



GENUINE MOTOR PARTS AND MOTOR ACCESSORIES BULLETIN



PAB1105

2020-09-16

PAB1105: SCREAMIN' EAGLE CALIBRATIONS & SMART TUNE UPDATES

Purpose for Parts and Accessories Bulletin

To inform dealers, that **new** Screamin' Eagle® calibrations are now available for 49 State application. These calibrations are for the launched Touring (119/122 ci) Stage III Kits and Softail® (128/131ci) Stage IV Kits/Crate.

Smart Tune software program enhancements within latest software release.

Markets Affected

All markets are affected.

Key Messages

- The Screamin' Eagle team has updated the Street Tuner application to showcase all necessary 49 State calibrations to cover:
 - Screamin' Eagle Touring 119/122 ci Stage III Kits
 - Screamin' Eagle Softail 128/131ci Stage IV kits
 - Screamin' Eagle 131 ci Softail Crate engines
- Screamin' Eagle Smart Tune software program has been enhanced to allow for more advanced data acquisition over a broader range. The +/- 4 and +/- 10 limits have been removed, while in Smart Tune mode only, to recenter base values. This results in a more accurate population of the Volumetric Efficiency (VE) tables and delivers a superior calibration and riding experience.

Summary and Parts Affected

The following part numbers have 49 State calibrations available for immediate use. In Table 1 are the **new** stage kits / crates which are impacted:

Table 1. Screamin' Eagle Milwaukee-Eight® Kit/Crate

Part No.	Model	Type	Crate/Kit	Finish
16200341	Softail	Engine	131 ci Performance Crate	Black & Chrome
16200342	Softail	Engine	131 ci Performance Crate	Black & Gloss Black
92500094	Softail	107 ci to 128 ci	Stage IV Kit	Black Highlighted
92500095	Softail	114 ci to 131 ci	Stage IV Kit	Black Highlighted
92500084	Touring	107 ci to 119 ci	Stage III Kit	Black Highlighted
92500086	Touring	114 ci to 122 ci	Stage III Kit	Black Highlighted

The Smart Tune software program has been enhanced to allow for more advanced data acquisition over a broader range. The +/- 4 and +/- 10 limits have been removed while in Smart Tune mode **ONLY**. This results in a more accurate population of the VE tables and delivers a superior calibration and riding experience.

See Figure 1. Highlights the emissions area.



1484001	Throttle Position (%)													
RPM	3.0	4.0	5.0	7.5	10.0	15.0	20.0	25.0	30.0	40.0	60.0	80.0	90.0	100.0
700	78.0	79.0	80.5	87.5	91.0	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.5
850	79.0	80.0	81.5	87.5	91.0	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.0
1000	81.5	82.5	83.0	89.0	91.5	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.0
1125	82.0	83.5	84.5	90.0	91.0	92.0	91.5	90.0	89.5	88.5	90.5	91.5	94.0	94.0
1250	80.5	82.0	84.5	90.0	90.5	91.5	91.5	90.5	90.0	89.5	90.5	91.0	93.5	93.5
1500	79.5	80.5	84.0	88.5	90.5	91.5	91.5	91.0	90.0	89.5	91.0	91.0	92.5	93.0
1750	78.0	80.0	82.0	88.0	92.5	91.5	92.0	91.5	88.5	87.0	90.0	91.0	90.5	90.0
2000	76.5	78.5	81.0	87.5	93.5	93.0	91.0	91.0	89.0	86.0	89.0	89.0	89.0	88.0
2250	74.0	78.0	80.5	88.0	93.5	92.0	90.0	89.5	89.0	86.0	86.5	87.0	87.5	87.5
2500	68.0	71.5	80.5	88.0	93.0	93.0	90.5	89.0	89.5	86.5	86.5	86.5	88.0	87.5
2750	65.0	68.0	80.0	87.5	94.0	94.5	92.5	90.5	90.5	88.5	86.5	87.5	90.0	90.0
3000	64.0	67.5	76.5	87.0	94.0	97.0	96.0	92.0	90.5	88.0	86.0	88.0	90.0	90.0
3500	64.5	67.0	70.0	83.5	91.5	99.0	98.5	93.0	91.0	88.0	85.5	87.5	88.0	88.0
4000	66.5	68.0	69.5	74.5	85.5	97.0	97.0	92.0	90.0	87.0	84.0	84.0	85.0	85.0
4500	67.0	68.5	70.0	71.5	78.0	94.5	96.0	91.5	89.0	85.0	81.0	81.0	82.5	82.5
5000	67.0	68.5	70.0	71.5	74.5	87.0	93.0	88.5	85.5	82.5	77.5	77.0	78.0	78.0
5500	67.0	68.5	70.0	71.5	73.5	82.0	89.0	86.5	83.0	80.0	75.0	74.0	73.5	73.0
6000	67.0	68.5	70.0	71.5	73.5	82.0	87.0	85.5	83.0	80.0	75.5	74.0	73.5	73.0
6500	67.0	68.5	70.0	71.5	73.5	82.0	85.5	84.5	83.0	80.0	76.0	74.0	73.5	73.0

Figure 1.

