500; Coolant temperature less than -10 °C. With automatic transmission in N": 1800, with a coolant temperature of less than 0 °C. | |
| Idle speed | 1/min | 850±100; With automatic transmission in N": 900±100. | 850±100 |

| | | Sunny 1.6; 3, 4 and 5 door (GA16i engine) | Sunny 1.6; 3 door coupé (GA16i engine) |
|--|------|---|---|
| Fuel system | | | |
| CO at idle speed | % | 3,0-10,0; Throttle switch connector and oxygen sensor disconnected and a 2500 Ohm resistance connected instead of the coolant temperature sensor. CO test using the electronic control unit self diagnostic system, see TECHNICAL under engine management system GA 16i". | |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/Pedal height: 162-172 mm; see illustration under MAINTENANCE. | |
| Wheels and tyres | | | |
| Rim size | | 5Jx13 | 5Jx13 |
| Tyre size | | 155SR13; On SGX models: 175/70R13. | |
| Tyre pressure, front/rear | bar | 1,8/1,8; Under full load and/or high speeds: 2,1/2,1; 175/70R13: 2,0/2,0. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | mm/° | -0,3 to 0,9/-3 to 9' | |
| Front wheels - camber | ° | -50' to 40' | -1°05' to 25' |
| Front wheels - castor | ° | 35'-2°05'; Non adjustable. | 45'-2°15'; Non adjustable. |
| Front wheels - KPI | ° | 13°05'-14°35'; Non adjustable. | 13°25'-14°55'; Non adjustable. |
| Pos/neg Ackermann, 20° wheel-angle | ° | 1°36'; 20° outer wheel-angle. | |
| Rear wheel alignment | | toe-out | |

| | | Sunny 1.6; 3, 4 and 5 door (GA16i engine) | Sunny 1.6; 3 door coupé (GA16i engine) |
|--|--------|---|---|
| Wheel alignment | | | |
| Rear wheels - tracking | mm/° | 0-2,6/0'-25' | -0,3 to 2,1/-3' to 21' |
| Rear wheels - camber | ° | -1°45' to -15'; Non adjustable. | -1°55' to -25'; Non adjustable. |
| Brake system | | | |
| Construction, front/rear | | disc / drum | |
| Front disc thickness, new / wear limit | mm | 12/10; With ventilated discs: 18/16 | |
| Min. front brake pad thickness | mm | 2,0 | |
| Rear drum diameter: new / wear limit | mm | 180/181 | |
| Min. rear lining thickness | mm | 1,5 | |
| Proportioning valve, load sensitive | yes/no | no | |
| Test pressure, front / rear | bar | 34,3/34,3; 45/36 and 60/48. With ventilated discs: 14,7/14,7 and 30/18 and 45/27. | |
| Parking brake, free play/ working stroke | clicks | 1-2/*7-11; Force 200 N | |
| Electrical system | | | |
| Battery, capacity | Ah | 60 | |
| Alternator power output | W | 910; At 14 V. | |
| Controlled voltage at 20°C | V | 14,1-14,7 | |
| Primary coil resistance. | Ohm | 0,81-0,99 | |
| Secondary coil resistance | Ohm | 8.200-1.2400 | |
| HT leads resistance | Ohm | max. 30.000 | |

