



## Front Side Member (77.30.22/23)

### Removal

#### NOTE :

This procedure requires the body to be removed from the integrated body frame.

#### NOTE :

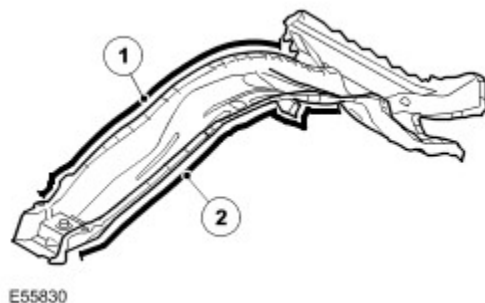
In this procedure the front side member is replaced in conjunction with hood latch panel, front wheelhouse and the front crossmember.

- 1 . Load vehicle onto ramp.
- 2 . Disconnect both the battery cables. For additional information, refer to [Specifications](#) (Section 414-00 Charging System - General Information)
- 3 . L/H side: Remove the battery.
- 4 . Remove the front fender. For additional information, refer to [Fender \(76.10.24\)](#) (Section 501-02 Front End Body Panels)
- 5 . Remove the hood latch panel. For additional information, refer to [Hood Latch Panel \(76.16.22\)](#) (Section 501-27 Front End Sheet Metal Repairs)
- 6 . Remove the front crossmember. For additional information, refer to [Front Crossmember \(77.20.25\)](#) (Section 501-27 Front End Sheet Metal Repairs)
- 7 . Remove the front wheelhouse. For additional information, refer to [Front Wheelhouse](#) (Section 501-27 )
- 8 . Remove the hood.
- 9 . Remove both hood support struts.
- 10 . Remove the hood wiring harness.
- 11 . Remove the plenum chamber panel. For additional information, refer to [Plenum Chamber \(80.15.62\)](#) (Section 412-01 Air Distribution and Filtering)
- 12 . Remove both wiper arms and blades.
- 13 . L/H side: Remove the power steering fluid reservoir. For additional information, refer to [Power Steering Fluid Reservoir - 2.7L Diesel \(57.15.08\)](#) (Section 211-02 Power Steering)
- 14 . Remove the instrument panel. For additional information, refer to [Instrument Panel - 2.7L Diesel \(76.46.23/99\)](#) (Section 501-12 Instrument Panel and Console)
- 15 . Remove the insulation from outer and inner bulkhead.

- 16 . R/H side: Release the ABS modulator.
- 17 . R/H side: Remove the accelerator pedal. For additional information, refer to [Accelerator Pedal \(19.20.01\)](#) (Section 310-02C Acceleration Control - 2.7L Diesel)
- 18 . L/H side: Remove the battery junction box. For additional information, refer to [Battery Junction Box \(BJB\) - 2.7L Diesel \(86.70.55\)](#) (Section 418-00 Module Communications Network)
- 19 . Release the wiring harness from bulkhead.
- 20 . Release the wiring harness from fender apron panel reinforcement.
- 21 . Release the wiring harness from the side member.
- 22 . L/H side: Remove the fuel fired booster heater. For additional information, refer to [Fuel Fired Booster Heater \(80.40.01\)](#) (Section 412-02B Auxiliary Heating)
- 23 . Remove the scuff plate trim panel trim For additional information, refer to [Scuff Plate Trim Panel \(76.49.54\)](#) (Section 501-05 Interior Trim and Ornamentation)
- 24 . Remove the footrest
- 25 . Remove the cowl side trim panel. For additional information, refer to [Cowl Side Trim Panel \(76.13.27\)](#) (Section 501-05 Interior Trim and Ornamentation)
- 26 . Release the front carpet.

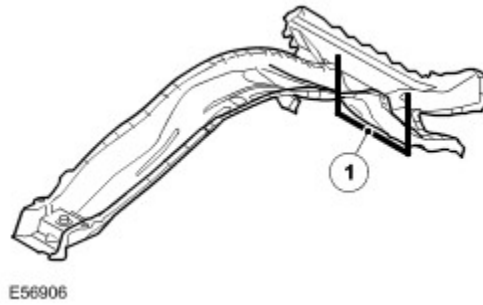
27 .

Item	Description
1	18 spot welds.
2	16 spot welds.



28 .

Item	Description
1	6 plug welds and a butt weld.



- 29 . For additional information:
- Welding. For additional information, refer to [Body Repairs](#) (Section 501-25A Body Repairs - General Information)
  - Corrosion protection. For additional information, refer to [Corrosion Protection](#) (Section 501-25B Body Repairs - Corrosion Protection)
  - Tolerance checks. For additional information, refer to [Body and Frame](#) (Section 501-26 Body Repairs - Vehicle Specific Information and Tolerance Checks)

## Installation

- 1 . Install is the reversal of removal.