See Figure 2. Showcases the entire VE area and indicates it is adjustable in Smart Tune with the limits disabled.

1484005	3.0	4.0	5.0	7.5	10.0	15.0	20.0	25.0	30.0	40.0	60.0	80.0	90.0	100.0
700	78.0	79.0	80.5	87.5	91.0	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.5
850	79.0	80.0	81.5	87.5	91.0	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.0
1000	81.5	82.5	83.0	89.0	91.5	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.0
1125	82.0	83.5	84.5	90.0	91.0	92.0	91.5	90.0	89.5	88.5	90.5	91.5	94.0	94.0
1250	80.5	82.0	84.5	90.0	90.5	91.5	91.5	90.5	90.0	89.5	90.5	91.0	93.5	93.5
1500	79.5	80.5	84.0	88.5	90.5	91.5	91.5	91.0	90.0	89.5	91.0	91.0	92.5	93.0
1750	78.0	80.0	82.0	88.0	92.5	91.5	92.0	91.5	88.5	87.0	90.0	91.0	90.5	90.0
2000	76.5	78.5	81.0	87.5	93.5	93.0	91.0	91.0	89.0	86.0	89.0	89.0	89.0	88.0
2250	74.0	78.0	80.5	88.0	93.5	92.0	90.0	89.5	89.0	86.0	86.5	87.0	87.5	87.5
2500	68.0	71.5	80.5	88.0	93.0	93.0	90.5	89.0	89.5	86.5	86.5	86.5	88.0	87.5
2750	65.0	68.0	80.0	87.5	94.0	94.5	92.5	90.5	90.5	88.5	86.5	87.5	90.0	90.0
3000	64.0	67.5	76.5	87.0	94.0	97.0	96.0	92.0	90.5	88.0	86.0	88.0	90.0	90.0
3500	64.5	67.0	70.0	83.5	91.5	99.0	98.5	93.0	91.0	88.0	85.5	87.5	88.0	88.0
4000	66.5	68.0	69.5	74.5	85.5	97.0	97.0	92.0	90.0	87.0	84.0	84.0	85.0	85.0
4500	67.0	68.5	70.0	71.5	78.0	94.5	96.0	91.5	89.0	85.0	81.0	81.0	82.5	82.5
5000	67.0	68.5	70.0	71.5	74.5	87.0	93.0	88.5	85.5	82.5	77.5	77.0	78.0	78.0
5500	67.0	68.5	70.0	71.5	73.5	82.0	89.0	86.5	83.0	80.0	75.0	74.0	73.5	73.0
6000	67.0	68.5	70.0	71.5	73.5	82.0	87.0	85.5	83.0	80.0	75.5	74.0	73.5	73.0
6500	67.0	68.5	70.0	71.5	73.5	82.0	85.5	84.5	83.0	80.0	76.0	74.0	73.5	73.0

Figure 2.

See Figure 3. Showcases **new** VE numbers acquired during a dynamometer session.

