

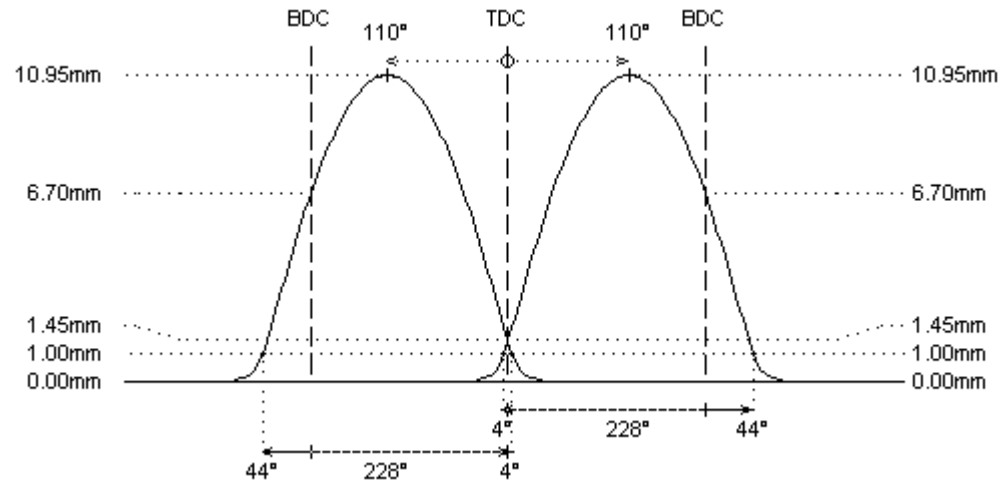
7650247

sport

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H
I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 267°	267°
duration @ 1.0mm	: 228°	228°
valve lift	: 10.95mm	10.95mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: 4° / 44°	44° / 4°
valve lift @ TDC	: 1.45mm	1.45mm
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	: 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	: 30kg @ 34.0mm	: 31kg @ 33.7mm
max. load / lift	: 61kg @ 11.2mm	: 61kg @ 11.0mm



REMARKS :

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measurements are taken in 2E cylinder head (048 103 373)

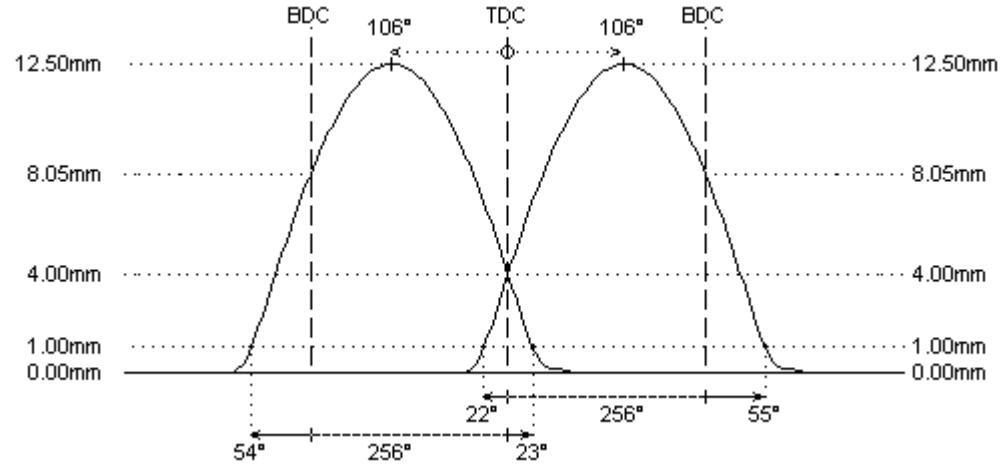
7650263

tarmac rally - race

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 296°	296°
duration @ 1.0mm	: 257°	257°
valve lift	: 12.50mm	12.50mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 22° / 55°	54° / 23°
valve lift @ TDC	: 4.00mm	4.00mm
parts setup:		
cam wheels :	: CCR3232	: CCR3232
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	: 99371	: 99371
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-E92009	: PAC-E92009
interior spring	: PAC-I92009	: PAC-I92009
fitted load / length	: 34kg @ 34.0mm	: 35kg @ 33.7mm
max. load / lift	: 109kg @ 15.0mm	: 110kg @ 15.0mm



REMARKS :

- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
 - the camshafs 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

REMARKS :

- # use PAC-D12009 (GOLD quality) for applications over 12.5mm valve lift / 8500rpm

