

●Limit & Switches

32	Active Compression Release
33	Active Exhaust
34	Active Intake
35	Adaptive Control
36	EITMS
37	Heated O2 Sensors
38	Knock Control
39	PE Disable RPM
40	PE Disable TPS
41	PE Enable RPM
42	PE Enable TPS
43	RPM Limit

32 Active Compression Release

This switch tells the ECM if the vehicle has active compression release. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active compression release.

アクティブコンプレッションリリースSW

このスイッチは、アクティブコンプレッションリリース用のフラグです。ゼロ（0）をセットすると無効となり、ECMからの出力がシャットオフされます。

（1）で有効となります。

The screenshot shows the 'Limits & Switches' section of the tuning software. The 'Active Compression Release' parameter is selected, and its value is set to 1. The 'Flag (0=Off,1=On)' is set to 1. The 'Tune Items' list on the left shows various engine parameters, with 'Active Compression Release' checked.

Units	Value
Flag (0=Off,1=On)	1

This switch tells the ECM if the vehicle has active compression release. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active compression release.

33 Active Exhaust

This switch tells the ECM if the vehicle has active exhaust control. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active exhaust.

アクティブエキゾーストSW

このスイッチは、アクティブエキゾースト用のフラグです。ゼロ（0）をセットすると無効となり、ECMからの出力がシャットオフされます。

（1）で有効となります。

The screenshot shows the 'Limits & Switches' section of the tuning software. The 'Active Exhaust' parameter is selected, and its value is set to 0. The 'Flag (0=Off,1=On)' is set to 0. The 'Tune Items' list on the left shows various engine parameters, with 'Active Exhaust' checked.

Units	Value
Flag (0=Off,1=On)	0

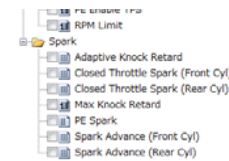
This switch tells the ECM if the vehicle has active exhaust control. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active exhaust.

34 Active Intake

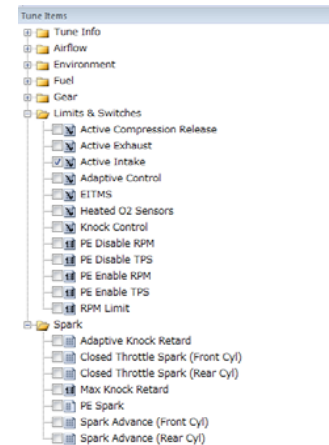
This switch tells the ECM if the vehicle has active intake. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active intake.

アクティブインテークSW

このスイッチは、アクティブインテーク用のフラグです。ゼロ（0）をセットすると無効となり、ECMからの出力がシャットオフされます。
（1）で有効となります。



This switch tells the ECM if the vehicle has active exhaust control. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active exhaust.



Active Intake
SOT103002319.pvt

Units	Value
Flag (0=Off,1=On)	0

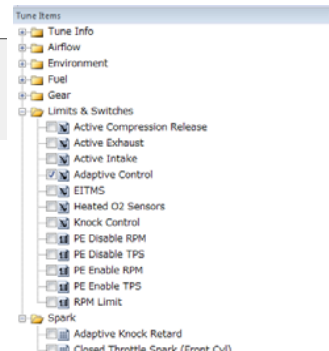
This switch tells the ECM if the vehicle has active intake. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable active intake.

35 Adaptive Control

This switch enables or disables Adaptive control. When in closed-loop the ECM will adapt to engine and environmental changes to maintain a consistent AFR. This works by the ECM first using the VE table to calculate how much fuel to deliver to hit the targeted AFR value. It then uses the O2 sensors to determine what the AFR actually is. If there is a difference, the ECM makes an adjustment and stores the difference in the adaptive fuel table. The Adaptive Fuel table will develop a correction profile that is applied to the fuel calculation for each load region. These values are saved in the ECM's memory and will be reloaded each time the bike is started. A value of zero (0) disables adaptive control. A value of one (1) enables adaptive control.

