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**Fiat Trattori**  
**FIAT**

**«Series 80»  
Wheeled Tractors  
FIAT Cab**

**Workshop Manual**

Sample of manual. Download All 22 pages at:

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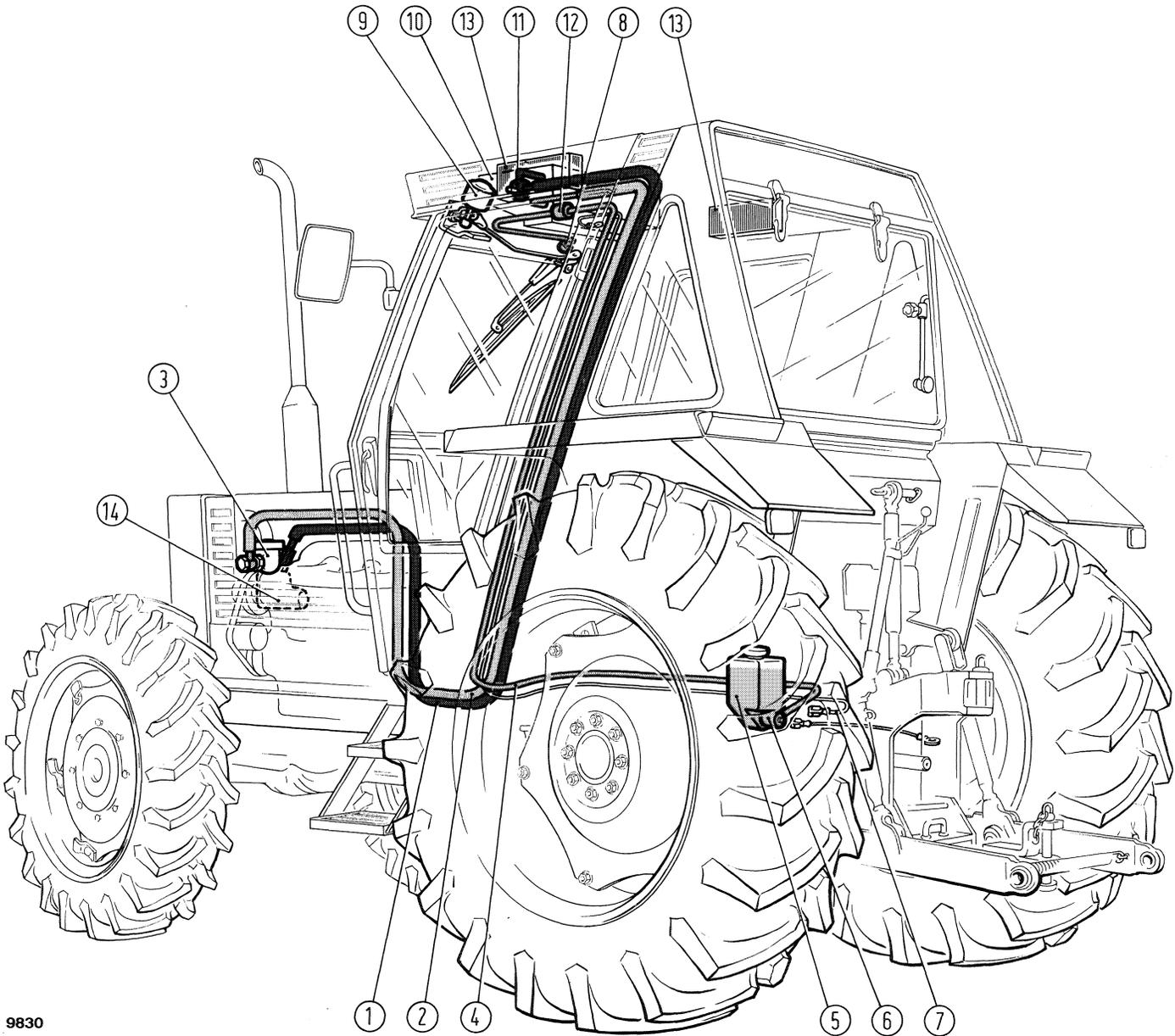
## GENERAL ADVICE

- When retouching cab, use traditional solvent (★) enamel with TA/1 colour point, for orange-painted parts, or colour point TA/3 for white-painted parts.
- When renewing glass panes if possible renew also weather strips.  
To fit glass panes on cab it is further recommended that the weather strips be lubricated with FIAT "PARAFLU 11" fluid or preferably with a water and soap solution.  
Never use oil or grease as these would adversely affect the durability of the weather strips.  
(★) Synthetic enamel with melamine-acrylic resins and catalysts.

