

**4900367**

tarmac rally - race

Citroën XU9J2 (D6A) 105mm valves

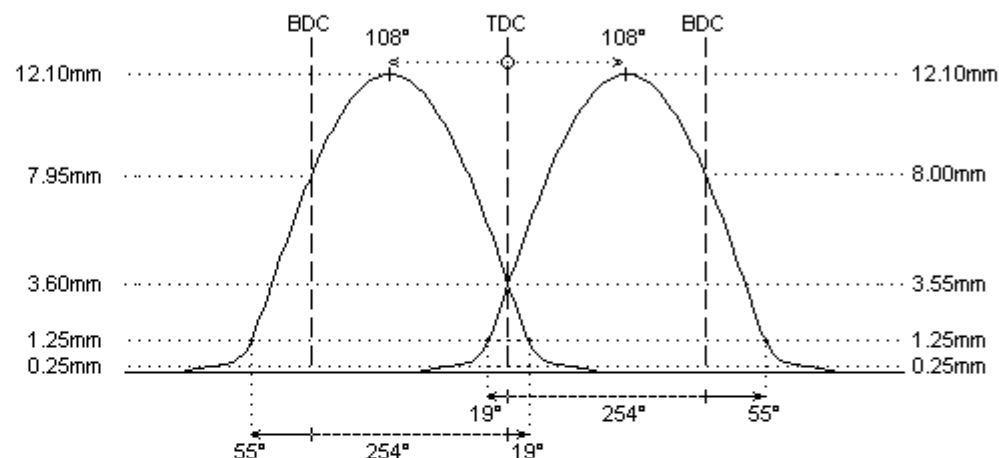
I-4cyl 1.9L 8v SOHC (DT/DT)

**intake****exhaust****camshaft data:**

|                  |             |           |
|------------------|-------------|-----------|
| lash ramp        | : 0.25mm    | 0.25mm    |
| duration @ 0.1mm | : 294°      | 294°      |
| duration @ 1.0mm | : 254°      | 254°      |
| valve lift       | : 12.10mm   | 12.10mm   |
| cam lift         | :           |           |
| lobe angle       | : 108°      | 108°      |
| timing @ 1.0mm   | : 19° / 55° | 55° / 19° |
| valve lift @ TDC | : 3.55mm    | 3.60mm    |

**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       | :  99331         | :  99331         |
| lower retainer       | :  99631         | :  99631         |
| exterior spring      | :  PAC-E99859    | :  PAC-E99859    |
| interior spring      | :  PAC-I99859    | :  PAC-I99859    |
| fitted load / length | : 41kg @ 34.0mm  | : 41kg @ 34.0mm  |
| max. load / lift     | : 118kg @ 14.0mm | : 118kg @ 14.0mm |

**REMARKS :****REMARKS :**

- # without fuel pump lobe
- # XU engines: 2 different valve length steems have been used (109mm & 105mm). This has an influence on the fitted length of the valve spring.  
The lower retainer supplied with the upper retainer [ref. 99331] will in most cases provide the proper fitted length of 35-36mm for the springs [ref.99859]. If not please machine or adapt the lower retainer
- # 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