

**RENAULT Twingo**

Type

S/Section

X06

X

41

41 NEW POSITION OF BATTERY*Other sub-section concerned :***42****Basic manual : M.R. 306**

On these vehicles the battery has been turned through 90 degrees and lowered by 10 mm. This has resulted in the battery tray, bracket and wiring being modified .

The new tray has been reinforced and now consists of two separate parts:

- an assembled compartment,
- a cowl side panel plate.

(See detailed explanation in Technical Note.)

For reasons of standardization the Parts Department will only supply parts as per the latest version. As a result, when replacing one of the following items:

- battery tray,
- front right-hand half unit,
- complete bodywork

on a vehicle built according to the first design, an additional battery feed wiring harness will be needed to accommodate the new position.

(Technical Note No. 2283 covers the modification of this wiring.)

41 SPECIAL POINTS FOR VEHICLES EQUIPPED WITH AN AIRBAG**Basic manual : M.R. 306**

Vehicles equipped with this option have a computer mounted on a bracket which is situated on the floor tunnel in line with the front right-hand seat. For reasons of standardisation, the Parts Department will only supply bodywork parts without the computer bracket.

For this reason, when replacing a complete bodywork section on a vehicle equipped with the airbag option, it will be necessary to order an additional computer bracket and then secure it in position as shown in the following procedure.

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed".

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INTRODUCTION

The replacement of this part is an additional operation when replacing:

- part of front section of front side member,
- the cowl side panel with wheel arch,
- the half unit.

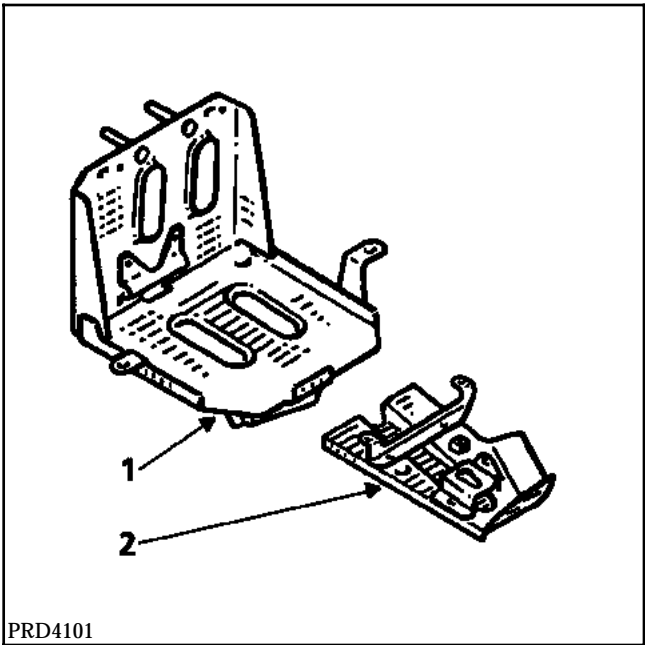
For left-hand side only.

COMPOSITION OF PART FROM PARTS DEPT.

1 - Battery tray consisting of:

- tray base
- side section of tray
- stop
- base reinforcement
- nut and soldered studs

2 - Assembled cowl side member tray

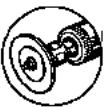


4 CONNECTION WITH COWL SIDE MEMBER TRAY

Panel thickness (mm)