アダプティブコントロールSW（フィードバック補正フラグ）

このスイッチは、アダプティブコントロール用のフラグです。クローズドループの際、ECMはエンジンのコンディション変化に応じてAFRを調整します。これはECMがVEマップを基に目標AFRのためにどれだけの燃料が必要かを算出し、O2センサーを基に実際のAFRを監視します。もしそこで誤差が生じた場合、ECMはその誤差をアダプティブフェューエルテーブルに蓄え、各負荷エリアにおいて、この補正値を燃料計算にフィードバックします。



Adaptive Control
SOT103002319.pvt

Units	Value
Flag (0=Off,1=On)	1

エンジンコントロール

- Closed Throttle Spark (Rear Cyl)
- Max Knock Retard
- PE Spark
- Spark Advance (Front Cyl)
- Spark Advance (Rear Cyl)

This switch enables or disables Adaptive control. When in closed-loop the ECM will adapt to engine and environmental changes to maintain a constant AFR. This works by the ECM first using the VE table to calculate how much fuel to deliver to hit the targeted AFR value. It then uses the O2 sensor to determine what the AFR actually is. If there is a difference, the ECM makes an adjustment and stores the difference in the adaptive fuel table. The adaptive fuel table will develop a correction profile that is applied to the fuel calculation for each load region. These values are saved in the ECM's memory and will be reloaded each time the bike is started. A value of zero (0) disables adaptive control. A value of one (1) enables adaptive control.

36 EITMS

This switch tells the ECM if the vehicle has an Engine Idle Temp Mgt System. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable EITMS.

EITMS SW

このスイッチは、Engine Idle Temp MGTシステム用のフラグです。

ゼロ (0) をセットすると、フラグオフとなりECMからの出力がシャットオフされます。

1 をセットするとフラグオンとなりEITMSが作動します。

- Tune Items
 - Tune Info
 - Airflow
 - Environment
 - Fuel
 - Gear
 - Limits & Switches
 - Active Compression Release
 - Active Exhaust
 - Active Intake
 - Adaptive Control
 - EITMS
 - Heated O2 Sensors
 - Knock Control
 - PE Disable RPM
 - PE Disable TPS
 - PE Enable RPM
 - PE Enable TPS
 - RPM Limit
 - Spark
 - Adaptive Knock Retard
 - Closed Throttle Spark (Front Cyl)
 - Closed Throttle Spark (Rear Cyl)
 - Max Knock Retard
 - PE Spark
 - Spark Advance (Front Cyl)
 - Spark Advance (Rear Cyl)

EITMS

10T103002319.pvt

Units	Value
Flag (0=Off, 1=On)	0

This switch tells the ECM if the vehicle has an Engine Idle Temp Mgt System. A value of zero (0) means this vehicle does not have this feature, or the output from the ECM. A value of one (1) means this vehicle does have this feature and will enable EITMS.

37 Heated O2 Sensors

This switch tells the ECM if the vehicle has heated O2 sensors. A value of zero (0) means this vehicle does not have this feature, or shuts off the output from the ECM.

O2センサーヒーター SW

このスイッチは、O2センサーヒーター用のフラグです。

ゼロ (0) をセットすると、フラグオフとなりECMからの出力がシャットオフされます。

1 をセットするとフラグオンとなります。

- Tune Items
 - Tune Info
 - Airflow
 - Environment
 - Fuel
 - Gear
 - Limits & Switches
 - Active Compression Release
 - Active Exhaust
 - Active Intake
 - Adaptive Control
 - EITMS
 - Heated O2 Sensors
 - Knock Control
 - PE Disable RPM
 - PE Disable TPS
 - PE Enable RPM
 - PE Enable TPS
 - RPM Limit
 - Spark
 - Adaptive Knock Retard
 - Closed Throttle Spark (Front Cyl)
 - Closed Throttle Spark (Rear Cyl)
 - Max Knock Retard
 - PE Spark
 - Spark Advance (Front Cyl)

Heated O2 Sensors

10T103002319.pvt

Units	Value
Flag (0=Off, 1=On)	1

Spark Advance (Rear Cyl)

This switch tells the ECM if the vehicle has heated O2 sensors. A value of zero (0) means this vehicle does not have this feature, or shuts off the ECM. A value of one (1) means this vehicle does have this feature and the ECM will attempt to control knock.

38 Knock Control

This switch tells the ECM if the vehicle has Knock Control. A value of zero (0) means this vehicle does not have this feature, or disables this feature in the ECM. A value of one (1) means this vehicle does have this feature and the ECM will attempt to control knock.

