

PORSCHE 944

944NA & 944Turbo cam-timing profiles

From the Parts & Technical Reference Catalog 1999 Edition, we have the following part#:

944.105.155.05 CAMSHAFT for 1983-85/1 944 and 1986-88 944 Turbo

944.105.155.09 CAMSHAFT for 1986-88 944 / 924S

From the Service Information Technical Manual '88, we have the following cam specs @ 1mm/0.039" clearance:

944 / 924S

Intake opens: 1° after TDC
Intake closes: 49° after BDC
Exhaust opens: 47° before BDC
Exhaust closes: 1° after TDC

944 Turbo

Intake opens: 1° after TDC
Intake closes: 49° after BDC
Exhaust opens: 43° before BDC
Exhaust closes: 3° before TDC

Combining these two tidbits, we can derive the following additional information:

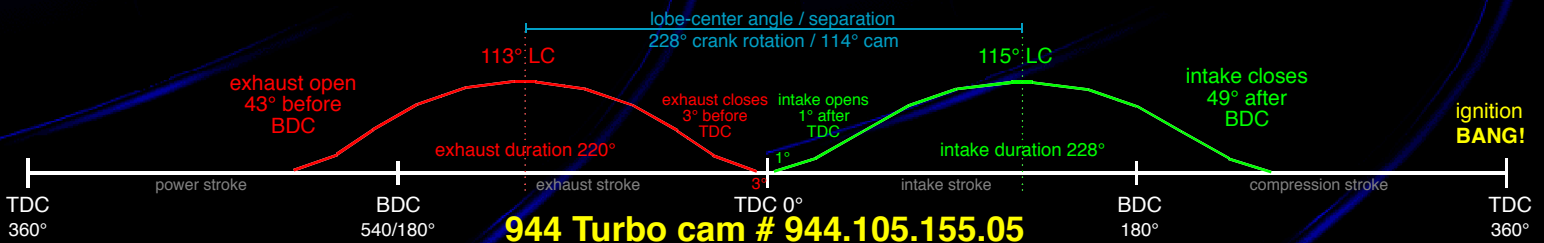
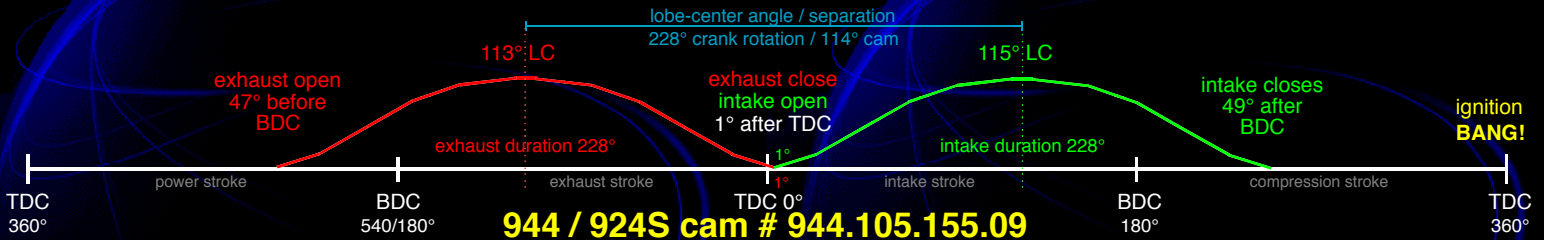
944 / 924S cam # 944.105.155.09

int. duration: 228° (-1 +180 +49)
int. lobe-center: 115° after TDC (228/2 +1)
exh. duration: 228° (+47 +180 +1)
exh. lobe-center: 113° before TDC (228/2 -1)

944 Turbo cam # 944.105.155.05

int. duration: 228° (-1 +180 +49)
int. lobe-center: 115° after TDC (228/2 +1)
exh. duration: 220° (+43 +180 -3)
exh. lobe-center: 113° before TDC (220/2 +3)

Here's a picture of what these cams are doing (lift not drawn to scale):



I got some emails with these additional cams measured at 0.050" clearance (lift not drawn to scale):

