

MORGAN ENGINEERING BULLETIN



USA Super 3 - Pedal Box Removal/Alteration & Refit

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Vehicles: USA Super 3

Issue: The Pedal Box Assembly may exhibit reduced braking performance or complete loss of braking, increasing the risk of an accident. The potential defect is caused by the welded Pedal Box Housing Assembly.

Solution: Replace the defective Pedal Box Assembly.

Labour Time: Remove the existing Pedal Box Assembly from the vehicle, carry out alterations and fit the new Pedal Box Assembly – 4 Hours.

Claim Code: SUP3-010US

All instructions in this manual must be adhered to for this stage. Read all instructions carefully and study the photographs. While learning this procedure, quality of work is more important than speed of assembly.

Take care to avoid damage to components throughout. Clean up any spillages promptly.

Safely store all removed parts for the re-fitment process, unless stated otherwise.

Tools Required: 7mm Socket, 15mm Socket, 19mm Socket, Extension Bar, Ratchet, Torque Wrench, 11mm Spanner, 13mm Spanner, 14mm Spanner, 4mm Allen Key or Allen Key Socket, Small Flat Head Screwdriver, Long Nose Pliers, Hose Clamps, Paint Pen, Loctite 243, Brake Vacuum Filling Unit (if available).

PARTS REQUIRED:

SA221480 – PEDAL BOX ASSEMBLY (1 OFF).

The following parts will be attached to SA221480 – PEDAL BOX ASSEMBLY but will require removal prior to assembly:

MGN0027 – NUT M6 X 1 STEEL HEX NYLOC (2 OFF)

U010017 – BOLT M6 X 1.0 X 20 GR8.8 HEX FLG (1 OFF)

F011028 – NUT M8 X 1.25 HEX FLG NYLOC (4 OFF)

Y011054 – BANJO BOLT M10 X 1 (1 OFF)

Y011055 – M10 CRUSH WASHER (2 OFF)

U011035 – WASHER M6 X 1.6 X 18 STEEL FORM G (1 OFF)

U590003 – CIRCLIP 8 X 1.1 STEEL TYPE E FLAT (1 OFF)

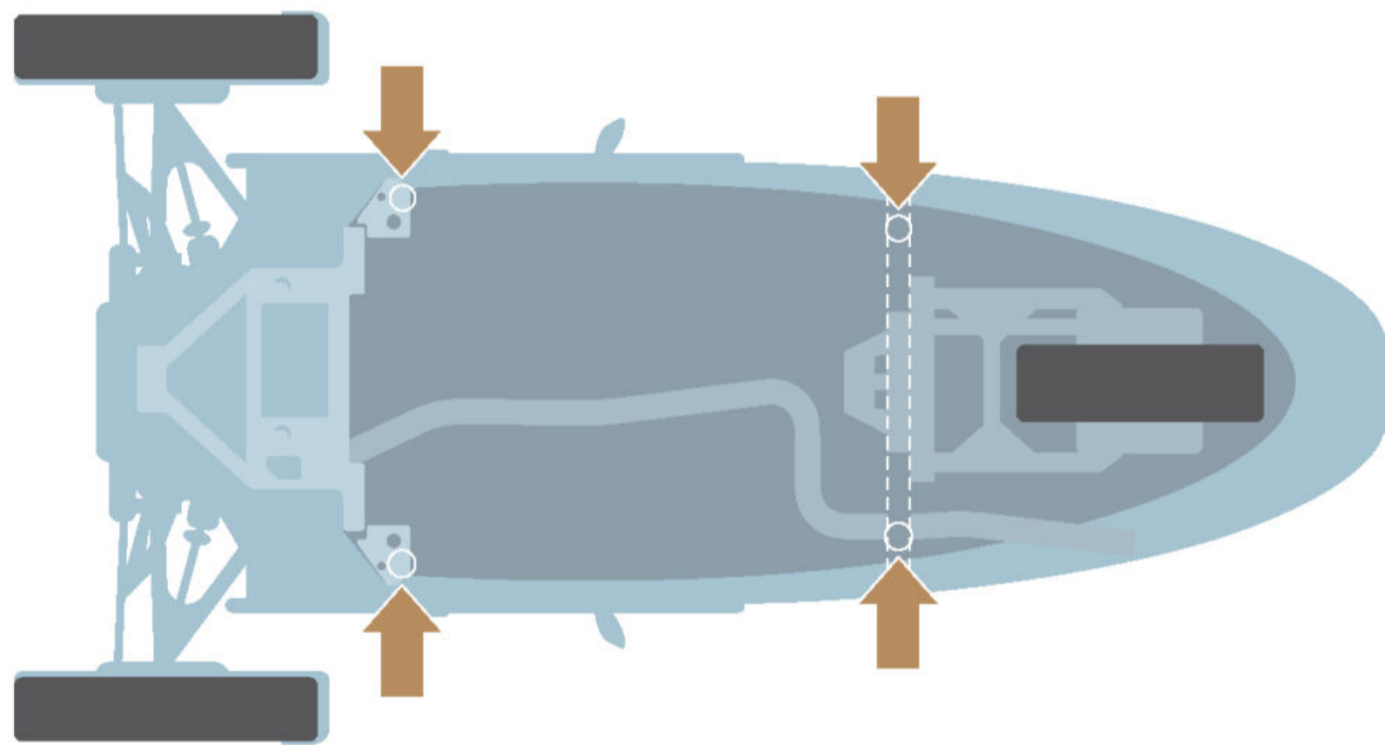
Y191073 – SERRATED WASHER (1 OFF)

