GF 924

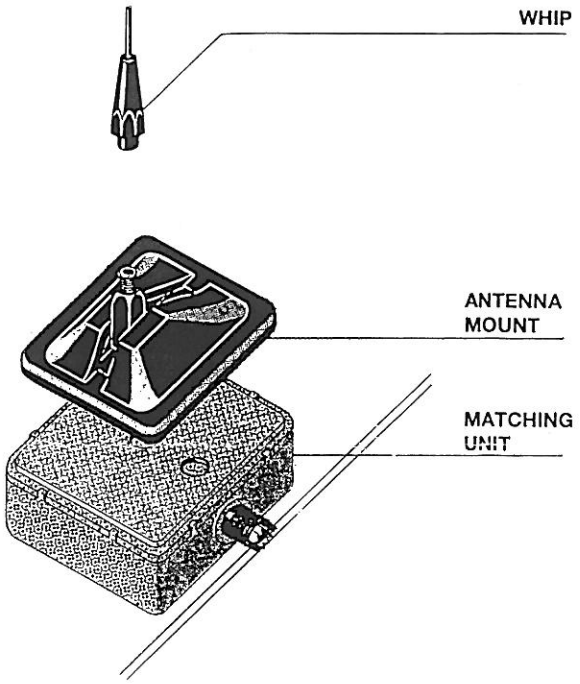
3 dB, Mobile GlassFix® Antenna for the GSM and NMT-900 Cellular Networks

PROCOM

DESCRIPTION:

- ★ Low-cost GlassFix antenna.
- ★ Nice, slender design.
- ★ 3 dB gain.
- ★ Matching unit provided with mini-UHF (female) connector.
- ★ Easy to install (on car window glass – no holes required).
- ★ For GSM and NMT-900 – no tuning required.

ASSEMBLY DETAILS:



FME-SYSTEM ACCESSORIES

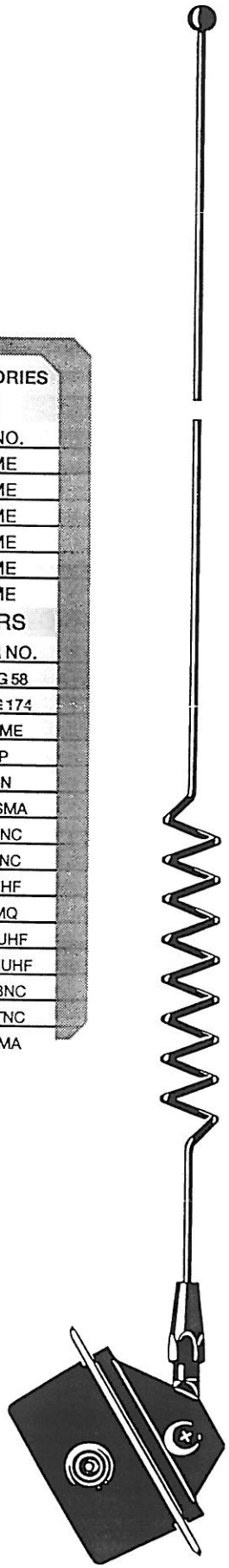
FME-CABLES

LENGTH	TYPE NO.
1m	1m FME
2m	2m FME
3m	3m FME
4m	4m FME
5m	5m FME
6m	6m FME

FME-CONNECTORS

CONNECTOR	ORDER NO.
FME for RG 58	FME-RG 58
FME for RG 174	FME-RG 174
FME-FME	FME-FME
Prolongation	FMEP
N	FME-N
FSMA	FME-FSMA
BNC	FME-BNC
TNC	FME-TNC
UHF	FME-UHF
MQ	FME-MQ
Mini-UHF	FME-MUHF
Elbow-MUHF	FME-EMUHF
Elbow-BNC	FME-EBNC
Elbow-TNC	FME-ETNC
SMA	FME-SMA

For details, please consult the survey given in the section ACCESSORIES.



