

Choosing the Correct Base Map

1. Go to "EFI Maps" in the Main Tool Bar, then click "EFI Map Listings".

If your motorcycle is a Throttle By Wire motorcycle..... Select Main Menu→EFI Maps→EFI Map Listings / TBW (tbw file)

If your motorcycle is a Throttle By Cable motorcycle.... Select Main Menu→EFI Maps→EFI Map Listings / TBC (slk file)

If your motorcycle is a VROD motorcycle.... Select Main Menu→EFI Maps→EFI Map Listings / VROD (slk file)



This screen appears slightly different in the Smartlink Software





A list of available Base Maps should appear. Start by click "Update all Maps" this will insure you have all of the current maps available.

e	Manufacturer	EngineType	Family	Throttle	Exhaust	Extended Details -		
268	Harley Davidson	96	TwinCam TBC (cable)	Stock 46mm (3.91 Inj)	Stock FX Stag Duals	Air Claspor	Hi Elow Air Cleaner	
269	Harley Davidson	103	TwinCam TBC (cable)	Stock 46mm (3.91 Inj)	Stock FX Stag Duals	Air Clearler	I FIOW AIr Clearler	
280	Harley Davidson	103	TwinCam TBC (cable)	Stock 46mm (3.91 Inj)	True Dual Samson Fish Ta	Cam	Stock	
281	Harley Davidson	103	TwinCam TBC (cable)	Stock 46mm (3.91 Inj)	Short Curved Duals	Com	1	
282	Zippers	103	TwinCam TBC (cable)	Stock 46mm (4.89 Inj)	Stock FX Stag Duals	Muffler	Stock Slip Ons	
283	Harley Davidson	103	TwinCam TBC (cable)	Stock 46mm (3.91 Inj)	2:1 D&D FatCat (No Cats			
290	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	True Dual Rinehart includes classic T	Cylinder Head	Stock	
291	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	2:1 Rinehart			
292	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09'up FL Head Pipe (With	Piston	Stock	
294	Harley Davidson	110	TwinCam TBW	Stock (Stock 4.22 Inj)	Vance & Hines Power Duals (No		Mana	
296	Harley Davidson	110	TwinCam TBW	Stock (Stock 4.22 Inj)	2:1 Rinehart	Modifications	INONE	
297	Harley Davidson	110	TwinCam TBW	Stock (Stock 4.22 Inj)	True Dual Rinehart includes classic T	Date	06-16-2017	_
298	Harley Davidson	103	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09'up FL Head Pipe (With		1	
300	Harley Davidson	103	TwinCam TBW	Stock (Stock 4.22 Inj)	09'- 12' 2:1 Head Pipe (NO			
301	Harley Davidson	103	TwinCam TBW	Stock (Stock 4.22 Inj)	True Dual Rinehart includes classic T	No	tes / Comments	
302	Harley Davidson	103	TwinCam TBW	Stock (Stock 4.22 Inj)	2:1 Rinehart	Hotes / comments		
303	Harley Davidson	103	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C	Notes:		3
306	Harley Davidson	103	TwinCam TBW	Stock (Stock 4.22 Inj)	Vance & Hines Power Duals (No			
311	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C	< Man Lindate Hist	orv >	
312	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C	M81140000000000	0-March 23, 2017	
313	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C	HTSSS9SASN03231	17-June 16, 2017 #437	
314	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C			
315	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C			
316	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C			
317	Harley Davidson	96	TwinCam TBW	Stock (Stock 4.22 Inj)	Stock 09' FL Head Pipe (No C			
318	Harley Davidson	110	TwinCam TBW	Stock (Stock 4.22 Ini)	True Dual Samson Calibar (Steppe			

These maps have been engineered and designed using popular component combinations.

Note: Due to the number of components available, some combinations may not be listed. The ThunderMax is designed to utilize the map that most closely matches your combination and automatically make adjustments as necessary.

2. Under 'Engine Type', use your mouse and 'Right-Click' the engine size that most closely matches your engine.

Base Map Definitions					
	Ite	Manufacturer	EngineType	Family	
	531	HarleyDavidson	80ci	EVO	
	532	HarleyDavidson	80ci	EVO	
	533	HarleyDavidson	80ci	EVO	
	534	HarleyDavidson	80ci	EVO	
	538	HarleyDavidson	80ci	EVO	
	586	HarleyDavidson	1100	TwinCam A&B	
	590	HarleyDavids in	103ci	Ty nCam A&B	
	591	HarleyDavidson	1000	TwinCam A&B	
	592	HarleyDavidson	103ci	TwinCam A&B	
	593	HarleyDavidson	103ci	TwinCam A&B	
	594	HarlevDavidson	103ci	TwinCam A&B	





3. Now, Scrolling to the right, 'Right-Click' the **Cam** that most closely matches yours.

e Map Definition	IS		
uffler	AirCleaner	Cam	
N/A	8"Diam/2.75" Deep	Andrews EV27	
100 Mufflers	8"Diam/2.75" Deep	Red Shift TC 559	H
100 Mufflers	8"Diam/2.75" Deep	Andrews EV27	
= FLT/HT	8"Diam/2.75" Deep	Andrews EV27	
= FLT/HT	8"Diam/2.75" Deep	Andrews EV27	
= FLT/HT	Hi-Flow/2.75" Deep	SL 200	
) FLT Mufflers	Hi-Flow/2.25" Deep	SE 253 (CVO)	
FLT Mufflers	Hi-Flow/2.75" Deep	SE 200 (000)	
100 Mufflers	Hi-Flow/2.75" Deep	SE 253 (CVO)	
ID Mufflers	Hi-Flow/2.75" Deep	SE 253 (CVO)	
N/A	Hi-Flow/2.25" Deep	SE 253 (CVO)	
N/A	Hi-Flow/2.75" Deep	SE 253 (CVO)	
= FLT/HT	Hi-Flow/2.25" Deep	SE 253 (CVO)	
	Hi-Flow/2 75" Deep	SE 253 (CVO)	

If your specific cam is not listed, use the chart below to determine which is the closest.

Cam Specification Chart-Cam Specs

 Now, scroll back to the heading 'Throttle' and 'Right-Click' on the throttle-body with the injector size closest to yours.

_	-	
	Family	Throttle
	EVO	'01-'05 50mm Zippers (stock 4.22 Inj)
	EVO	'01-'05 50mm Zippers (stock 4.22 Inj)
	EVO	'01-'05 50mm Zippers (stock 4.22 Inj)
	EVO	'01-'05 50mm Zippers (stock 4.22 Inj)
	EVO	'01-'05 50mm Zippers (stock 4.22 Inj)
	TwinCam A&B	Stock HD TC 06-07 all, '08-up FX (25° Inj)
	TwinCam A&B	Citer HD 01-05 (Stock Hizzand)
	TwinCam A&B	01-'05 50mm Zippers (stock 4.22 Inj)
	TwinCam A&B	UT-US 50 mm Zippore (stark (122 ml))
	TwinCam A&B	'01-'05 50mm Zippers (stock 4.22 Inj)
	TwinCam A&B	Stock HD 01-05 (Stock 4 22 Ini)

Click the link below to determine which injectors you have.

Fuel Injection-How to Identify Injectors-Fuel Injector Specs

At this point you should have you list of available maps narrowed to just a few and can load the map of your choice by following the steps in the link below.

Maps-How to Load from Database

How to Load Database Map