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It is recommended that this instruction is not printed. The oBuild site is updated regularly and should be checked often for the latest instructions and updates.

PREREQUISITE:

Prepare the vehicle ready for the work to be carried out. Apply protection around the bodywork of the vehicle. Apply protection to the centre tunnel of the vehicle. The vehicle should be lifted using specialist equipment.



CAUTION: Take great care when lifting the vehicle. Refer to the Super 3 Owner's Handbook for instructions and safety information regarding lifting the vehicle.

CAUTION: Never use a 4 post ramp or inspection pit.

CAUTION: Ensure that the engine is not operating before lifting the vehicle.

CAUTION: Only lift the vehicle using the reinforced jacking points (reference owner's handbook).

Super 3 – Pedal Box Removal Procedure



- Remove the rear seat base from the driver's side by lifting it upwards, disconnect the heated seat (if fitted).



- Remove the front seat base from the driver's side by removing the (x2) bolts with a 4mm hex key.



- Remove the steering wheel centre by pulling it outwards.
- Use a 19mm socket and ratchet to remove the bolt in the centre of the steering wheel.



Make sure the steering wheel is paint marked (if not already marked) to aid the reassembly process later on to ensure the steering wheel is refitted in the same location.

Discard the serrated washer as this MUST NOT be reused.



- If fitted, lift up the luggage rack to allow access to the boot (trunk).
- Open the boot (trunk).
- Remove the boot (trunk) lining by unscrewing the rubber fixings.



The next steps may differ depending on the equipment available within your dealership.

The following steps have been shown using a brake vacuum unit. If a brake vacuum unit is not available the brake fluid can be removed from the brake lines with a aid of another person sat in the vehicle who will be required to pump the brake pedal whilst each caliper is opened to remove the brake fluid.

- Unscrew and remove the brake fluid reservoir cap.



- Attach vacuum pump to rear calliper (if available). Use an 11mm spanner to open the bleed nipple.
- Start the vacuum process to remove the brake fluid (following vacuum filling manufacturer's instructions).
- Continue to the next steps checking the vacuum filling unit periodically.



- Apply protection to the footwell (if not already done as part of the prerequisites).