

4A•2 Fuel system - carburettor engines

Mini Clubman and Mini 1000 Saloon, automatic transmission, 998 cc, (99H), up to 1974

| | |
|------------------|----------|
| Carburettor type | SU HS4 |
| Piston spring | Red |
| Jet size | 2.3 mm |
| Needle: | |
| Standard | AC |
| Rich | MI |
| Weak | HA |
| Idle speed | 650 rpm |
| Fast idle speed | 1050 rpm |

Mini Clubman and Mini 1000 Saloon and variants, manual and automatic transmission, 998 cc, (99H), 1974-83

| | 1974-76 | 1976-78 | 1978-83 |
|-------------------|------------|------------|----------|
| Carburettor type | SU HS4 | SU HS4 | SU HS4 |
| Piston spring | Red | Red | Red |
| Jet size | 2.3 mm | 2.3 mm | 2.3 mm |
| Needle | ABX | ADE | ADE |
| Idle mixture CO % | 3.5 to 4.5 | 3.0 to 4.5 | 3.0 |
| Idle speed | 750 rpm | 750 rpm | 750 rpm |
| Fast idle speed | 1200 rpm | 1250 rpm | 1250 rpm |

Mini Saloon and variants, manual and automatic transmission, 998 cc (99H), 1983-89

| | |
|-------------------|---------------|
| Carburettor type | SU HS4 |
| Piston spring | Red |
| Jet size | 2.3 mm |
| Needle | AAC |
| Idle mixture CO % | 2.5 ± 1.0 |
| Idle speed | 750 ± 50 rpm |
| Fast idle speed | 1100 ± 50 rpm |

Mini Saloon and variants, manual and automatic transmission, 998 cc (99H), 1989-on

| | (low compression) | (high compression) |
|-------------------|-------------------|--------------------|
| Carburettor type | SU HS4 | SU HS4 |
| Piston spring | Red | Red |
| Jet size | 2.3 mm | 2.3 mm |
| Needle | ADE | AAC |
| Idle mixture CO % | 2.5 ± 1.0 | 2.5 ± 1.0 |
| Idle speed | 750 ± 50 rpm | 750 ± 50 rpm |
| Fast idle speed | 1100 ± 50 rpm | 1100 ± 50 rpm |

Mini Clubman 1100, 1098 cc, (10H)

| | 1974 on |
|-------------------|------------------|
| Carburettor type | SU HS4 |
| Piston spring | Red |
| Jet size | 2.3 mm |
| Needle | ABP |
| Idle mixture CO % | 3.0 to 4.5 |
| Idle speed | 750 rpm |
| Fast idle speed | 1150 to 1300 rpm |

Mini Cooper S Mk III, 1275 cc, (12H)

| | 1969 on |
|------------------|-------------|
| Carburettor type | Twin SU HS2 |
| Piston spring | Red |
| Jet size | 2.3 mm |
| Needle: | |
| Standard | M |
| Rich | AH2 |
| Weak | EB |
| Idle speed | 600 rpm |
| Fast idle speed | 1000 rpm |

Mini 1275 GT, 1275 cc, (12H)

| | 1969-72 | 1972-76 | 1976-77 | 1978 on |
|-------------------|----------|------------|------------|------------|
| Carburettor type | SU HS4 | SU HS4 | SU HS4 | SU HS4 |
| Piston spring | Red | Red | Red | Red |
| Jet size | 2.3 mm | 2.3 mm | 2.3 mm | 2.3 mm |
| Needle: | | | | |
| Standard | AC | AAV | ABB | AAT |
| Rich | BQ | - | - | - |
| Weak | HA | - | - | - |
| Idle mixture CO % | - | 3.5 to 4.5 | 3.0 to 4.5 | 3.0 to 4.0 |
| Idle speed | 650 rpm | 800 rpm | 850 rpm | 750 rpm |
| Fast idle speed | 1050 rpm | 1200 rpm | 1300 rpm | 1300 rpm |