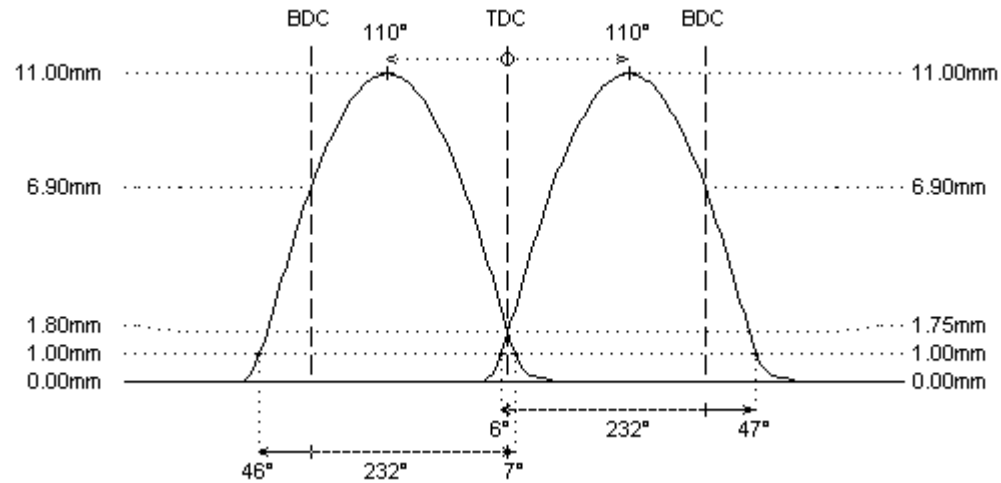
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sport

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 272°	272°
duration @ 1.0mm	: 233°	233°
valve lift	: 11.00mm	11.00mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: 6° / 47°	46° / 7°
valve lift @ TDC	: 1.75mm	1.80mm
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	: 30kg @ 34.0mm	: 31kg @ 33.7mm
max. load / lift	: 61kg @ 11.2mm	: 61kg @ 11.0mm



REMARKS :

REMARKS :

measurements are taken in 2E cylinder head (048 103 373)

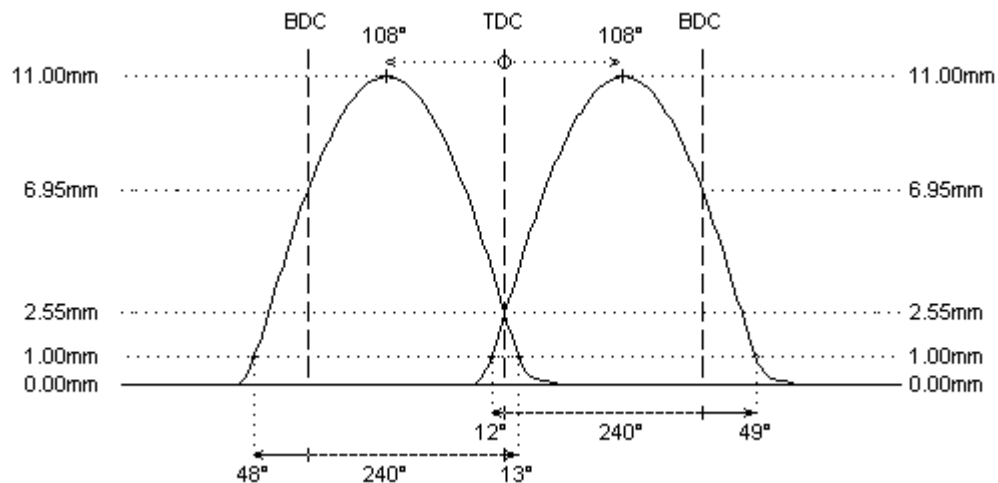
7650277

hot street - dirt track

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H
I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 280°	280°
duration @ 1.0mm	: 241°	241°
valve lift	: 11.00mm	11.00mm
cam lift	:	
lobe angle	: 108°	108°
timing @ 1.0mm	: 12° / 49°	48° / 13°
valve lift @ TDC	: 2.55mm	2.55mm
parts setup:		
cam wheels :	: CCR3232	: CCR3232
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	: 30kg @ 34.0mm	: 31kg @ 33.7mm
max. load / lift	: 61kg @ 11.2mm	: 61kg @ 11.0mm



REMARKS :

- # Distance between valve and piston should be 1.0mm at least:
 - check 5-15° after TDC on intake
 - check 5-15° before TDC on exhaustMachine pistons if required. Wrong installation can cause severe engine damage!
- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors

REMARKS :

measurements are taken in 2E cylinder head (048 103 373)

7650278

hot street - dirt track

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H I-4cyl 2.0L 8v SOHC (DTH/DTH)



intake **exhaust**

camshaft data:

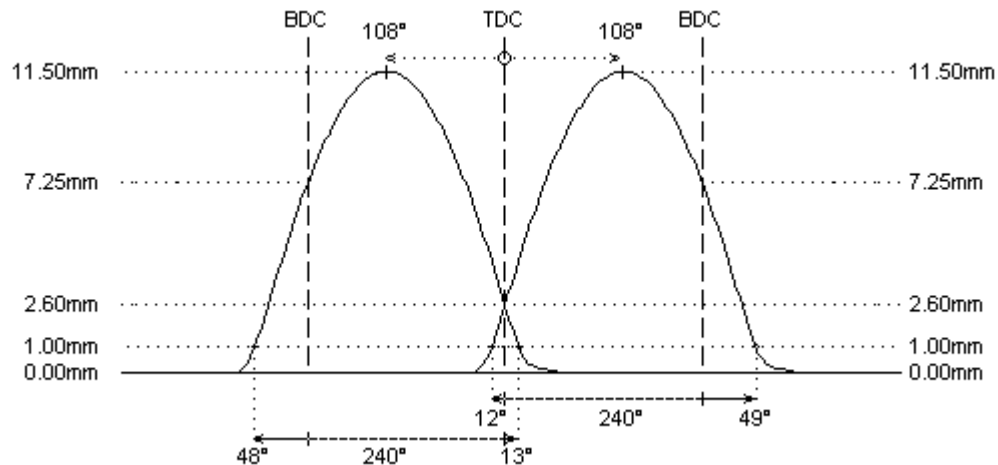
lash ramp	: hydro	hydro
duration @ 0.1mm	: 280°	280°
duration @ 1.0mm	: 241°	241°
valve lift	: 11.50mm	11.50mm
cam lift	:	
lobe angle	: 108°	108°
timing @ 1.0mm	: 12° / 49°	48° / 13°
valve lift @ TDC	: 2.60mm	2.60mm

parts setup:

cam wheels :	: CCR3232	: CCR3232
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	: 99386	: 99386
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-S90019	: PAC-S90019
interior spring	:	

fitted load / length	: 36kg @ 34.0mm	: 37kg @ 33.7mm
max. load / lift	: 85kg @ 12.2mm	: 85kg @ 12.0mm

REMARKS :



REMARKS :

- # 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

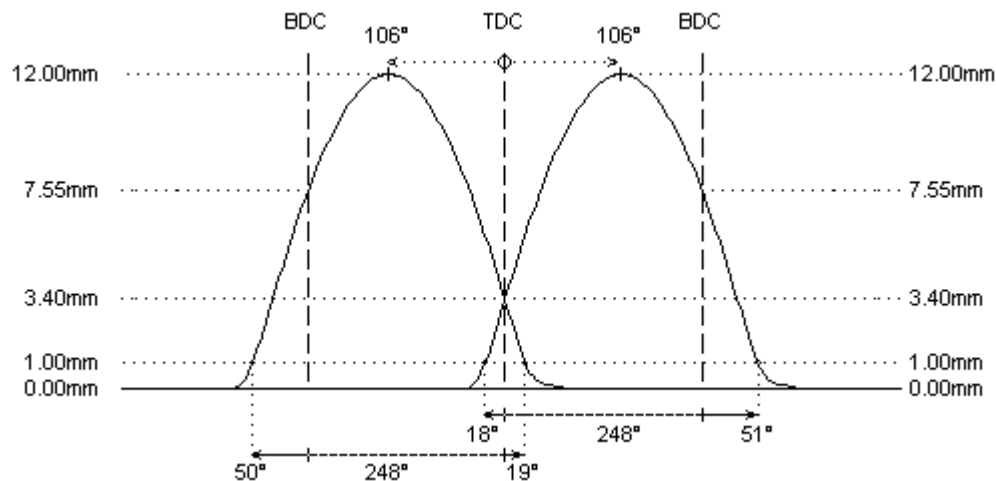
7650279

tarmac rally - race

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 288°	288°
duration @ 1.0mm	: 249°	249°
valve lift	: 12.00mm	12.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 18° / 51°	50° / 19°
valve lift @ TDC	: 3.40mm	3.40mm
parts setup:		
cam wheels :	: CCR3232	: CCR3232
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	: 99386	: 99386
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-S90019	: PAC-S90019
interior spring		
fitted load / length	: 36kg @ 34.0mm	: 37kg @ 33.7mm
max. load / lift	: 85kg @ 12.2mm	: 85kg @ 12.0mm



REMARKS :

