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G503 WWII Jeep Go Devil Engine Tune up Points, Rotor, Condenser

Tuning up your G503 WWII Jeep Go Devil engine is not difficult, but you do need a couple of inexpensive tools to complete the task. We show you how here.

Timing Light Spark Plugs (4) Points, Rotor Points, Rotor Feeler gauge Standard Wrenches, Deep Sockets	For the best performance and dependability, the engine should have a tune up every 6,000 - 10,000 miles according to TM 10-1513. Here are most of the tools needed for a tune up. Some of the tools are surprisingly inexpensive at Harbor Frieght and no need to spend bundle on these tools if you only perform a tuneup once a year.
	Most people forget that a tune up is more than just distributor and spark plugs. The TM's recommend to check the connections on the Battery Terminals, ground straps and verify all of the connections to Starter, Generator, Coil, Regulator all all tight and with no corrosion. Here are some of the points you should inspect the connections.
LOCKING SCREW CCENTRIC ADJUSTMENT CONTRIBUTOR DISTRIBUTOR DISTRIBUTOR DISTRIBUTOR CONDENSER	Let's start with the distributor. Remove the cap by removing the two clips holding the cap on. Here is what you see inside. Ideally, you should take the rotor off so you can see the points and condenser. There are just a couple of screws that hold these pieces in the distributor so its pretty easy to figure out.



Check		Once the distributor points are gapped correctly, inspect the rotor, and see if there is any wear due to arcing. This would be a type of melting of the metal tipe that spins around. You can wipe off any residue, but if the tip looks worn out, then replace it.
		Attach the rotor and distributor cap back into position, and clip back on.
		Next, inspect your spark plug cables. Look for areas of cracking. The repo cables are common for cracking. If there are cracks, then you have a posibility of arc within your engine compartment, thus loosing power.
	NORMAL - greyish to white color indicates correct heat range, and firing correctly WORN - rounded center and ground electrode usually indicates excessive wear. Common misfiring during acceleration, and bad fuel economy usually. OIL DEPOSIT - Black oil coating caused by lack of oil control. Check for worn valves stem seals. This could be major problem	Remove your spark plugs and inspect them. Your spark plugs should have residue from the gas mixture igniting. You should not have signs of water, coolant, excessive oil. Also, if the plugs look worn down, they should be replaced. With unleaded fuels of today, there are much less deposits left on the sparkplugs then years ago.





Point the timing gun light down to the area next to the start and Remove the timing cover plate, and the blink of the light should match the TC (top center) setting on the flywheel as it spins around. If it is after or before the light, then you have to adjust the distributor to line it up.



Adjusting the Distributor : Slightly loosen the distributor bolt into the block so the distributor can turn. While the engine is running, point the timing light to the flywheel. If you turn the distributor clockwise you are advancing the timing, thus making the markings move forward or up. If you turn the distibutor counterclockwise you are slowing the timing down, i.e. markings will go down.



When you move the distributor one way or the other, you should be able to hear it run better as you approach the proper timing setting. The sound of the engine running should produce a consisitent "purring" when idling.

CAUTION: Engine is hot	TIP: Becareful when touching any of the engine components while engine is running. 1) engine will be hot 2) Electrical shock can zap you when touching components.
	After the distributor is located in its optimium position, tighten the nut holding the distributor, and disconnect the timing light.
	Next, you will want to check the Fuel system in the carburaetor. If you have a vacuum gauge connect it to the carb and let your jeep idle. While idling, you want to adjust the carb to the minimum setting before the jeep will die out.
	Steps under review.