

VEHICLE STANDARDS & REGULATIONS
QUEENSLAND TRANSPORT
PO BOX 673
FORTITUDE VALLEY Q 4005

Dear Sir

Your Ref:

Our Ref:

**APPLICATION FOR APPROVAL OF MODIFIED TOYOTA PRIUS
BATTERY/CHARGE SYSTEM for TOWNSVILLE CITY COUNCIL:**

OWNER: ADDRESS: VEHICLE: VIN: REG NO:

Thank you for your response regarding the above vehicle alterations.

The vehicle Plug In Conversion performed by 'Plug In Conversions Corporation' is now complete and has been performed in accordance with your Conditions of Approval.

The LV section checklist is completed and attached in .pdf format.

The photo evidence of the conversion is also on the enclosed CDROM.

Key aspects of the above conversion are as follows:

(Further details are found in the attached 'P.I.C.C.' kit specifications.)

- Replace the OEM 6.5 Ah battery pack with a 30 Ah pack of same battery types (Ni MH) custom mountings to suit new mass of approx.160kg.
- Fit the mains powered battery charger(s) for the upgraded battery pack and the accessory pack complete with additional cooling fan.
- Fit a bumper bar power connection complete with Safety Switch.
- Fit a CANBMS module to interface with the OEM controls.
- Other vehicle modifications include conversion of the rear seat to a two person capacity by permanently attaching the centre arm rest to the seat base including removal of its seat belt.
- Replace the rear springs with up-rated coils to suit the additional rear axle load.

The increased battery capacity and size has increased the vehicle tare weight by approximately 106 kg to 1,420 kg, but the vehicle GVM (1,725 kg) has not had to be increased due to the seating capacity reduction to four (4) adults and the removal of the spare wheel.

The total weight of the vehicle = 1,420 kg + 4 x (65 + 10 luggage allowance) kg = 1,720 kg.

The braking system was also checked for performance at the fully loaded condition as follows:

Vehicle Weight = 1,720 kg approx.

Two tests at 110 kmh to zero = 0.73G average / 0.89G maximum with 181-198 N pedal effort.

Therefore the vehicle continues to meet all the applicable ADRs.

Please advise me of the final process for approval (Modification Certificate etc).

Please call me if you have any queries.