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- Water delivery to heater unit
- ▨ Water return from heater unit
- ▩ Windshield washer water



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Fig. 1 - View of cab

1. Water delivery line to heater unit -
2. Water return line from heater unit -
3. Engine thermostat connection -
4. Windshield washer piping -
5. Windshield washer bottle -
6. Windshield washer electric pump -
7. Pump supply cable -
8. Windshield washer nozzle -
9. Windshield wiper motor -
10. Heater unit -
11. Heater unit cock -
12. Check valve -
13. Air cleaners -
14. Engine water pump.

## REMOVAL OF CAB TOGETHER WITH PLATFORM

To remove cab together with platform take off:

- Battery ground cable, starter motor leads, connecting leads for instrument panel and cab controls and indicators, tractor meter cable and throttle and shut-off control linkage from injection pump levers.
- Injection lines, power steering lines (first drain oil from reservoir) and brake hydraulic lines.
- The linkage from the two-wheel drive engagement levers, P.T.O. and parking brake differential lock pedal links.
- Transmission and P.T.O. clutch flexible links.
- Hydraulic lift flexible links from levers located on platform.

Where a response adjuster is fitted by the operator's seat, also disconnect relay link of control valve lever.

- Pipes from the hydraulic lift and remote control valves and the quick-connect half coupling rear support plate.
- Cab heater pipes from water pump connections and thermostat (first drain approx. 5 to 6 l- 9 to 10 pt) of coolant from radiator.

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WARNING - To drain the radiator open heating system cock positioning (P, Fig. 16) on red quadrant, back off radiator lower cap and slightly slacken filler cap. After draining the required quantity of coolant, retighten the radiator lower cap.

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- Back off two capscrews securing cab to platform (one each side) and apply two hooks 292109 (1, Fig. 2).