SPECIFICATIONS:

ELECTRICAL	
ANTENNA TYPE	Colinear mobile GlassFix antenna
FREQUENCY	890-960 MHz (GSM and NMT-900)
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	3 dB (Acc. to EIA RS-329)
BANDWIDTH	≥ 100 MHz at SWR ≤ 1.75
SWR	≤ 1.2 at f. res.
MAX. POWER	25 watt
MECHANICAL	
MATERIALS	Whip: Stainless steel and brass, black-chromed Environment-proof plastics Mount and indoor unit: Zink, black-chromed brass Environment-proof plastics
CONNECTION	Provided with mini-UHF connector. (Cable (and FME-MUHF connector) to be ordered separately)
COLOUR	Black
HEIGHT	Approx. 30 cm
WEIGHT	Approx. 260 g
MOUNTING	On car windows (45 mm x 45 mm obstruction-free mounting area required)

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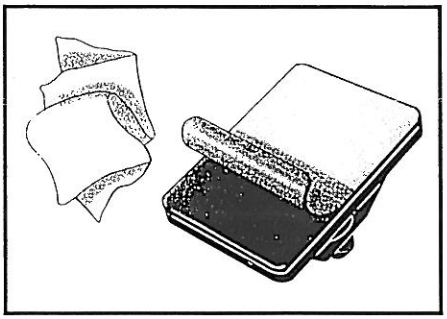
INSTALLATION

PROCOM

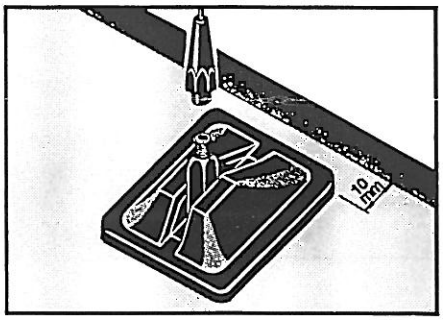
1. BEFORE INSTALLATION:

★ When selecting mounting location take into consideration: positions of back view mirror, wiper blade paths and defogger wires (when mounting on rear window). The driver's view should not be obstructed.
★ Max. allowed curvature of the glass surface on the mounting spot is 2 mm deflection per 100 mm length.
★ Environmental- and car temperature must be above 15°C at installation, and installation surfaces must be dry and clean.

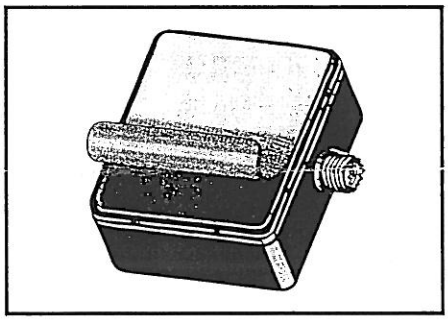
2. INSTALLATION:



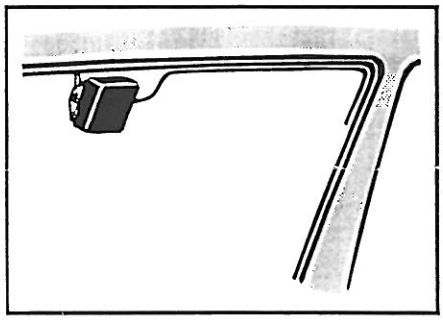
1. Clean both sides of the windscreen where the antenna and the matching unit are to be fitted. Remove the protective foil from the antenna mount.



2. Fit the mount to the screen and press firmly with twisting movements. **NOTE: Make certain that the position is correct, since the tape will stick to the glass instantly.** Apply pressure on both plastic cover and antenna holder.



3. Remove the protective foil from the matching unit.



4. Fit matching unit by pressing it firmly into position. **NOTE: Make certain that the position is correct, since the tape will stick to the glass instantly.** The matching unit must be oriented so that the cable output points horizontally.

3. ADHESION ADVICE:

★ It is essential for a good adhesion result that the surfaces are properly cleaned and dry.
★ A high application pressure improves the binding power.
★ Ideal application temperature range is +20°C to +38°C but may be extended down to +15°C. When applied, binding strength is maintained between -30°C and +70°C.
★ Binding power increases considerably with time. To ensure full strength of the assembly it is recommended to keep the whip off the mount for 24 hours.
★ To accelerate attainment of full binding power, the joined parts may be heat-treated with a warm-air gun.
PLEASE NOTE: Do not heat parts to more than 65°C and take care not to spoil other nearby car parts.

WARNING: SAFETY PRECAUTIONS

★ Antennas mounted on the windscreen may cause relatively high field strengths in the passenger cabin and near the dashboard.
1. To prevent health hazard due to RF radiation, persons must not be closer than 30 cm to the antenna whip (Transmitter output power to the matching unit: 20 watt). (DIN 57 848).
2. The RF signals at the dashboard may cause interference in the car's electronic equipment such as broadcast radio, computer automatics, braking systems, electronic ignition, relays etc. Some cars are more susceptible to disturbances than others.
It is the responsibility of the installer to carry out a thorough check of the proper functioning under any conditions of such circuits before finishing installation.