- Sunny 1.6 GTi 16V 1987 - 1988

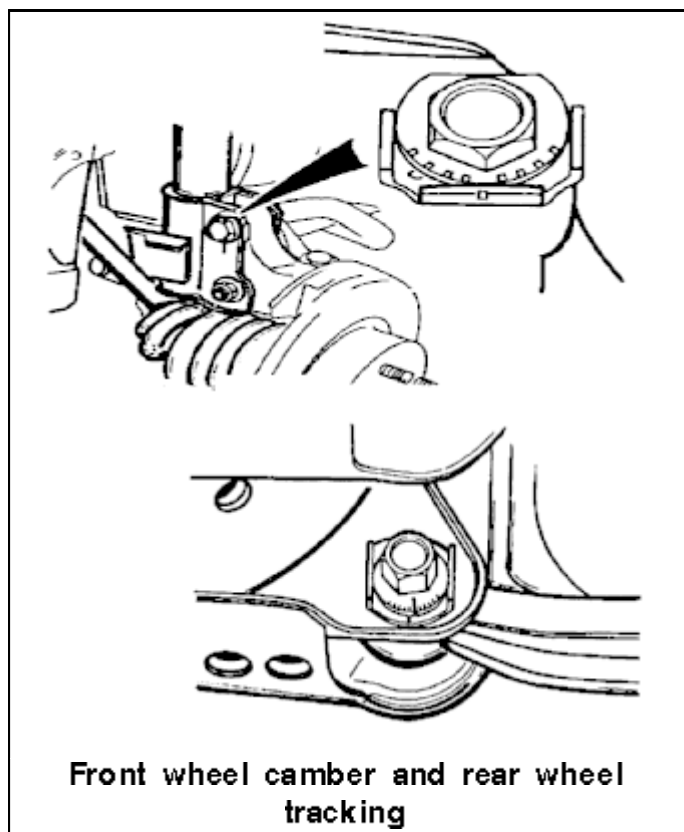
| | | 1.6 GTi 16V; 3 door. hatchback | 1.6 GTi 16V; 3 door. coupé |
|-----------------------------------|---------|---|----------------------------|
| General | | | |
| Build years | | 1987-9/'88 | |
| Version | | manual transaxle | |
| Engine type | | CA 16DE | |
| Engine lay-out | | L4/DOHC | |
| Cubic capacity | cc | 1598 | |
| Compression normal/wear limit | bar | 13,7/11,7 | |
| tolerance between cylinders, max. | bar | 1,0 | |
| Valves | | | |
| Engine condition for adjustments | | n.a. hydraulic | |
| Inlet valve clearance | mm | 0 | |
| Exhaust valve clearance | mm | 0 | |
| Ignition | | | |
| Type | | engine management | |
| Spark plugs, make | | NGK | |
| Spark plugs, type | | BCPR6ES-11 | |
| Spark plugs - spark plug gap | mm | 1,0-1,1 | |
| Strobosc. ignition timing | °/1/min | 15 ± 2/800±50; Adjust by turning the crankshaft position sensor, located on the front of the RH camshaft. | |
| Centrifugal advance - start | °/1/min | computer controlled | |
| Centrifugal advance - test | °/1/min | computer controlled | |

| | | 1.6 GTi 16V; 3 door. hatchback | 1.6 GTi 16V; 3 door. coupé |
|--|------------------------------|--|----------------------------|
| Ignition | | | |
| Centrifugal advance - end | °/1/min | computer controlled | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum retard - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Vacuum retard - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | |
| Fuel system | | | |
| Carburettor(s)/Injection | type | E.C.C.S. | |
| Fuel pump pressure/injection pressure | bar | 2,50/2,50 | |
| Idle speed | 1/min | 800 ± 50 | |
| CO at idle speed | % | 2,0 | |
| Clutch | | | |
| Version | | mechanical | |
| Self-adjusting | | no | |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/Pedal height: 162 - 172 mm; see illustration under MAINTENANCE | |
| Wheels and tyres | | | |
| Rim size | | 5,5JJx14 | |

| | | 1.6 GTi 16V; 3 door. hatchback | 1.6 GTi 16V; 3 door. coupé |
|--|--|---|---------------------------------|
| Wheels and tyres | | | |
| Tyre size | | 185/60R14 82H | |
| Tyre pressure, front/rear | | bar 1,9/1,9; Under full load and/or high speeds: 2,2/2,2. | |
| Wheel alignment | | | |
| Vehicle ballast | | Tank full | |
| Front wheel alignment | | toe-in | |
| Front wheels - tracking | | mm/° -0,35 to 1,0/-3' to 9'-0,35 to 1,0/-3' to 9' | |
| Front wheels - camber | | ° -1°05 to 25' | |
| Front wheels - castor | | ° 55'-2°25'; Non adjustable. | |
| Front wheels - KPI | | ° 13°05'-14°35'; Non adjustable. | |
| Pos/neg Ackermann, 20° wheel-angle | | ° 2°24'; 40/32 and 60/48. | |
| Rear wheel alignment | | toe-out | |
| Rear wheels - tracking | | mm/° 0-2,8/0'-25' | -0,45 - 2,25/-4' - 20' |
| Rear wheels - camber | | ° -1°45' to -15'; Non adjustable. | -1°55' to -25'; Non adjustable. |
| Brake system | | | |
| Construction, front/rear | | disc / disc | disc / drum |
| Front disc thickness, new / wear limit | | mm 18/16 | |
| Min. front brake pad thickness | | mm 2 | |
| Rear disc thickness, new / wear limit | | mm 10/9 | |
| Min. rear brake pad thickness | | mm 2 | |