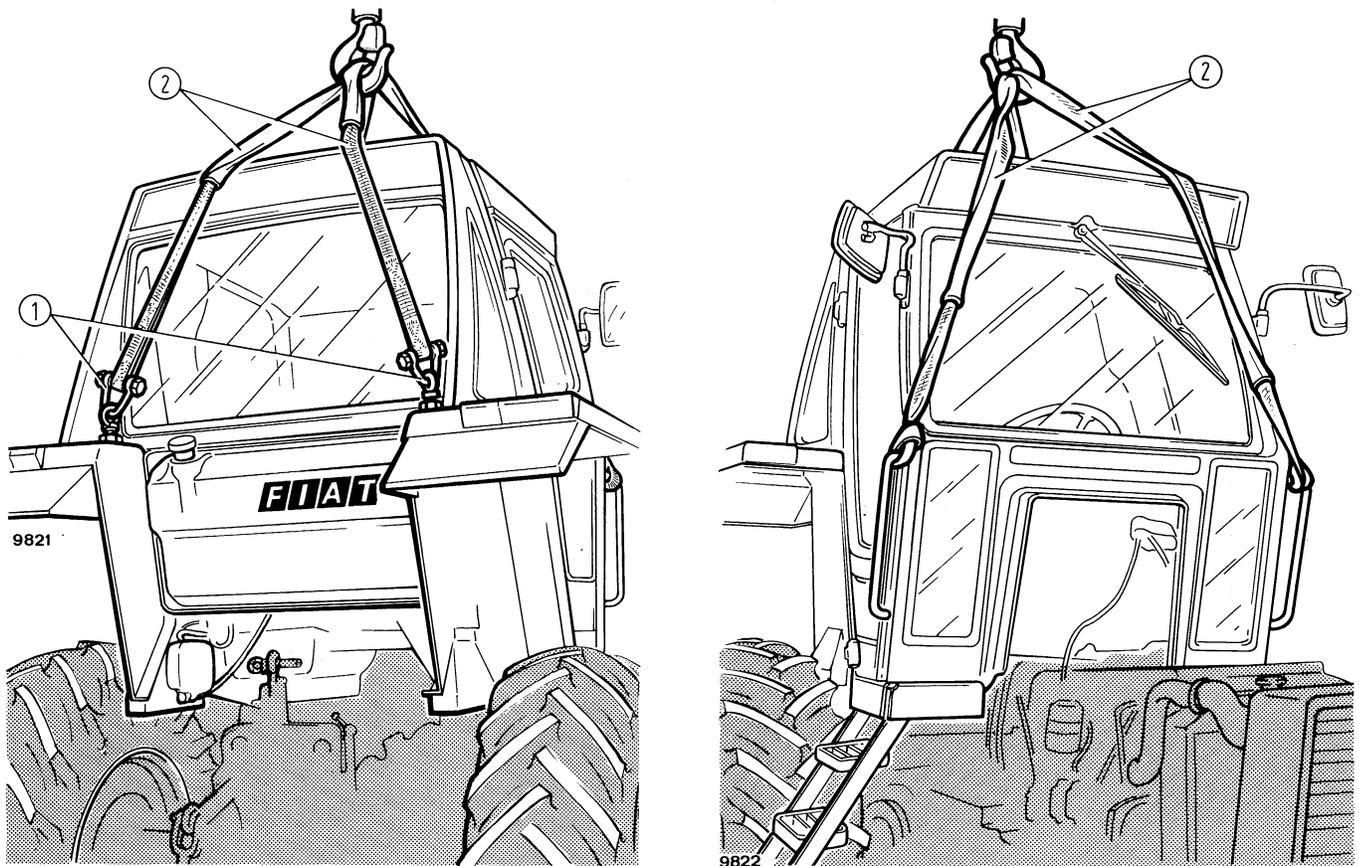


Fig. 2 - Removal - installation of cab together with platform

a. Rear view of cab - b. Front view of cab - 1. Hooks 292109 - 2. Nylon slings 293769.

Connect two nylon slings 293769(2), one end to the handrails as shown in Fig. b, page 5 and the other to hooks 292109 positioned crosswise to one another.

- Remove the four capscrew securing platform to cushion mounting, connect the two slings to a hoist and liftoff the cab together with the platform.

#### INSTALLATION OF CAB TOGETHER WITH PLATFORM

To reinstall cab together with platform, reverse order of removal operations and also:

- Drain the brake oil circuit, and adjust position of differential lock pedal; transmission clutch, P.T.O. clutch and hydraulic lift flexible linkage as described in relevant

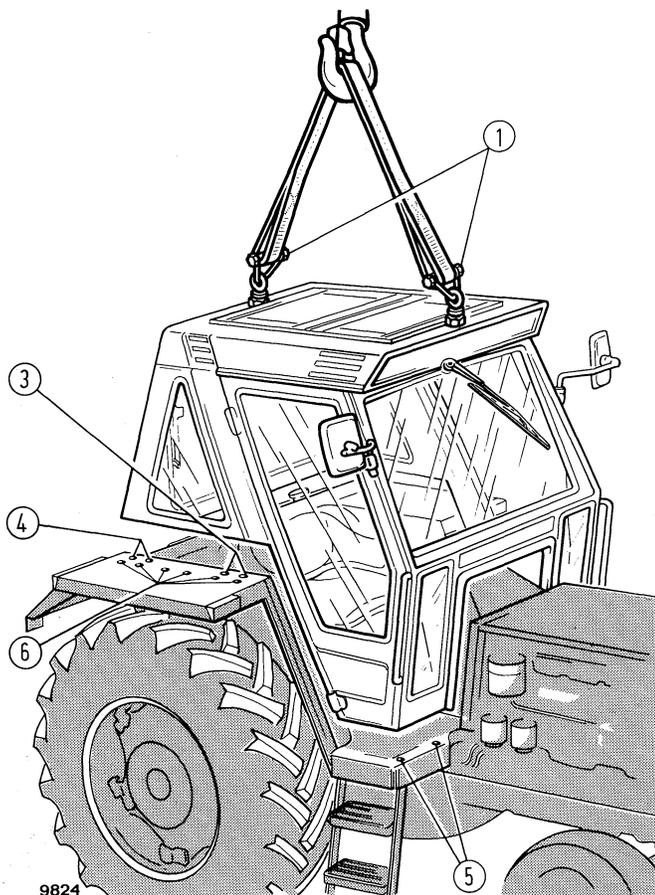


Fig.3 - Removal - installation of cab without platform

1.Hooks 292109 - 3,4,5,6.Cab mounting holes

workshop manuals;

- Refill engine cooling circuit and cab heating system as follows:

- Fill radiator with mixture of water and FIAT "PARAFLU 11" fluid and close the filler cap.
- Close heating cock (lever P, Fig. 16, on blue quadrant), start engine and run at average speed for approx. 5 to 10 min. to preheat engine coolant.
- Remove radiator upper cup, open heating cock (lever P, Fig. 16, on red quadrant) and run engine at max. speed for approx. 5 min.
- With engine running at high speed, top right up and close filler cap.

