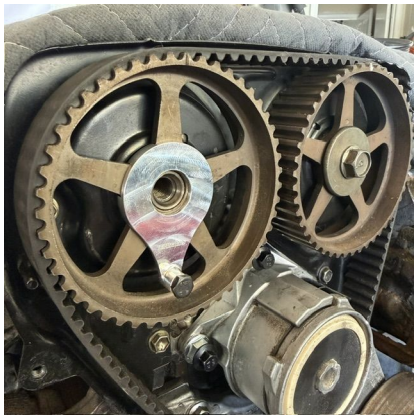
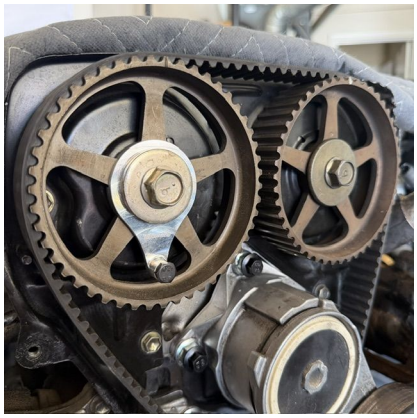
TripasGarage
2JZGE Cam/home Trigger Kit Installation Guide

OEM Cam Trigger Setup

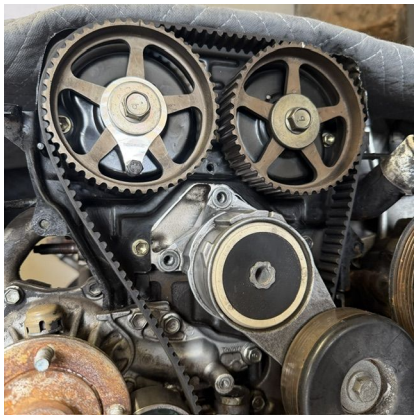
Step 1 – Set the engine to TDC on cylinder 1, remove the cam gear bolt, and install the trigger mount so the triggering system is at the 6' oclock position.



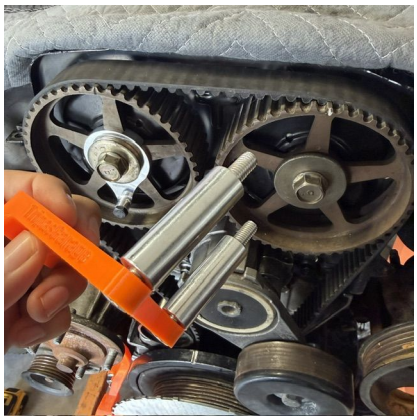
Step 2 – Following the Toyota Service Manual torque specs, tighten the cam gear bolt.



Step 3 – Remove the left and center serpentine belt tensioner bolts leaving the right one as is.



Step 4 – Slide the two M8 bolts through the brackets mounting holes, then slide the spacers onto the bolts.

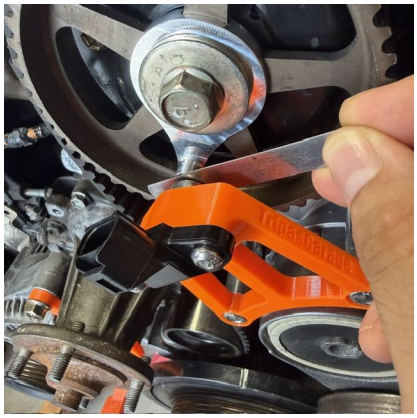


Step 5 - Install the cam sensor mount to the serpentine belt tensioner and fasten it using the torque specs in the Toyota Service Manual. The two sensor mount bolts go into the mounting location of the two bolts you previously removed from the tensioner.



Step 6 – Install and fasten the sensor to the sensor mount. Using feeler gauges, set the air gap distance between the sensor and trigger bolt to 0.2mm – 0.8mm. Use the supplied spacers/washers to pop out the trigger bolt more (If necessary) to get the desired air gap.

DO NOT TRY STARTING THE CAR WITHOUT DOING THIS STEP. MAKE SURE TO ROTATE THE ENGINE BY HAND FIRST TO VERIFY THE BOLT DOES NOT MAKE CONTACT WITH THE SENSOR.



Aftermarket cam gear Trigger Setup

Step 1 – Install the Adjustable cam gears provided. The backside of one gear will be labeled EX which goes on the Exhaust camshaft. Follow the steps in the Toyota Service Manual for removing and installing the cam gears.

Step 2 – Follow Steps 3 – 6 from above.



Please work with your qualified tuner to configure the ECU. TripasGarage can provide the trigger pattern and sensor information, but the final trigger configuration, timing settings, and synchronization parameters must be determined and verified by the tuner for the specific ECU and application.

IMPORTANT: Do not assume trigger settings from another application or ECU are correct for this kit. Always verify the trigger configuration and ignition timing with your tuner after installation.

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