| | | 1.6 GTi 16V; 3 door. hatchback | 1.6 GTi 16V; 3 door. coupé |
|---|--------|--|----------------------------|
| Brake system | | | |
| Proportioning valve, load sensitive | yes/no | no | |
| Test pressure, front / rear | bar | 29,4/29,4; Force 200 N. | |
| Parking brake, free play/ working stroke | clicks | 1-2/*7-11 | |
| Electrical system | | | |
| Battery, capacity | Ah | 60 | |
| Alternator power output | W | 980; At 14 V. | |
| Controlled voltage at 20°C | V | 14,1-14,7 | |
| Primary coil resistance. | Ohm | approx. 0,7 | |
| Secondary coil resistance | Ohm | approx. 2200 | |
| HT leads resistance | Ohm | Direct ignition with separate ignition coil above each spark plug. | |

– Sunny 1.8 GTi 16V 1988 – 1990



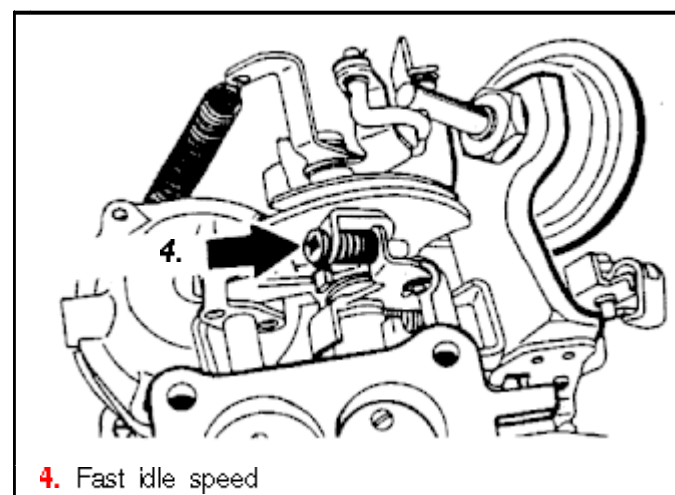
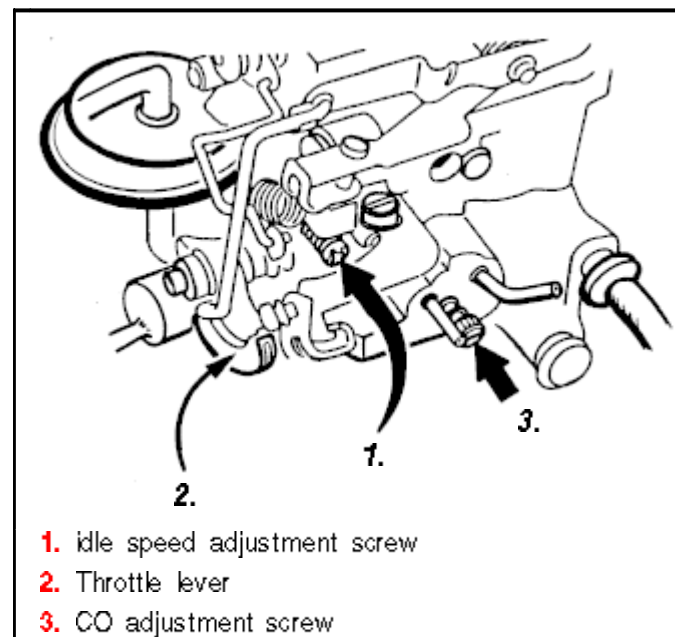
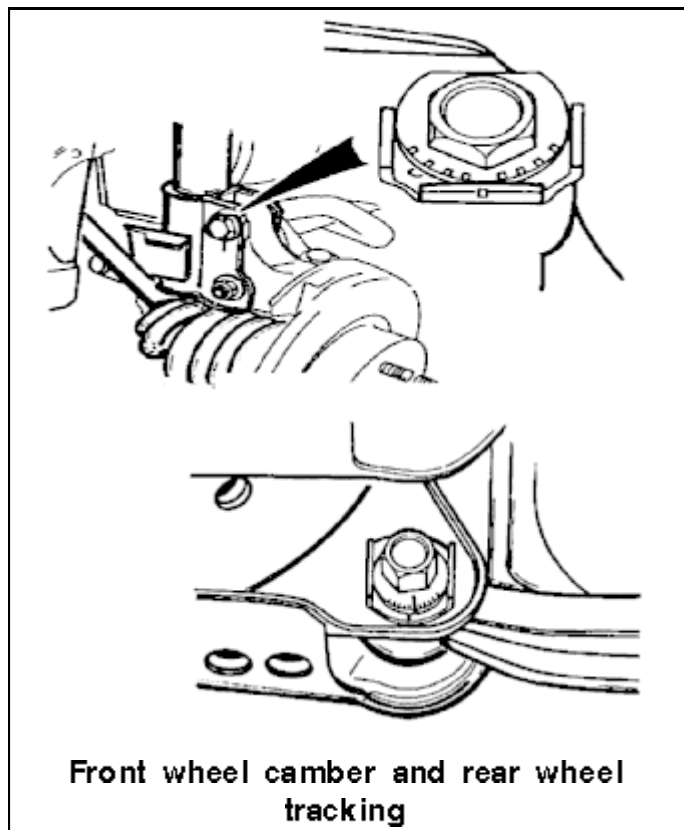
| | 1.8 GTi 16V CAT; 3, 4 and 5 door | 1.8 GTi 16V; 3, 4 and 5 door | 1.8 GTi 16V; 3 door Coupé |
|----------------|-------------------------------------|---------------------------------|------------------------------|
| General | | | |
| Build years | 10/88-1990 | | |
| Version | manual transaxle | | |
| Engine type | CA 18DE(CAT) | CA 18DE | |