WARNING - In cold climates, check filling of heating system as follows:

- Close heating cock (lever P, Fig.16, on blue quadrant) and run engine at average speed until cooling circuit water is heated;
- Cover the front of radiator with a sheet of paper to speed up previous operation;
- Then open heating cock and check, with fan switched on, that hot air issues from the outlets (M, Fig. 16).

#### REMOVAL - INSTALLATION OF CAB WITHOUT PLATFORM

To remove cab without platform take off:

- Battery ground cable, cab heating and ventilation system cables and windshield washer leads from water pump on rear tank;
- Windshield washer tube (first fully drain reservoir) and cab heating system pipes from water connections (first drain approx. 5 to 6 litres of coolant from radiator).

NOTE - Drain radiator as described on page 5.

- Back off the two capscrews securing oddments tray to cab and slightly loosen the two capscrews fastening tray to instrument panel, and open the clip beneath the platform. Tape together the windshield washer pipe and leads and then withdraw.
- Remove the two capscrews on the top of the cab, tighten the two hooks 292109 (1, Fig. 3) and connect to a hoist by means of a nylon sling 293769.
- From the inside of the cab, disassemble the two black plastic linings located between the tractor hood and the cab.
- Remove the two linings from the centre pillars and take off the four inner capscrews securing cab to fenders (3, Fig. 3).
- Detach cab backing off:
  - Four fender capscrews (4), four front capscrews (5) acting from bottom of platform and twelve side capscrews (6) acting from inside each fender.
- Raise cab by 20-30cm(8-12in), free heating pipes from engine and manually withdraw. Disconnect windshield washer pipe from platform and complete removal of cab.

To reinstall cab reverse order of removal operations. Make sure to lubricate the front seal with water and soap and take the necessary precautions when inserting seal in its seat on the hood. Fill the windshield washer reservoir and engine cooling and cab heating circuits as described on page 6.

#### REAR GLASS REPLACEMENT

Disassemble as follows:

- Back off handle threaded lockring and retrieve handle.