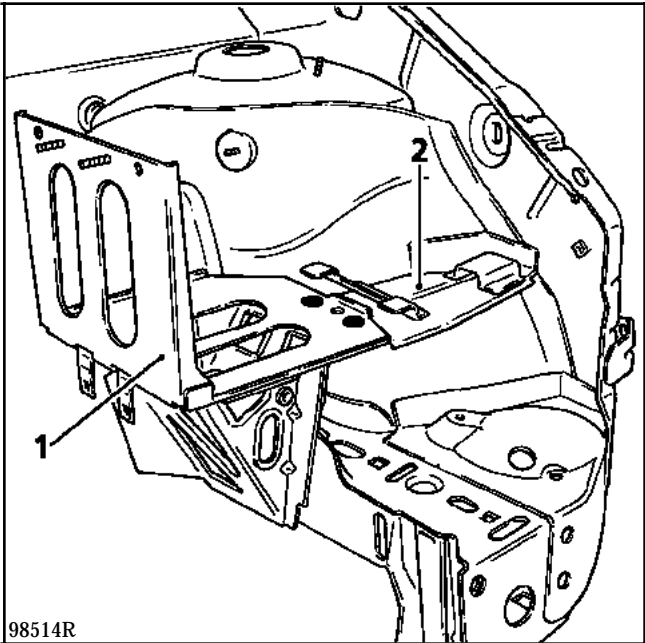
Battery tray	0.7
Cowl side member tray	1
Tray reinforcement	1

Unpicking



2 electric spot welds ground down to two thicknesses (0.70 + 1)

Welding



NOTE: 2 spot welds ground down to 3 thicknesses:
0.7+1+1

INTRODUCTION

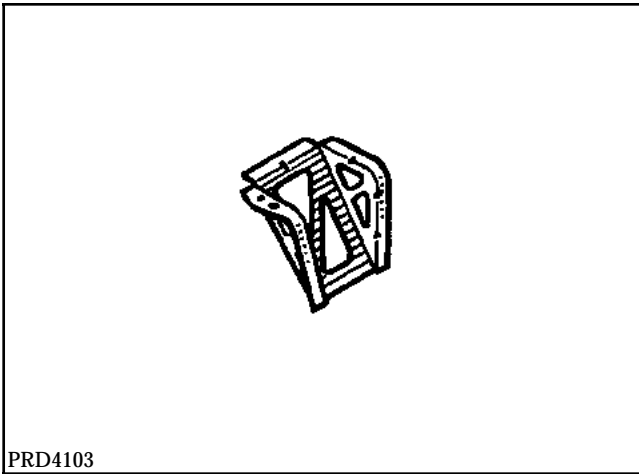
The replacement of this part is an additional operation when replacing:

- part of front section of front side member,
- the cowl side panel with wheel arch.

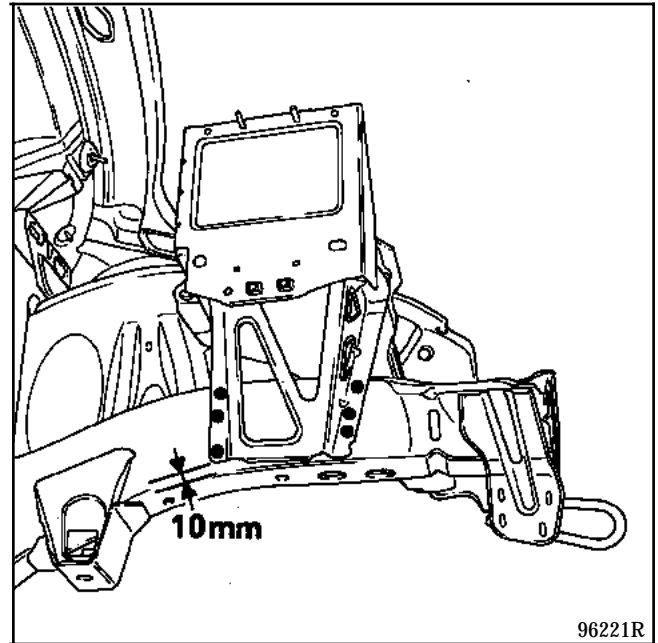
For left-hand side only.

COMPOSITION OF PART FROM PARTS DEPT.