1484009	Throttle Position (%)													
RPM	3.0	4.0	5.0	7.5	10.0	15.0	20.0	25.0	30.0	40.0	60.0	80.0	90.0	100.0
700	0.0	0.0	0.0	86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
850	0.0	0.0	83.5	88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	85.0	87.0	89.5	86.0	85.0	83.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1125	0.0	88.5	89.0	93.0	90.0	86.0	84.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1250	0.0	84.5	90.0	93.5	92.5	92.0	89.5	86.0	85.5	84.5	84.5	85.5	85.5	0.0
1500	0.0	84.0	89.0	93.5	92.5	91.5	90.0	89.0	86.5	84.5	85.0	85.0	86.0	86.5
1750	0.0	81.0	88.0	92.0	92.5	93.5	90.5	87.5	85.0	83.5	83.5	84.0	84.0	85.0
2000	0.0	0.0	85.0	90.0	94.0	90.5	89.5	87.0	88.0	83.0	84.5	82.0	84.0	84.0
2250	0.0	0.0	0.0	90.0	93.5	90.5	88.0	87.0	87.0	84.0	83.5	82.0	83.0	85.0
2500	0.0	0.0	0.0	92.0	95.0	93.5	90.5	88.5	87.0	88.0	85.0	85.0	85.0	86.5
2750	0.0	0.0	0.0	92.5	97.5	97.0	93.0	90.0	89.0	86.0	86.0	86.0	87.0	89.0
3000	0.0	0.0	0.0	87.0	97.5	98.5	93.5	90.0	88.0	85.5	85.5	87.0	87.0	88.0
3500	0.0	0.0	0.0	79.0	93.0	97.0	93.5	89.0	88.0	84.5	83.0	84.0	85.0	85.0
4000	0.0	0.0	0.0	74.0	88.5	95.0	94.5	89.5	87.5	84.0	82.5	82.0	83.5	83.5
4500	0.0	0.0	0.0	70.0	81.5	94.5	92.0	89.5	86.0	83.5	80.5	79.0	80.5	81.0
5000	0.0	0.0	0.0	0.0	75.0	88.5	89.5	86.5	83.5	80.5	77.0	75.5	76.5	76.0
5500	0.0	0.0	0.0	0.0	0.0	81.5	84.5	82.0	79.0	76.0	74.0	72.0	72.5	72.5
6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 3.

See Figure 4. Showcases the **new** VE's generated in Smart Tune and applied to the working table.

1484013	Throttle Position (%)													
RPM	3.0	4.0	5.0	7.5	10.0	15.0	20.0	25.0	30.0	40.0	60.0	80.0	90.0	100.0
700	78.0	79.0	80.5	86.0	91.0	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.5
850	79.0	80.0	83.5	88.0	91.0	92.0	91.5	90.5	89.5	89.5	90.5	92.0	94.0	94.0
1000	81.5	85.0	87.0	89.5	86.0	85.0	83.5	90.5	89.5	89.5	90.5	92.0	94.0	94.0
1125	82.0	88.5	89.0	93.0	90.0	86.0	84.5	90.0	89.5	88.5	90.5	91.5	94.0	94.0
1250	80.5	84.5	90.0	93.5	92.5	92.0	89.5	86.0	85.5	84.5	84.5	85.5	85.5	93.5
1500	79.5	84.0	89.0	93.5	92.5	91.5	90.0	89.0	86.5	84.5	85.0	85.0	86.0	86.5
1750	78.0	81.0	88.0	92.0	92.5	93.5	90.5	87.5	85.0	83.5	83.5	84.0	84.0	85.0
2000	76.5	78.5	85.0	90.0	94.0	90.5	89.5	87.0	88.0	83.0	84.5	82.0	84.0	84.0
2250	74.0	78.0	80.5	90.0	93.5	90.5	88.0	87.0	87.0	84.0	83.5	82.0	83.0	85.0
2500	68.0	71.5	80.5	92.0	95.0	93.5	90.5	88.5	87.0	88.0	85.0	85.0	85.0	86.5
2750	65.0	68.0	80.0	92.5	97.5	97.0	93.0	90.0	89.0	86.0	86.0	86.0	87.0	89.0
3000	64.0	67.5	76.5	87.0	97.5	98.5	93.5	90.0	88.0	85.5	85.5	87.0	87.0	88.0
3500	64.5	67.0	70.0	79.0	93.0	97.0	93.5	89.0	88.0	84.5	83.0	84.0	85.0	85.0
4000	66.5	68.0	69.5	74.0	88.5	95.0	94.5	89.5	87.5	84.0	82.5	82.0	83.5	83.5
4500	67.0	68.5	70.0	70.0	81.5	94.5	92.0	89.5	86.0	83.5	80.5	79.0	80.5	81.0
5000	67.0	68.5	70.0	71.5	75.0	88.5	89.5	86.5	83.5	80.5	77.0	75.5	76.5	76.0
5500	67.0	68.5	70.0	71.5	73.5	81.5	84.5	82.0	79.0	76.0	74.0	72.0	72.5	72.5
6000	67.0	68.5	70.0	71.5	73.5	82.0	87.0	85.5	83.0	80.0	75.5	74.0	73.5	73.0
6500	67.0	68.5	70.0	71.5	73.5	82.0	85.5	84.5	83.0	80.0	76.0	74.0	73.5	73.0

Figure 4.

Questions

Direct all other questions to the Dealer Services Representative.