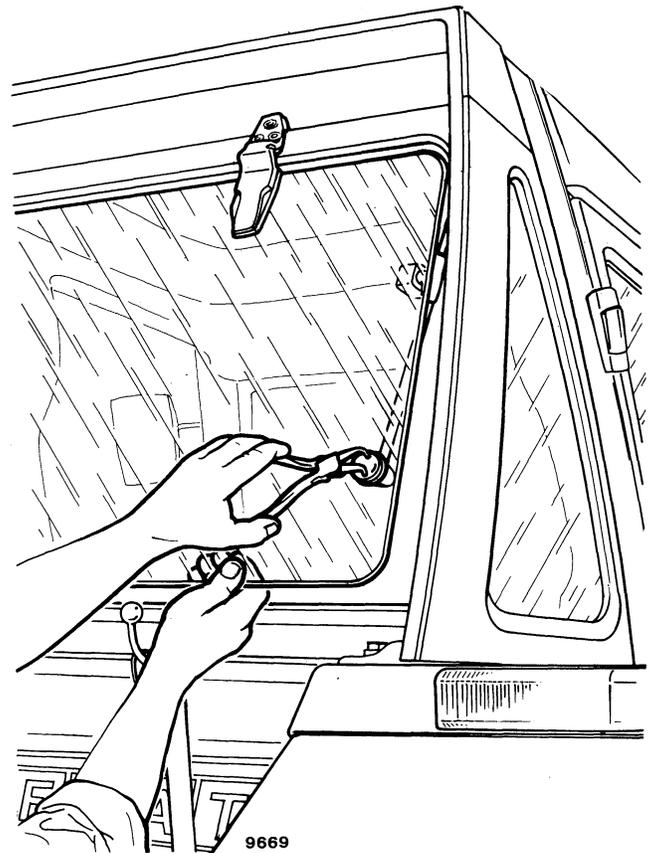


Fig. 4 - Disassembly - assembly of vertical rod lockrings

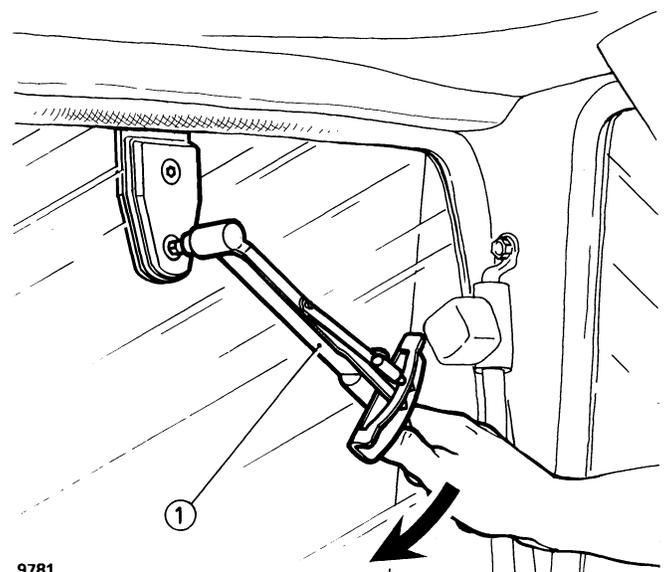


Fig. 5 - Rear glass assembly  
1. Torque wrench 293512.

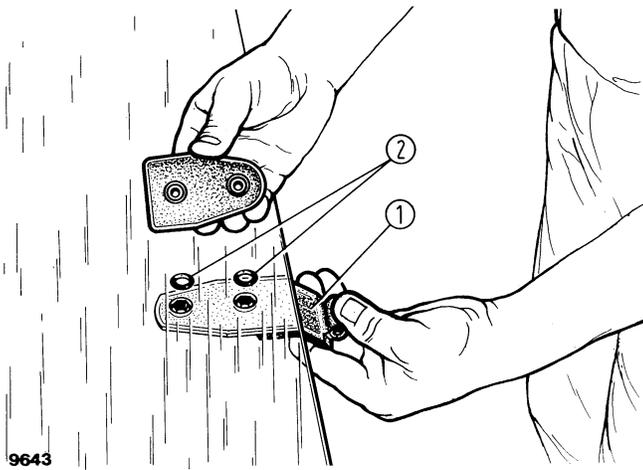


Fig. 6 - Rear glass hinge assembly  
1. Hinges - 2. Seals

- Back off vertical rod lockring (Fig. 4).
- Using a 4 mm socket wrench, back off 4 hinge capscrews from the inside of the cab and withdraw glass retrieving the 2 seals (2, Fig. 6).

Assemble as follows:

- Pre-fit handle on bench;
- Line up glass with hinge, fit seals (2, Fig. 6) in glass holes, apply hinge inner plate and tighten capscrews to torque of 12 to 14 Nm (1.2 to 1.4 kgm, 8.7 to 10 ft.lb.) using wrench 293512.
- Connect vertical rods to glass tightening lockring (Fig. 4).

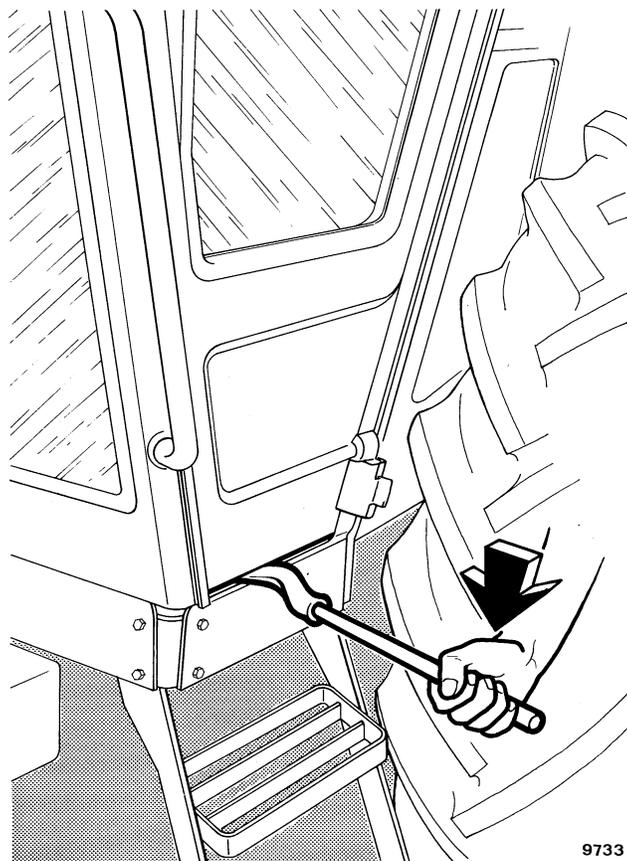


Fig. 7 - Door hinge adjustment

#### REAR GLASS HINGE REPLACEMENT

Assemble rear glass hinges as follows:

- Pre-fit handle on bench;
- Position lower part of hinge on glass, fit seals (2, Fig. 6) in glass holes, apply hinge inner plate and tighten capscrews to torque of 12 to 14 Nm (1.2 to 1.4 kgm) using wrench 293512;
- Position glass on tractor in uppermost position and tighten first the top screws (1 per hinge) and then the lower screws (2 per hinge) to a torque of 24 to 29 Nm (2.3 to 3 kgm, 16 to 22 ft.lb.).

---

NOTICE - The glass must be pushed up as far as possible so as to obtain the max. gap possible between cab and glass lower contour and to facilitate the horizontal assembly of the glass. Connect the vertical rods to the glass tightening the associated lockrings (Fig. 4).

---

## DOOR DISASSEMBLY AND ADJUSTMENTS

### Door disassembly

Proceed as follows for each door:

- Remove retaining ring from spring inner pin and withdraw pin;
- Repeat the same operations on outer hinge pins and remove doors.

### Door hinge adjustment

Proceed as follows for each door:

- Remove door inner return spring;
- Remove two trims on cab centre pillar (to remove top trim on right-hand pillar first back off screws securing it to cab and then withdraw ashtray and back off inner capscrew);
- Slacken hinge inner capscrews;
- Position the door making sure that the gap between door and cab is the same all round. NOTE: To facilitate this operation it is advisable to use a crowbar (Fig. 7) suitably covered with insulating tape so as not to nick the cab painted surface.
- Tighten hinge inner capscrews to torque of 29 to 34 Nm (3 to 3.5 kgm, 22 to 23 ft.lb.).

### Door fit adjustment

If the doors do not close properly or are subject to play when closed, proceed as follows:

- Slacken lower striker plate fitted to cab and move outwards if the door does not close properly, or inwards if there is play when the door is closed;
- Back off the two capscrews securing top striker plate to cab and repeat the same operations described for the lower striker plate;
- Check for correct adjustment.

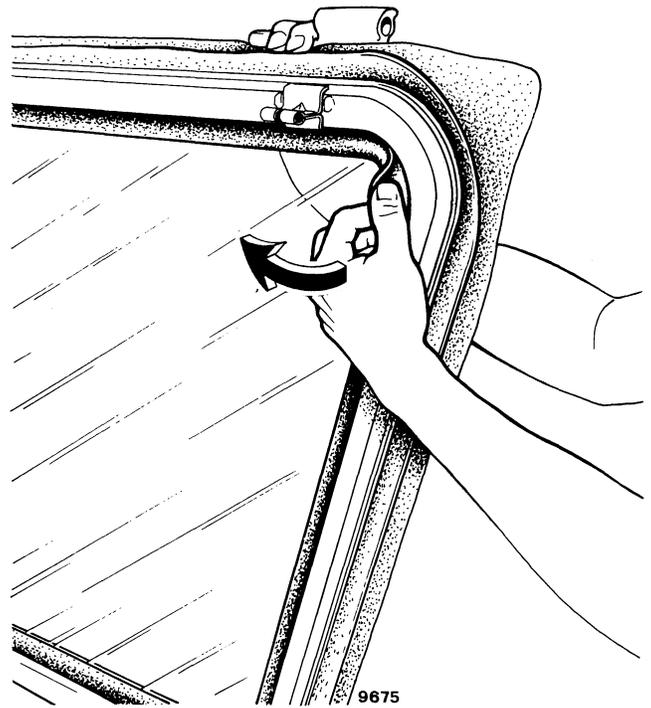


Fig. 8 - Door glass replacement

The arrow indicates how the pressure is to be applied to the seal and glass.

