

What's new !!

Suzuki Swift Sport ZC31S/M16A Camshafts & Inner-shim KIT

WITHOUT COMPROMISE



EX Adjustable Cam Sprocket



M16A

SUZUKI Swift Sport

■ M16A High Power Camshafts (Re-profiled)+ Inner-shim combination KIT

The standard Swift valve train uses cam lifts and cam angles of IN 240/8.5 and EX 232/8.1 respectively for both Intake and Exhaust and an outer shim design. TODA Racing has re-designed the valve lifter(bucket), shim (Inner-shim), valve spring and retainer. This enables the valve train system to safely use both larger lifts and angles than that of the standard system.

As to costs, in order to keep costs down but the quality up we re-profile the cams, which does not affect the performance. Through this process we have been able to design 4 intake profiles with cam lifts from 9.5 to 9.7mm and 3 exhaust profiles with cam lifts from 8.9 to 9.1mm with varying cam angles for both the intake and exhaust.

Note: TODA M16A camshafts require the use of TODA M16A Inner Shim Kit due to the different size of base circle.

Code No G□□ is for exhaust cams with an adjustable exhaust cam sprocket (sprocket is included).

Code No O□□ is for exhaust cams with the original fixed cam sprocket.

Valve timing is based on the standard engine timing.

High Power Profile Camshafts(※Re-profiled/Base circle diameter Φ34mm)			
IN(Angle/Cam Lift)	Part No.	EX (angle/Cam Lift)	Part No.
246 / 9.5	14111-M16-001	242 / 8.9	14121-M16-001
250 / 9.7	14111-M16-011	242 / 8.9	14121-M16-G01
256 / 9.7	14111-M16-021	245 / 9.1	14121-M16-011
264 / 9.7	14111-M16-031	245 / 9.1	14121-M16-G11
		256 / 9.1	14121-M16-021
		256 / 9.1	14121-M16-G21

* Re-profiled : trade-in of your normal camshafts are needed for re-profiling.

* Since the standard base circle is changed, the standard buckets and the standard springs cannot be used.

* The sale of individual TODA High Power Camshafts for the M16 are scheduled to be sold at a later date.

* Fixed type EX camshafts(black color part No) have a center cam angle of 106deg.

KIT contents

- ① TODA Re-profiled Camshafts KIT
- ② TODA Valve lifters (buckets) of Inner Shim KIT ×16
- ③ TODA Up rated Valve Springs ×16
- ④ TODA SPL valve retainers ×16
- ⑤ TODA Inner shim (standard size for measurement) ×16

M16A High Power Camshaft (IN&EX/Adjustable)+Inner Shim KIT Set price List Price 150,000 yen

M16A High Power Camshaft (IN&EX/fixed)+Inner Shim KIT Set price List Price 130,000 yen

Three part numbers are required when ordering the kit, both the Intake and Exhaust camshafts and the inner-shim kit. (Toda Camshaft base circle).

M16A Inner Shim KIT for ZC31S

TODA Camshaft base circle Φ34mm 14730-M16-00T List Price 80,000 yen.

Standard base circle Φ37mm 14730-M16-00N List Price 80,000 yen.

Can be used with any camshaft with the standard base circle (Φ37mm).

A default size shim is included in both the kits. Other shims sizes are available on request.

Shim sold separately 1,000 yen.

