## ANTENNA REMOVAL

1. To remove, use a broad, flat putty knife and gently work the blade between the window glass and the adhesive of the coupler.
2. After the couplers have been removed from the vehicle, clean the adhesive residue from the mounting surfaces using lacquer thinner and an absorbent, lint-free cloth, being careful not to damage foil contacts on the couplers.

## ROD CUTTING DIRECTIONS

1. Remove rod from swing arm.
2. Cut rod to length.
3. Strip paint 3/4" from the end of the rod.
4. Install the rod back into the swing arm.
5. Tighten the set screw.

## CUTTING CHART

| KG144 | | |
|---|---|---|
| FREQUENCY | ROD LENGTH (IN) | (CM) |
| 144 - 148 MHz | Factory Pretuned | |
| 148 - 152 MHz | 39 1/2 | 100.3 |
| 152 - 156 MHz | 35 | 88.9 |
| 156 - 159 MHz | 32 1/2 | 82.6 |

| KG160 | | |
|---|---|---|
| FREQUENCY | ROD LENGTH (IN) | (CM) |
| 160 - 163 MHz | Factory Pretuned | |
| 163 - 167 MHz | 34 1/2 | 87.6 |
| 170 - 174 MHz | 30 | 76.2 |
| 172 - 176 MHz | 28 | 71.1 |

| KG440 | | |
|---|---|---|
| FREQUENCY | ROD LENGTH (IN) | (CM) |
| 440 - 450 MHz | Factory Pretuned | |
| 450 - 460 MHz | 9 1/2 | 24.1 |

| KG450 | | |
|---|---|---|
| FREQUENCY | ROD LENGTH (IN) | (CM) |
| 450 - 460 MHz | Factory Pretuned | |
| 460 - 470 MHz | 9 3/4 | 24.8 |

| KG470 | | |
|---|---|---|
| FREQUENCY | ROD LENGTH (IN) | (CM) |
| 470 - 480 MHz | Factory Pretuned | |
| 480 - 490 MHz | 10 | 25.4 |

**AMPS:** 825 - 896 MHz **GSM:** 890 - 960 MHz **NMT:** 450 - 470 MHz

**The following antennas come pretuned from the factory for optimum performance in your specified frequency range. No additional tuning is required. DO NOT CUT RODS.**

| MODEL | FREQUENCY |
|---|---|
| KG406 | 406 - 420 MHz |
| KG420 | 420 - 440 MHz |
| KG490 | 490-512 MHz |
| KG3E825 | 806 - 896 MHz |
| KG3E900 | 890 - 960 MHz |
| KGC/P3E | 824 - 896 / 1850 - 1990 MHz |
| KG2/70 | VHF: 144 - 148 MHz UHF: 442 - 448 MHz |