| | | 1.8 GTi 16V CAT; 3, 4 and 5 door | 1.8 GTi 16V; 3, 4 and 5 door | 1.8 GTi 16V; 3 door Coupé |
|--|---------|---------------------------------------|---------------------------------|------------------------------|
| General | | | | |
| Engine lay-out | | L4/DOHC | | |
| Cubic capacity | cc | 1809 | | |
| Compression normal/wear limit | bar | 14,7/10,8 | | |
| tolerance between cylin- ders, max. | bar | 1,0 | | |
| Valves | | | | |
| Engine condition for ad- justments | | n.a. hydraulic | | |
| Inlet valve clearance | mm | 0 | | |
| Exhaust valve clearance | mm | 0 | | |
| Ignition | | | | |
| Type | | engine management | | |
| Spark plugs, make | | NGK | | |
| Spark plugs, type | | PFR6A-11; With platinum electrode. | PCPR6ES-11 | |
| Spark plugs - spark plug gap | mm | 1,0-1,1 | | |
| Strobosc. ignition timing | °/1/min | 15±2/800±50 | | |
| Centrifugal advance - start | °/1/min | computer controlled | | |
| Centrifugal advance - test | °/1/min | computer controlled | | |
| Centrifugal advance - end | °/1/min | computer controlled | | |

