Thank you for purchasing our new CAS trigger wheel!

IMPORTANT NOTES!

The Nissan distributors are not very consistent between one another, and as such the trigger offset <u>MUST BE VERIFIED WITH A TIMING LIGHT</u> to get your ignition timing running correctly with your new trigger wheel! Also the wheel is marked with which side faces UP!

The trigger wheel is a 24-2 pattern that runs at cam speed. We recommend starting with an initial offset of 60 degrees and setting the timing to a fixed 15 degrees BTDC (or whatever other angle on your crank pulley that you can read with a timing light). Start the car and see if it idles. If it does, then adjust the offset in small increments until your light reads the same as the fixed time (e.g. 15 degrees).

If it does NOT idle, try jumping in 10 degree increments in both directions, e.g. try 50 degrees, then 70. It's best to do this with a second person, so you can tell during cranking if you're moving in the correct direction or not.

When you have it dialed in, please send us your final offset value to <u>support@diyautotune.com</u>; with enough data points we hope to be able to better narrow down the recommended starting point for future customers. Thanks!

nition Options / Wheel Decoder						_
C Spark Mode (Dizzy,EDIS,wheel)	Toothed wheel		I Fixed Advance	Fixed	timing	-
Trigger Angle/Offset(deg) Angle Between Main And Return(deg)	3.50 50.0	*	Ose Prediction	1st Deriv F	rediction	
Oddfire First Angle	90.0	4 > 4 >	W Timing For Fixed Adv	ance(degrees)	15.0	
	Off		Cranking Dwell(ms)		8.0	-
🕼 Use Cam Signal If Available	On	-	Cranking Advance(de	grees)	10.0	
🚺 Oddfire Phasing	Alternate	-	✓ ⑦ Toyota Multiplex	Off		
👔 Skip Pulses	3	•	C Dwell Type	Standard	Dwell	1
🕻 👔 Ignition Input Capture	Falling Edge	-	Nominal Dwell(ms)		3.0	-
🕐 🕄 Spark Output	Going High	-	Spark Duration(ms)		1.5	-
🛿 🕜 Number of coils	Wasted spark	-	Dwell Time(ms)		0.7	
👔 Spark A Output Pin (IGN1 Normal)	IGN1	-	@ Dwell Duty(%)		50	-
🕼 Cam Input (see tooltip)	Cam input	-	NOTE: Spark hardware late			ed
Flip Polarity On Cam	Normal	-	you notice spark retard with		40	_
🕼 Trigger Wheel Arrangement Single whee	I with missing tooth	1 -	Middle LED Indicator		,	
🕐 🕄 Trigger Wheel Teeth(teeth)	24	÷	Kick-start crank delay	Off		1
🕻 🚺 Missing Teeth(teeth)	2	-	Delay(ms)		1.000	F
🖉 👔 Tooth #1 Angle(deg BTDC)	60.0	-	Custom Oddfire Angles In S	equence From	#1	
🖉 🕜 Wheel Speed	Cam wheel	-				
🚺 Second Trigger Active On	Rising edge	-		🥑 🚺 2nd	180.0	-
🕼 Level For Phase 1	Low	-	3rd 180.0	leter ut	100.0	F
IN And Every Rotation Of	Cam	-	● 3rd 180.0 🗟	< 🖬 4th	180.0	ľ
						_