ノックコントロール SW

このスイッチは、ノックコントロール用のフラグです。

ゼロ（0）をセットすると、フラグオフとなりECMからの出力がシャットオフされます。

1をセットするとフラグオンとなり、ノックコントロールを作動させます。

Tune Items

- Tune Info
- Airflow
- Environment
- Fuel
- Gear
- Limits & Switches
 - Active Compression Release
 - Active Exhaust
 - Active Intake
 - Adaptive Control
 - EITMS
 - Heated O2 Sensors
 - Knock Control
 - PE Disable RPM
 - PE Disable TPS
 - PE Enable RPM
 - PE Enable TPS
 - RPM Limit
- Spark
 - Adaptive Knock Retard
 - Closed Throttle Spark (Front Cyl)
 - Closed Throttle Spark (Rear Cyl)
 - Max Knock Retard
 - PE Spark
 - Spark Advance (Front Cyl)
 - Spark Advance (Rear Cyl)

Knock Control
10T103002319.pvt

Units	Value
Flag (0=Off, 1=On)	1

This switch tells the ECM if the vehicle has Knock Control. A value of zero (0) means this vehicle does not have this feature, or disables this feature in the ECM. A value of one (1) means this vehicle does have this feature and the ECM will attempt to control knock.

39 PE Disable RPM

PE Mode will be disabled at RPM's less than this setting.

PEモード 無効化 RPMしきい値

この回転数以下でPEモードが無効化されます。

Tune Items

- Tune Info
- Airflow
- Environment
- Fuel
- Gear
- Limits & Switches
 - Active Compression Release
 - Active Exhaust
 - Active Intake
 - Adaptive Control
 - EITMS
 - Heated O2 Sensors
 - Knock Control
 - PE Disable RPM
 - PE Disable TPS
 - PE Enable RPM
 - PE Enable TPS
 - RPM Limit
- Spark
 - Adaptive Knock Retard
 - Closed Throttle Spark (Front Cyl)
 - Closed Throttle Spark (Rear Cyl)
 - Max Knock Retard
 - PE Spark
 - Spark Advance (Front Cyl)
 - Spark Advance (Rear Cyl)

PE Disable RPM
10T103002319.pvt

Units	Value
RPM	4500

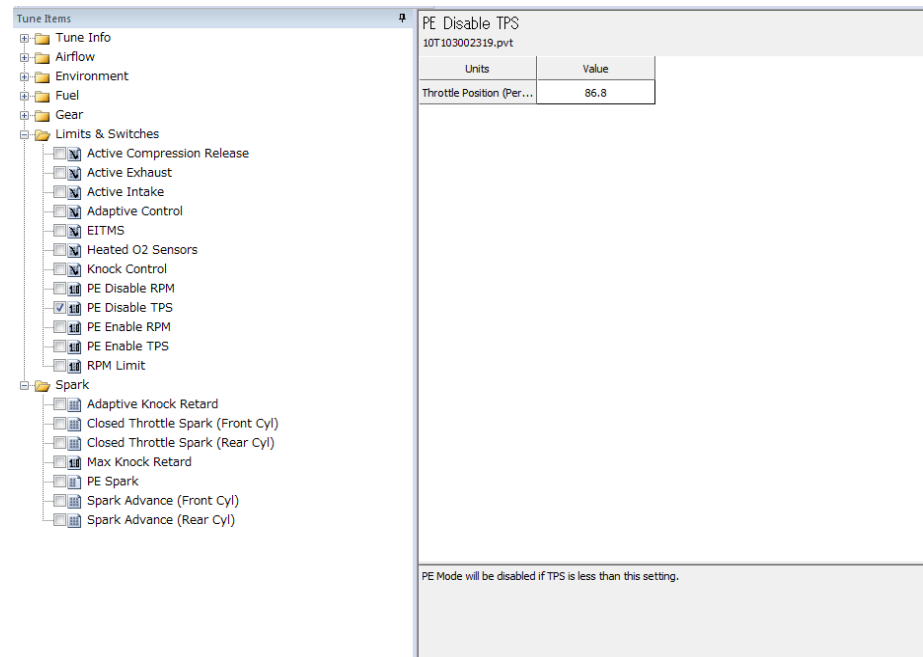
PE Mode will be disabled at RPM's less than this setting.

40 PE Disable TPS

PE Mode will be disabled if TPS is less than this setting.