| | | 1.8 GTi 16V CAT; 3, 4 and 5 door | 1.8 GTi 16V; 3, 4 and 5 door | 1.8 GTi 16V; 3 door Coupé |
|---------------------------------------|------------------------------|--|---------------------------------|------------------------------|
| Ignition | | | | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | | |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | | |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | | |
| Vacuum retard - start | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | | |
| Vacuum retard - end | °/mm Hg (x 1,33 = 1 mbar) | computer controlled | | |
| Fuel system | | | | |
| Carburettor(s)/Injection | type | E.C.C.S. | | |
| Fuel pump pressure/injection pressure | bar | 2,5/2,5 | | |
| Idle speed | 1/min | 800±50 | | |
| CO at idle speed | % | max. 0,1; Measured in the exhaust tail pipe. CO is 8% or less with oxygen sensor and throttle valve switch disconnected and a 2500 Ohm resistance instead of the coolant temperature sensor. | max. 2,0 | |
| Clutch | | | | |
| Version | hydraulic | | | |

| | | 1.8 GTi 16V CAT; 3, 4 and 5 door | 1.8 GTi 16V; 3, 4 and 5 door | 1.8 GTi 16V; 3 door Coupé |
|--|------|--|---------------------------------|--------------------------------------|
| Clutch | | | | |
| Self-adjusting | | no | | |
| Pedal / release arm free play / pedal working stroke | mm | -/-/-; Pedal clearance at bottom: 1,0-3,0 mm; pedal height: 162-172 mm; see illustration under MAINTENANCE. | | |
| Wheels and tyres | | | | |
| Rim size | | 5,5JJx14 | | |
| Tyre size | | 185/60R14 82H | | |
| Tyre pressure, front/rear | bar | 1,9/1,9; Under full load and/or high speeds: 2,2/2,2. | | |
| Wheel alignment | | | | |
| Vehicle ballast | | Tank full | | |
| Front wheel alignment | | toe-in | | |
| Front wheels - tracking | mm/° | -0,35 to 1,0/-3 to 9' | | |
| Front wheels - camber | ° | -50' to 40' | | -1°05' to 25' |
| Front wheels - castor | ° | 35'-2°05'; Non adjustable. | | 45'-2°15'; Non adjust- able. |
| Front wheels - KPI | ° | 13°05'-14°35'; Non adjustable. | | 13°25'-14°55'; Non ad- justable. |
| Pos/neg Ackermann, 20° wheel-angle | ° | 1°36'; 20° outer wheel-angle. | | |
| Rear wheel alignment | | toe-out | | |
| Rear wheels - tracking | mm/° | 0-2,8/0'-25' | | -0,35 - 2,35/-3' - 21' |
| Rear wheels - camber | ° | -1°45' to -15'; Non adjustable. | | -1°55' to -25'; Non ad- justable. |

| | | 1.8 GTi 16V CAT; 3, 4 and 5 door | 1.8 GTi 16V; 3, 4 and 5 door | 1.8 GTi 16V; 3 door Coupé |
|---|--------|--|---------------------------------|------------------------------|
| Brake system | | | | |
| Construction, front/rear | | disc / disc | | |
| Front disc thickness, new / wear limit | mm | 20/18 | | |
| Min. front brake pad thick- ness | mm | 2,0 | | |
| Rear disc thickness, new / wear limit | mm | 10/- | | |
| Min. rear brake pad thick- ness | mm | 1,5 | | |
| Proportioning valve, load sensitive | yes/no | no | | |
| Test pressure, front / rear | bar | 29,4/29,4; 40/32 and 60/48. | | |
| parking brake, free play/ working stroke | clicks | 1-2/7-11; Force 200 N. | | |
| Electrical system | | | | |
| Battery, capacity | Ah | 60 | | |
| Alternator power output | W | 980; At 14 V. | | |
| Controlled voltage at 20°C | V | 14,1-14,7 | | |
| Primary coil resistance. | Ohm | approx. 0,7 | | |
| Secondary coil resistance | Ohm | approx. 2200 | | |
| HT leads resistance | Ohm | Direct ignition with separate ignition coil above each spark plug. | | |

