



SATCOM DIVISION
MARINE DEPARTMENT

FACSIMILE TRANSMISSION MESSAGE

Transmission No. Date 14/1/88 Time 11 15

No. of pages (including this page):

To TESFAY Att.

From R.E. KARLSEN

Subject

Comments/Message:

SATURN T operation from 220VAC 50/60 Hz

Power consumption: 260 W

Suqgut aggregate type HONDA EX 650

AGENT: BEREMA

Postboks 52 Grorud

0917 Oslo 9

Telf 02 / 25 07 20

709040

Best regards
R. E. Karlson

If you do not receive all the pages, please call back as soon as possible!

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P.O.Box 98
N-1360 NESBRU
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Bergerveien 12
1360 NESBRU

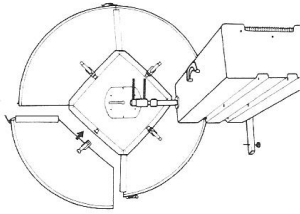
Telefon Telephone
National (02) 84 30 60
International +47 2 84 30 60

Telex 71721 umab n
Telefax 84 46 21

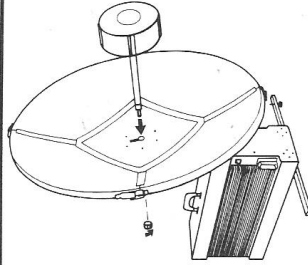
Connecting up

4 Antenna sidesections.

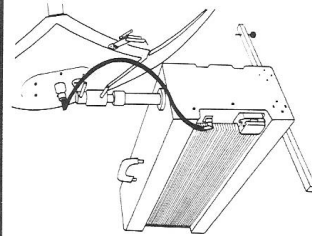
Mount the 4 sidesections of the antenna dish. Lock the pieces together by means of the toggle latches.

**5 Antenna feeder**

Mount the feeder to the mid-section of the antenna by leading the feed post into the feed-mounting flange until it stops against the edge. Fasten the post by means of the nut.

**6 Antenna cable**

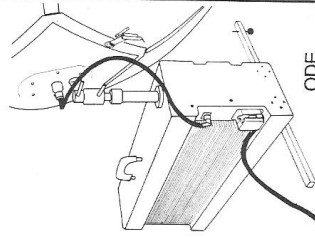
Mount the antenna cable as shown.



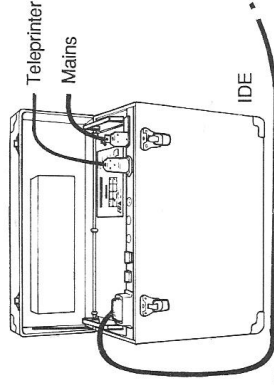
Connecting up

7 ODE to IDE cable

Connect the coaxial/mains cable between the ODE and the IDE.

**8 Mains connection**

Connect the mains plug to supply voltage 100 - 240V AC

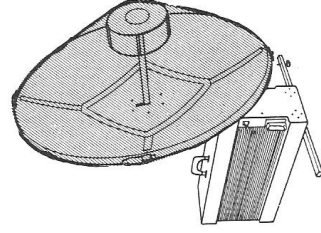
**NOTE!**

The Saturn T can withstand a maximum wind of 17.1 m/s (static). In heavy wind the ODE ought to be loaded down with extra weight.

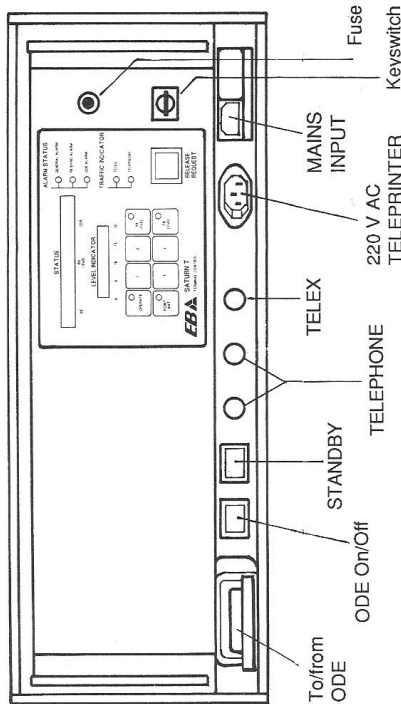
Rain Cover

Antenna feeder must be kept dry!

A waterproof cover is provided for use during rainy weather.



INDOOR EQUIPMENT (IDE)



TO/FROM ODE

Connector for coaxial/mains cable between IDE and ODE.

ODE ON/OFF

Connects power to the ODE.

STANDBY

Connects battery back-up. Performs pre-heating of reference oscillator in order to minimize warming up time. Ensures operation as soon as setting up has been finished.

NOTE! Set should be switched to STANDBY approx. 30 minutes before setting up communication.

TELEPHONE

Connection of touch tone telephone set.

TELEX

For connection of teleprinter line.

220 VAC TELEPRINTER

Supplies 220 VAC to teleprinter.