PEモード 無効化 TPSしきい値

このアクセル開度（TPS）以下でPEモードが無効化されます。



Tune Items

- Tune Info
- Airflow
- Environment
- Fuel
- Gear
- Limits & Switches
 - Active Compression Release
 - Active Exhaust
 - Active Intake
 - Adaptive Control
 - EITMS
 - Heated O2 Sensors
 - Knock Control
 - PE Disable RPM
 - PE Disable TPS
 - PE Enable RPM
 - PE Enable TPS
 - RPM Limit
- Spark
 - Adaptive Knock Retard
 - Closed Throttle Spark (Front Cyl)
 - Closed Throttle Spark (Rear Cyl)
 - Max Knock Retard
 - PE Spark
 - Spark Advance (Front Cyl)
 - Spark Advance (Rear Cyl)

Units	Value
Throttle Position (Per...	86.8

PE Mode will be disabled if TPS is less than this setting.

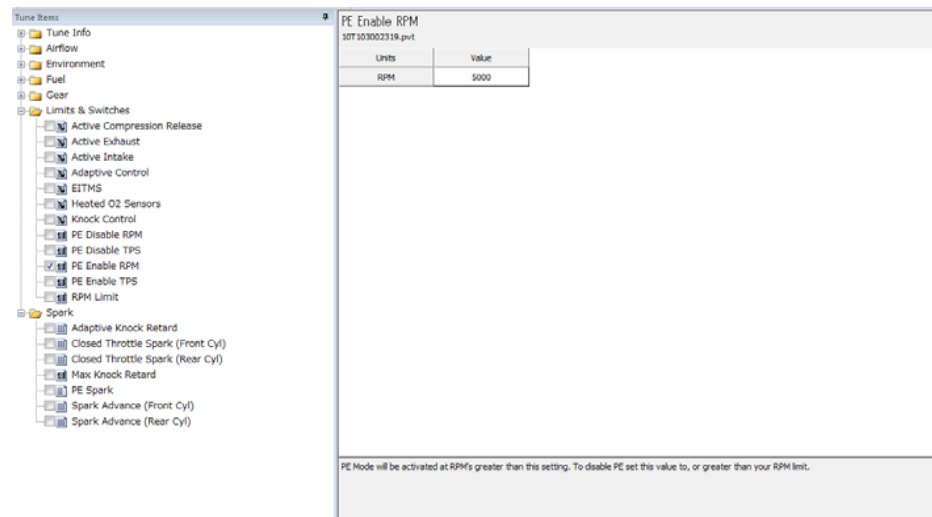
41 PE Enable RPM

PE Mode will be activated at RPM's greater than this setting. To disable PE set this value to, or greater than your RPM limit.

PEモード 有効化 RPMしきい値

この回転数以上でPEモードが有効化します。

PEモードを無効化する場合は、回転数リミッターよりも大きな数値を入力します。



Tune Items

- Tune Info
- Airflow
- Environment
- Fuel
- Gear
- Limits & Switches
 - Active Compression Release
 - Active Exhaust
 - Active Intake
 - Adaptive Control
 - EITMS
 - Heated O2 Sensors
 - Knock Control
 - PE Disable RPM
 - PE Disable TPS
 - PE Enable RPM
 - PE Enable TPS
 - RPM Limit
- Spark
 - Adaptive Knock Retard
 - Closed Throttle Spark (Front Cyl)
 - Closed Throttle Spark (Rear Cyl)
 - Max Knock Retard
 - PE Spark
 - Spark Advance (Front Cyl)
 - Spark Advance (Rear Cyl)

Units	Value
RPM	5000

PE Mode will be activated at RPM's greater than this setting. To disable PE set this value to, or greater than your RPM limit.

42 PE Enable TPS

PE Mode will be activated if TPS is greater than this setting.

PEモード 有効化 TPSしきい値
このアクセル開度（TPS）以上でPEモードが有効化されます。

The screenshot shows the TunerStudio interface with the 'PE Enable TPS' parameter selected in the 'Limits & Switches' category. The parameter is checked and set to 90.0. The right-hand pane displays the parameter name, file path, units, and value.

Units	Value
Throttle Position (Per...	90.0

PE Mode will be activated if TPS is greater than this setting.

43 RPM Limit

Set these values to where you want the rev limit set to. 6200 RPM is common for most 96ci to 103ci combinations. 10250 RPM for VROD

RPMレブリミット
RPMレブリミットを設定します。
96ci-103ciで6200RPMが標準設定で、VRODは10250RPMとなります。

The screenshot shows the TunerStudio interface with the 'RPM Limit' parameter selected in the 'Limits & Switches' category. The parameter is checked and set to 6200. The right-hand pane displays the parameter name, file path, units, and value.

Units	Value
RPM	6200