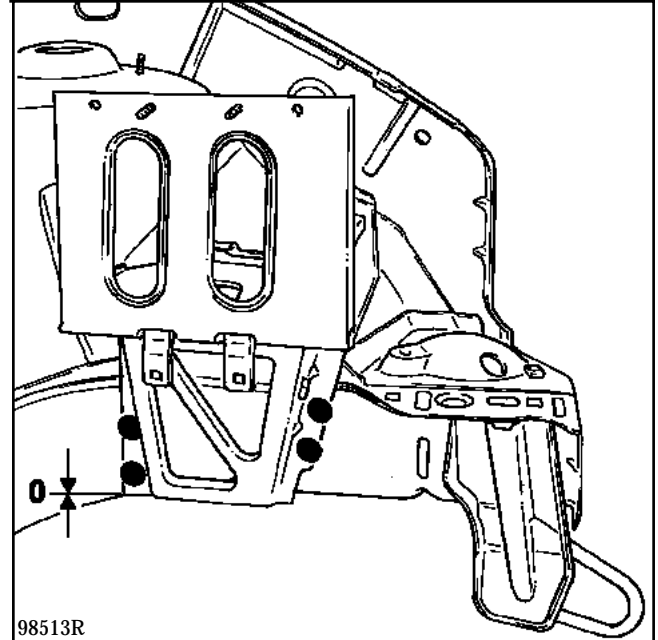
Single part



CONNECTION WITH SIDE MEMBER



Position on old vehicles.



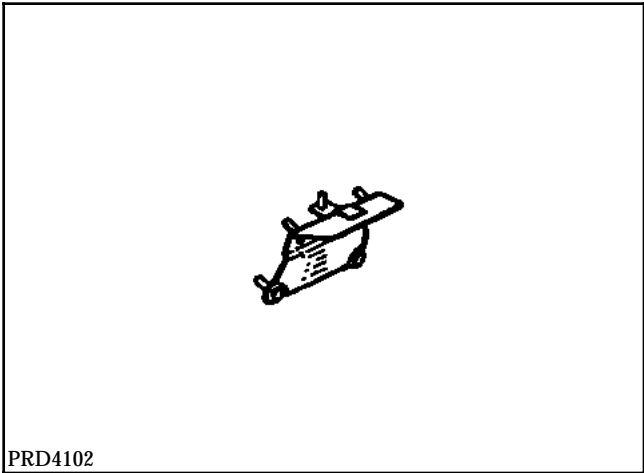
Position on new vehicles.

INTRODUCTION

The replacement of this part is an additional operation when replacing a complete central floor panel.

COMPOSITION OF PART FROM PARTS DEPT.

Assembled part with soldered studs.



1 CONNECTION WITH CENTRAL FLOOR PANEL

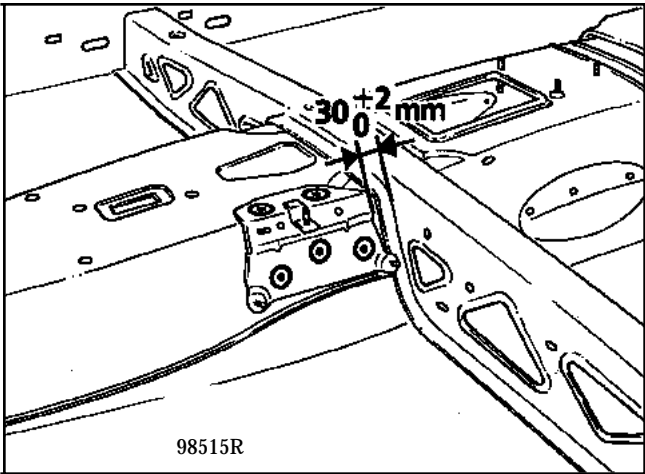
Thickness of panels (mm)

Complete central floor panel	0.7
Airbag computer bracket	1
Tunnel reinforcement	1

Unpicking

The part cannot be used again.

Welding



NOTE: When carrying out a complete bodywork replacement, the connection can be made using **4.8 mm** dia. sealed-type rivets **10 mm** long.