- # 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

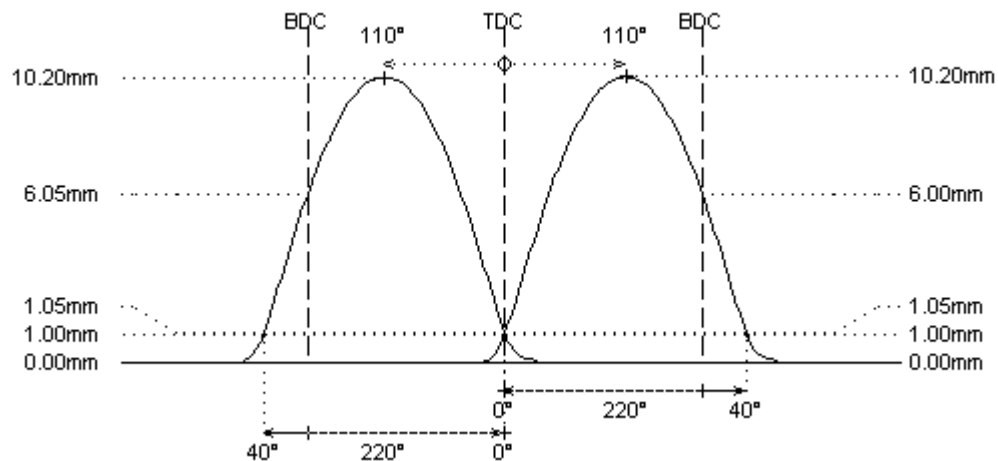
REMARKS :

O.E.M.

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 259°	258°
duration @ 1.0mm	: 220°	220°
valve lift	: 10.20mm	10.20mm
cam lift	:	
lobe angle	: 110°	110°
timing @ 1.0mm	: -0° / 40°	40° / -0°
valve lift @ TDC	: 1.05mm	1.05mm
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	: 30kg @ 34.0mm	: 31kg @ 33.7mm
max. load / lift	: 61kg @ 11.2mm	: 61kg @ 11.0mm

**REMARKS :**

specifications for "026 109 101A" camshaft (as found in GX, PG, 2E, ...)

REMARKS :

measurements are taken in 2E cylinder head (048 103 373)

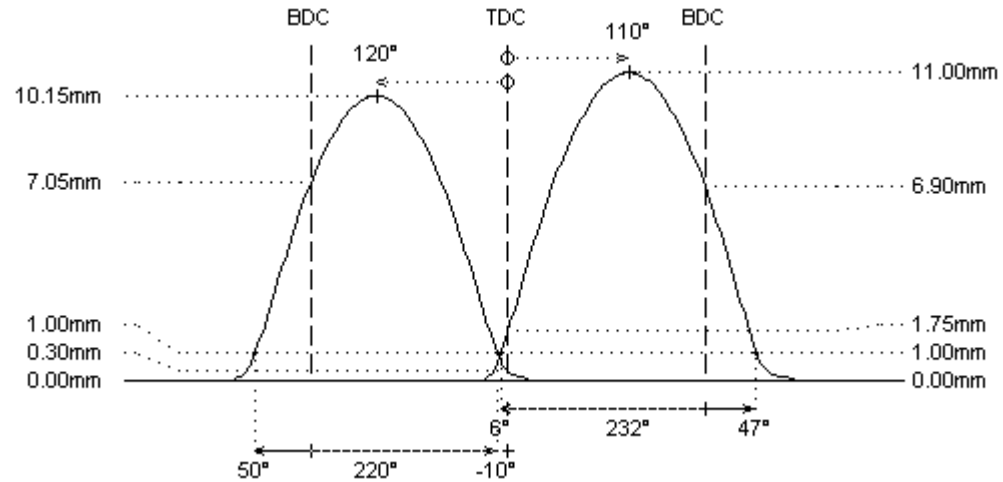
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turbo conversion

Volkswagen 2E(92-94), ADY (94-95), AGG (95-97) hydraulic tappets, 7mm valves, MK-7H I-4cyl 2.0L 8v SOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 272°	257°
duration @ 1.0mm	: 233°	220°
valve lift	: 11.00mm	10.15mm
cam lift	:	
lobe angle	: 110°	120°
timing @ 1.0mm	: 6° / 47°	50° / -10°
valve lift @ TDC	: 1.75mm	0.30mm
parts setup:		
cam wheels :	: CCR3232	: CCR3232
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	: 30kg @ 34.0mm	: 31kg @ 33.7mm
max. load / lift	: 61kg @ 11.2mm	: 61kg @ 11.0mm



REMARKS :

for TURBO conversion (atmospheric to turbo)

REMARKS :

measurements are taken in 2E cylinder head (048 103 373)