

6402701

sport

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake **exhaust**

camshaft data:

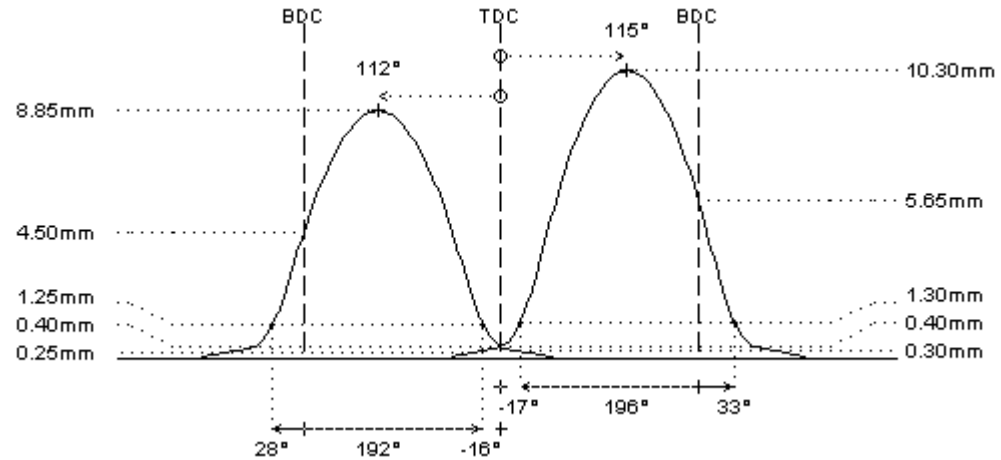
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 237°	236°
duration @ 1.0mm	: 196°	192°
valve lift	: 10.30mm	8.85mm
cam lift	: 5.65mm	5.65mm
lobe angle	: 115°	112°
timing @ 1.0mm	: -17° / 33°	28° / -16°
valve lift @ TDC	: 0.40mm	0.40mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: O.E.M.	: O.E.M.
interior spring	:	:

fitted load / length	: 24kg @ 45.0mm	: 24kg @ 45.0mm
max. load / lift	: 58kg @ 10.5mm	: 58kg @ 10.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
- bearing diameters: 32.0mm
- cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
- 2 intake + 1 exhaust cam lobes per cylinder
- no VVTL

6402702

sport

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake **exhaust**

camshaft data:

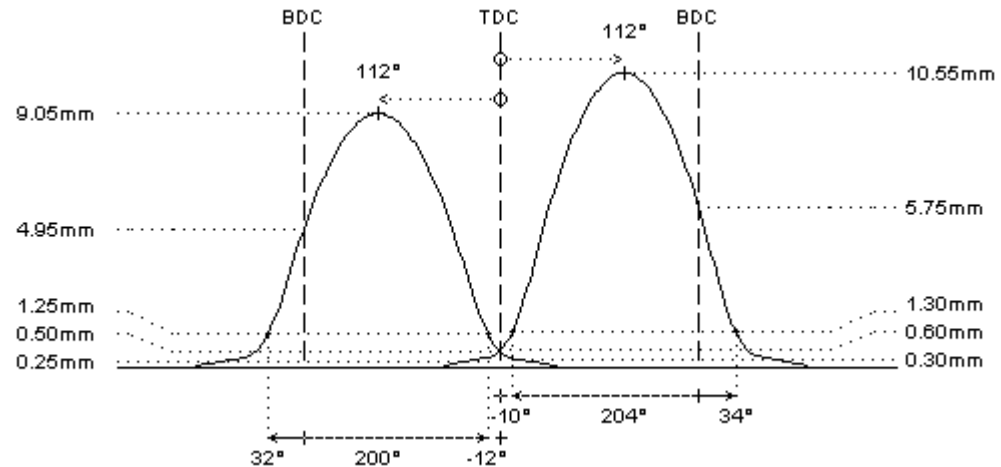
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 246°	244°
duration @ 1.0mm	: 204°	200°
valve lift	: 10.55mm	9.05mm
cam lift	: 5.80mm	5.80mm
lobe angle	: 112°	112°
timing @ 1.0mm	: -10° / 34°	32° / -12°
valve lift @ TDC	: 0.60mm	0.50mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: O.E.M.	: O.E.M.
interior spring	:	:

fitted load / length	: 24kg @ 45.0mm	: 24kg @ 45.0mm
max. load / lift	: 58kg @ 10.5mm	: 58kg @ 10.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
- bearing diameters: 32.0mm
- cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
- 2 intake + 1 exhaust cam lobes per cylinder
- no VVTL