- Sunny 1.6 4WD 1987 - 1988

| | | Sunny 1.6; 4 door, 4WD |
|-----------------------------------|---------|---|
| General | | |
| Build years | | 1987-9/88 |
| Version | | manual transaxle |
| Engine type | | E16S |
| Engine lay-out | | L4 / OHC |
| Cubic capacity | cc | 1597 |
| Compression normal/wear limit | bar | 13,4/10,8 |
| tolerance between cylinders, max. | bar | 1,0 |
| Valves | | |
| Engine condition for adjustments | | hot |
| Inlet valve clearance | mm | 0,28; Cold, inlet and exhaust provisional setting: 0,22. |
| Exhaust valve clearance | mm | 0,28; Cold, inlet and exhaust provisional setting: 0,22. |
| Ignition | | |
| Type | | transistorized |
| Spark plugs, make | | NGK |
| Spark plugs, type | | BPR6ES |
| Spark plugs - spark plug gap | mm | 0,8-0,9 |
| Strobosc. ignition timing | °/1/min | 4±2/800 ± 50; Valid for vacuum hose connected and disconnected. |
| Centrifugal advance - start | °/1/min | 0/1360 |
| Centrifugal advance - test | °/1/min | 12/2800 |
| Centrifugal advance - end | °/1/min | 25/5400 |

| Sunny 1.6; 4 door, 4WD | | |
|--|------------------------------|---|
| Ignition | | |
| Vacuum advance - start | °/mm Hg (x 1,33 = 1 mbar) | 0/110 |
| Vacuum advance - test | °/mm Hg (x 1,33 = 1 mbar) | 4°45'/170 |
| vacuum advance - end | °/mm Hg (x 1,33 = 1 mbar) | 10/250 |
| Fuel system | | |
| Carburettor(s) | make | Hitachi |
| Injection | make | - |
| Carburettor(s)/Injection | type | DCZ 328-31 |
| Fuel pump pressure/injection pressure | bar | 0,20-0,27/- |
| Fast idle speed | 1/min | 2400 ± 200 |
| Idle speed | 1/min | 800 ± 50 |
| CO at idle speed | % | 1,5 ± 0,5 |
| Clutch | | |
| Version | | mechanical |
| Self-adjusting | | no |
| Pedal / release arm free play / pedal working stroke | mm | 12,5-17,5/2,5-3,5/Pedal height: 162-172 mm, see illustration under MAINTENANCE. |
| Wheels and tyres | | |
| Rim size | | 5Jx13 |
| Tyre size | | 175/70SR13 |
| Tyre pressure, front/rear | bar | 1,8/1,8; Under full load and/or high speeds: 2.0/2,0. |

| | | Sunny 1.6; 4 door, 4WD |
|--|--------|--------------------------------|
| Wheel alignment | | |
| Vehicle ballast | | Tank full |
| Front wheel alignment | | toe-in |
| Front wheels - tracking | mm/° | -0,3 to 0,9/-3' to 9' |
| Front wheels - camber | ° | -50' to 40' |
| Front wheels - castor | ° | 10'-1°40'; Non adjustable. |
| Front wheels - KPI | ° | 12°50'-14°20'; Non adjustable. |
| Pos/neg Ackermann, 20° wheel-angle | ° | *2°12' |
| Rear wheel alignment | | toe-out |
| Rear wheels - tracking | mm/° | 0-2,5/0'-24' |
| Rear wheels - camber | ° | -55' to 35'; Non adjustable. |
| Brake system | | |
| Construction, front/rear | | disc / drum |
| Front disc thickness, new / wear limit | mm | 18/16 |
| Min. front brake pad thickness | mm | 2 |
| Rear drum diameter: new / wear limit | mm | 228,6/230,0 |
| Min. rear lining thickness | mm | 1,5 |
| Proportioning valve, load sensitive | yes/no | no |
| Test pressure, front / rear | bar | 34,3/34,3; 45/36 and 60/48. |
| Parking brake, free play/ working stroke | clicks | 1-2/8-11; Force 200 N. |

| | | Sunny 1.6; 4 door, 4WD |
|----------------------------|-----|---|
| Electrical system | | |
| Battery, capacity | Ah | 60 |
| Alternator power output | W | 40; At 14 V. |
| Controlled voltage at 20°C | V | 14,1-14,7 |
| Primary coil resistance. | Ohm | 1,0-1,3 |
| Secondary coil resistance | Ohm | 8.400-12.600 |
| Ballast resistor | Ohm | Air gap between pickup element and rotor: 0,3-0,5 mm. |
| HT leads resistance | Ohm | max. 30.000 |