



GPRP PACKAGE - VERSION MIGRATION

GPRP Package Version Migration December 2014 to February 2016

→ Migration to the new Package requires a new Licence for the February 2016 version (GPRP Part 23068). There is no charge for the new Licence.

Many improvements have been made to the GPRP Package since December 2014.

This Technical Note details the improvements, added features and the strategy to migrate to the February 2016 version.

Legend

Name in December 2014 versionName in Feb 2016 version[Parameter value](#)

▶ IMPROVED FEATURES

Please refer to the document [GPA/GPR Package Version Migration December 2014-July 2015](#) for improved features that precede the following updates in the February 2016 Package:

- Switched outputs now support inverted polarities.
- Coolant fans: Duty cycle minimum/maximum values can be specified.
- Fuel injectors: If located before the throttle, the reference pressure can be further specified as either ambient or boost pressure.
- [Gear Shift Throttle Aim Minimum Duration](#) has been introduced.
- As stated in the **Data Migration** section, the process for handling shifts has been modified slightly, especially for power off upshifts. It is advisable to read the help on [Gear Shift State](#) to compare against the previous Package.
- [Inlet Air Temperature Sensor Trim](#) can be used for simple sensor correction (for example, when experiencing heat soak problems at engine start).
- Added - [Nitrous](#) system with two activation stages and additional fuel pumps, bottle heater control and pressure sensor.
- Added - [Transmission Brake](#) control ('bump') functionality for perfect positioning of cars.
- Added - [Turbocharger Wastegate Pressure](#) control with pressure sensor and two PWM outputs.
- Added - [Transmission Pressure](#) sensor.
- Added - [Turbocharger Inlet/Outlet Temperature](#) sensors.
- Added - [Turbocharger Wastegate Position](#) sensor.
- Wheel circumferences can be changed using a [Driver](#) switch, to support wet/dry tyres for example.

▶ DATA MIGRATION

→ To migrate data from the December 2014 version (01.00.0001) to the February 2016 version, first follow the guide for [GPA/GPR Package Version Migration December 2014-July 2015](#). Once these steps have been carried out, return here to proceed with the migration to GPRP February 2016.

New parameters that are not mentioned in the list that follows must remain at their initial value (0). Tune migration summary warnings can be ignored when following this procedure.

⇒ Objects will be shown as different in the M1 Tune Migration window if their names are different, even if their values have been successfully migrated (new Packages now have a function that allows migration of data from predecessor objects with different names).

The following tables require manual migration since axis channels have changed:

- [Gear Shift Timing](#)
- [Gear Shift Ignition Cut Main](#)
- [Gear Shift Fuel Cut Main](#)
- [Gear Shift Ignition Timing Retard](#)

The process for [Upshift Power Off](#) has also been changed (see help on [Gear Shift State](#)), so the timings for this type must be adjusted.