MAINS INPUT

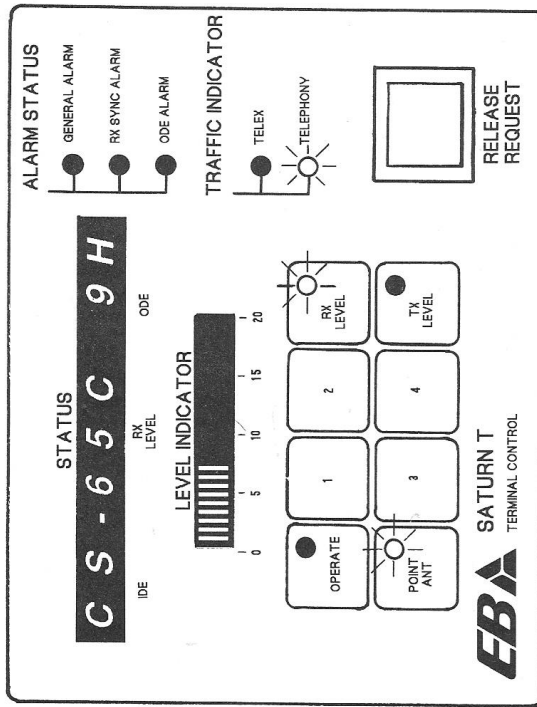
Mains connection, including voltage selector and fuse (5A). (100V/120V/220V/240V AC)

Keyswitch

Power ON/OFF switch (IDE)

Fuse

Mains fuse, 1A.



PUSHBUTTONS:

OPERATE:

Sets the Saturn T to operating mode.

POINT ANT.:

The antenna can be repositioned.

Also: Displays status/fault indications.

RX LEVEL:

Level indicator shows received signal level.

TX LEVEL:

Level indicator shows transmitted signal level.

RELEASE REQUEST:

Used if normal release for telephone (on hook) or telex (off line) does not clear the station. (See also pages 16 and 21.)

DISPLAY:

When switching on the display shows checksums and software versions. During antenna pointing the display shows a number representing the received signal level. During operation the display is blanked.

LEVEL INDICATOR

See RX LEVEL and TX LEVEL pushbuttons.

LAMPS

GENERAL ALARM indicates a fault. RX SYNC ALARM indicates a receiver fault.

ODE ALARM. Fault in ODE.

TELEX indicates telex traffic.

TELEPHONY. Indicates telephony traffic.

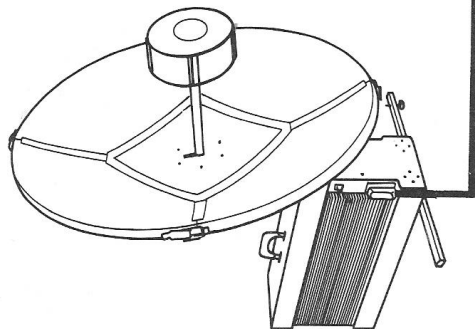
OUTDOOR EQUIPMENT (ODE)

The outdoor equipment consists of:

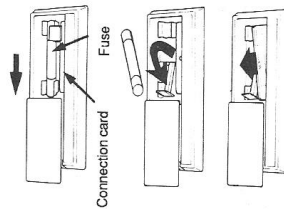
- Antenna with feeder
- RF-Units (RFU)
- Power and Control Unit (PCU)

(RFU and PCU are housed in a common water resistant case).

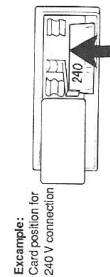
During operation the antenna is mounted on top of the RFU/PCU which has been lifted out of the carrying trunk and stabilized by means of a supporting leg. The empty carrying trunk may be used as a table for the teleprinter and the telephone set.



Reconnection of the supply voltage - 100, 110, 220, 240 V AC



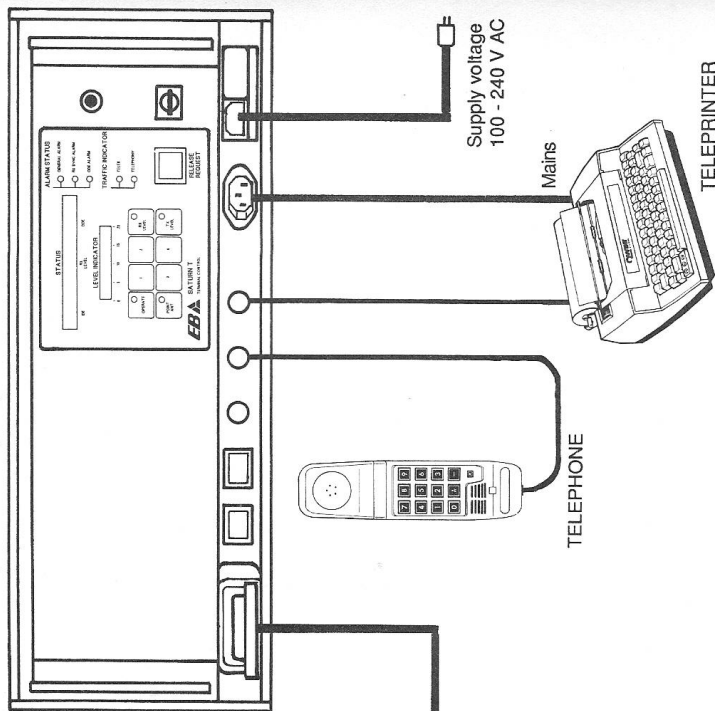
- ☐ Slide the cover aside, revealing the fuse and the connection card.
- ☐ Remove the fuse by pulling the "FUSE PULL" handle across towards left.
- ☐ Pull out the connection card using the enclosed board extraction tool.



Example:
Card position for
240 V connection

- ☐ Insert the card with the required voltage in correct position, as indicated. The selected supply voltage can be read inside the mains connector when the card has been correctly installed.

INDOOR EQUIPMENT (IDE)



The IDE constitutes the major electronics parts in connection with a control panel and a terminal strip. The telephone set is a standard touch tone telephone set. The teleprinter is a Qwint model MSR 741.