- # ECU reprogramming required

6402703

sport

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake **exhaust**

camshaft data:

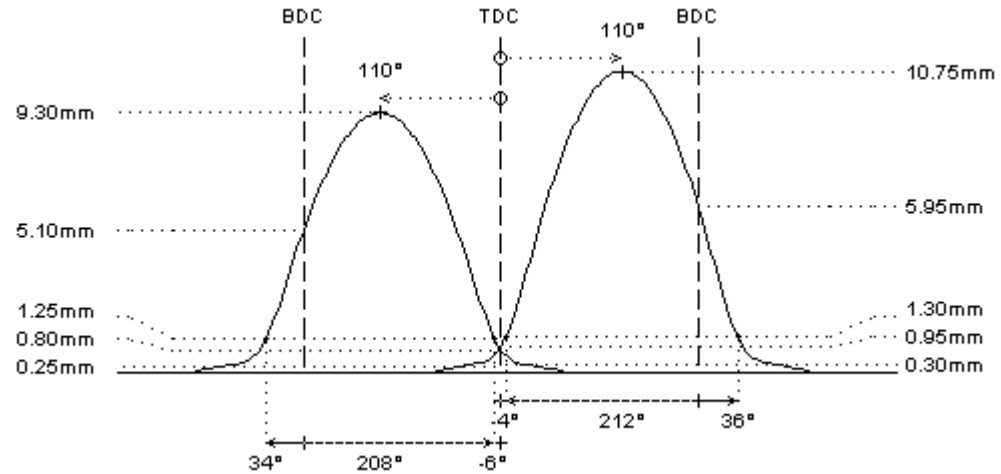
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 252°	251°
duration @ 1.0mm	: 212°	208°
valve lift	: 10.75mm	9.30mm
cam lift	: 5.90mm	5.90mm
lobe angle	: 110°	110°
timing @ 1.0mm	: -4° / 36°	34° / -6°
valve lift @ TDC	: 0.95mm	0.80mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: O.E.M.	: O.E.M.
interior spring	:	:

fitted load / length	: 24kg @ 45.0mm	: 24kg @ 45.0mm
max. load / lift	: 58kg @ 10.5mm	: 58kg @ 10.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
- bearing diameters: 32.0mm
- cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
- 2 intake + 1 exhaust cam lobes per cylinder
- no VVTL

- # ECU reprogramming required

6402707

hot street - dirt track

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake **exhaust**

camshaft data:

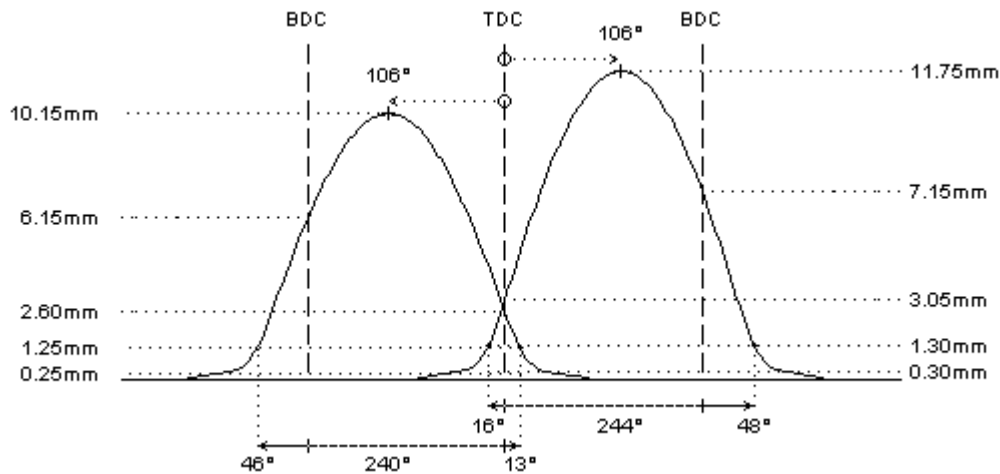
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 282°	278°
duration @ 1.0mm	: 244°	239°
valve lift	: 11.75mm	10.15mm
cam lift	: 6.40mm	6.40mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 16° / 48°	46° / 13°
valve lift @ TDC	: 3.05mm	2.60mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99365	: 99365
lower retainer	: 99433/O	: 99433/O
exterior spring	: PAC-S90019	: PAC-S90019
interior spring	:	:

fitted load / length	: 31kg @ 35.5mm	: 31kg @ 35.5mm
max. load / lift	: 80kg @ 12.5mm	: 80kg @ 12.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
- bearing diameters: 32.0mm
- cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
- 2 intake + 1 exhaust cam lobes per cylinder
- no VVTL

- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
 - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
 - distance between valve seal and retainer at full lift must be 0.6mm at least
 - minimum valve spring travel of 1.0mm at full lift must be provided
 - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake

- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors

6402708

hot street - dirt track

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake **exhaust**

camshaft data:

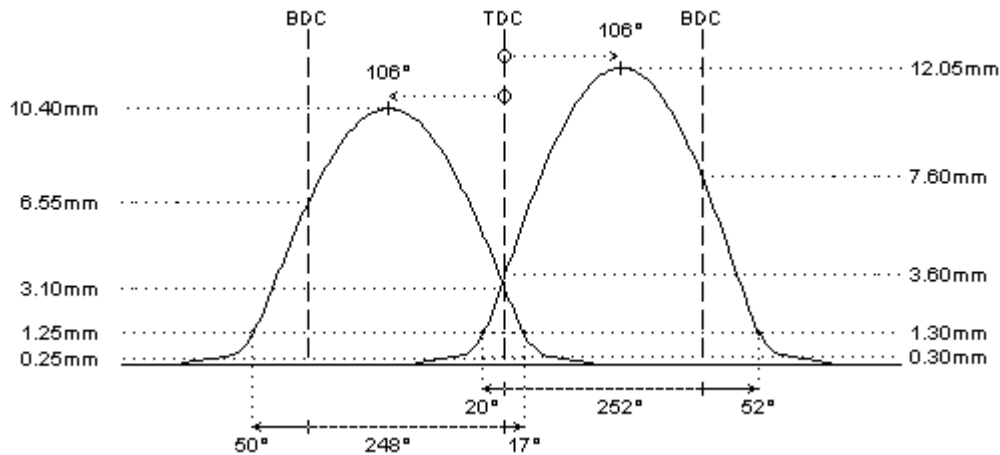
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 292°	287°
duration @ 1.0mm	: 252°	247°
valve lift	: 12.05mm	10.40mm
cam lift	: 6.55mm	6.55mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 20° / 52°	50° / 17°
valve lift @ TDC	: 3.60mm	3.10mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99365	: 99365
lower retainer	: 99433/O	: 99433/O
exterior spring	: PAC-S90019	: PAC-S90019
interior spring	:	:

fitted load / length	: 31kg @ 35.5mm	: 31kg @ 35.5mm
max. load / lift	: 80kg @ 12.5mm	: 80kg @ 12.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
- bearing diameters: 32.0mm
- cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
- 2 intake + 1 exhaust cam lobes per cylinder
- no VVTL

- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
 - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
 - distance between valve seal and retainer at full lift must be 0.6mm at least
 - minimum valve spring travel of 1.0mm at full lift must be provided
 - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake

- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors

6402709

tarmac rally - race

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake

exhaust

camshaft data:

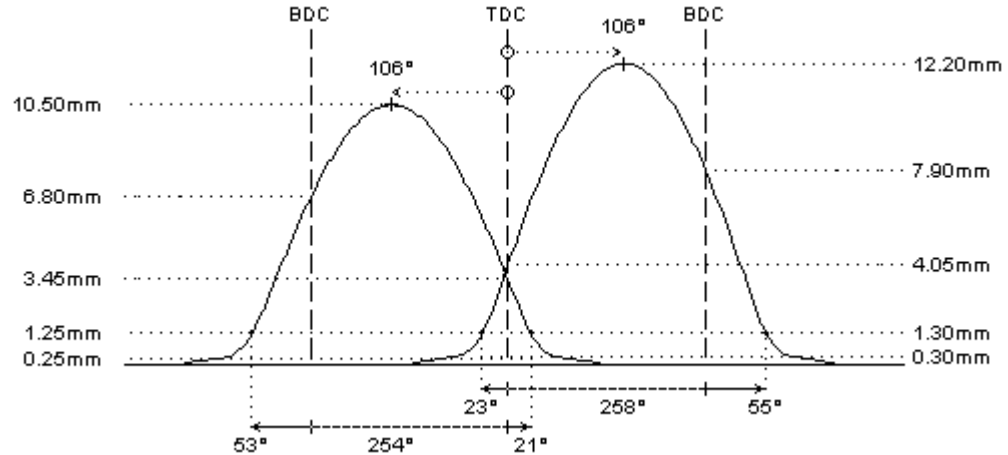
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 295°	292°
duration @ 1.0mm	: 258°	254°
valve lift	: 12.20mm	10.50mm
cam lift	: 6.60mm	6.60mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 23° / 55°	53° / 21°
valve lift @ TDC	: 4.05mm	3.45mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99365	: 99365
lower retainer	: 99433/O	: 99433/O
exterior spring	: PAC-S90019	: PAC-S90019
interior spring	:	:

fitted load / length	: 31kg @ 35.5mm	: 31kg @ 35.5mm
max. load / lift	: 80kg @ 12.5mm	: 80kg @ 12.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
- bearing diameters: 32.0mm
- cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
- 2 intake + 1 exhaust cam lobes per cylinder
- no VVTL

- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
 - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
 - distance between valve seal and retainer at full lift must be 0.6mm at least
 - minimum valve spring travel of 1.0mm at full lift must be provided
 - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake

- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors

6402711

turbo conversion

Subaru H4SO

B-4cyl 2.5L 16v SOHC (RPR/RPR)



intake

exhaust

camshaft data:

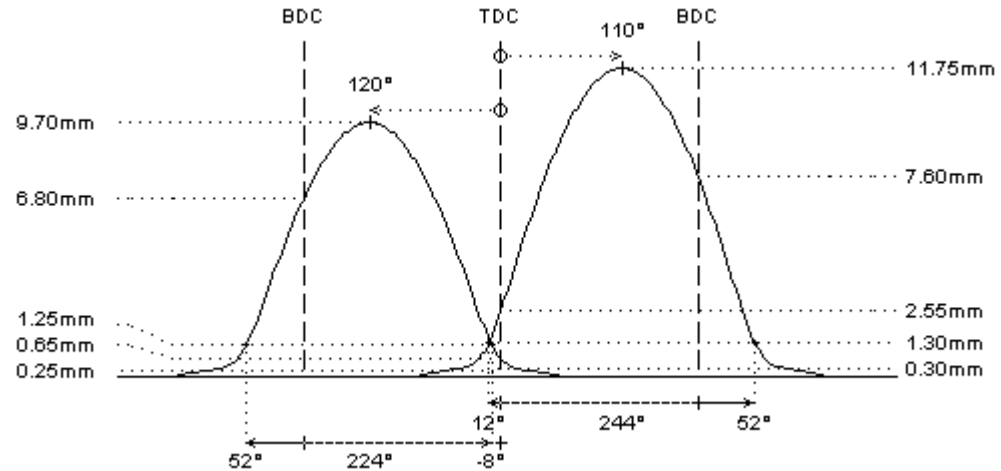
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 282°	264°
duration @ 1.0mm	: 244°	224°
valve lift	: 11.75mm	9.70mm
cam lift	: 6.40mm	6.15mm
lobe angle	: 110°	120°
timing @ 1.0mm	: 12° / 52°	52° / -8°
valve lift @ TDC	: 2.55mm	0.65mm

parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99365	: 99365
lower retainer	: 99433/O	: 99433/O
exterior spring	: PAC-S90019	: PAC-S90019
interior spring	:	:

fitted load / length	: 31kg @ 35.5mm	: 31kg @ 35.5mm
max. load / lift	: 80kg @ 12.5mm	: 80kg @ 12.5mm

REMARKS :



REMARKS :

- # - roller rocker arms with lash adjustment screw
 - bearing diameters: 32.0mm
 - cam base diameter: 34.0mm (1 bearing cap for complete camshaft)
 - 2 intake + 1 exhaust cam lobes per cylinder
 - no VVTL
- # for TURBO conversion (atmospheric to turbo)