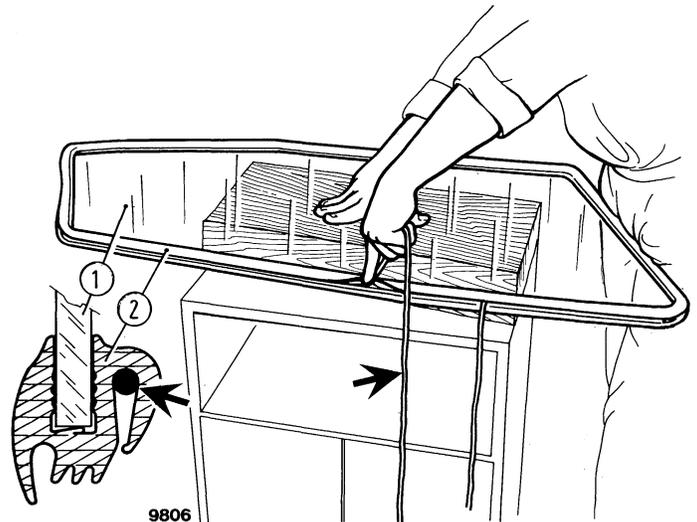
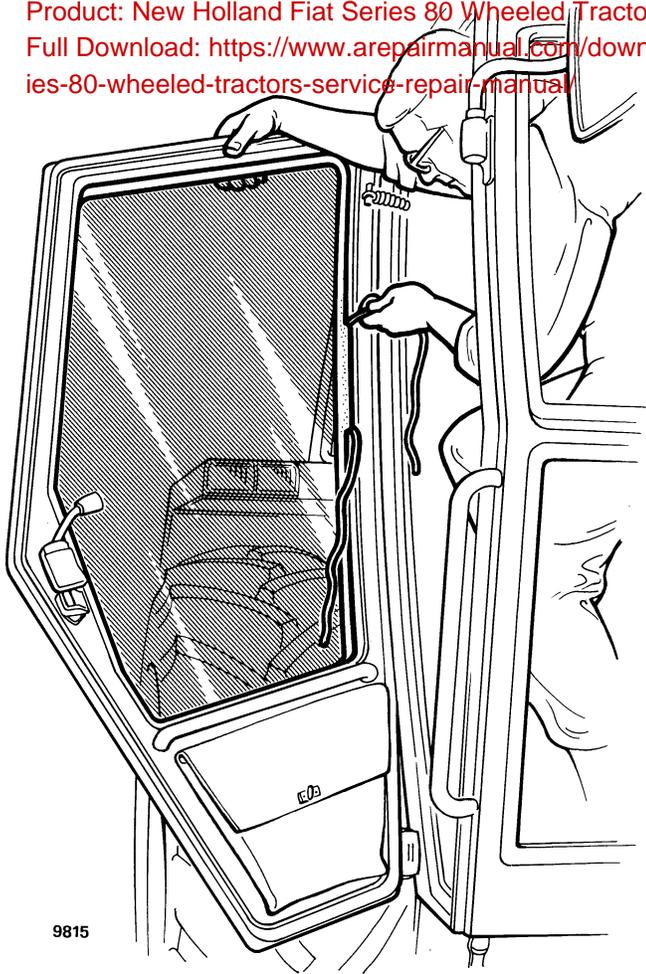


Fig. 9 - Assembling cord on glass seal

The arrow shows how cord is to be fitted on rubber seal.

1. Windshield - 2. Rubber seal.



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Fig. 10 - Assembling glass on door

## CAB GLASS REPLACEMENT

### 1. Door glass replacement

Disassemble glass as follows:

- From inside raise the seal in one of the top corners and push the glass outwards with the palm of the hand until it is free (Fig. 8).
- Then apply pressure around the perimeter of the glass to complete disassembly.

**ATTENTION** - Apply pressure to glass only with palm of the hand. Never strike the glass with the hand or a plastic or wooden mallet.



9808

Fig. 11 - Application of sealing compound between seal and glass

Assemble glass as follows:

- Carefully check seal efficiency; where possible replace after disassembly;
- Never rest the glass on metal benches; always interpose a wooden block (Fig. 9);
- Clean door and glass bonding surfaces with gasoline;
- Lubricate seal outer surface and corresponding door mating surface with water and soap;
- Fit the seal to the glass and insert a cord in the seal inner groove as shown in Fig. 9;
- From the outside rest the glass in its seat on the body. Acting from inside, pull the ends of the cord so as to bed in the seal on the door flange (Fig. 10).

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