# GM300 Series

## Parts List

<table>
<thead>
<tr>
<th>REF. NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3680106M03</td>
<td>Knob, control</td>
</tr>
<tr>
<td>2</td>
<td>0380270L01</td>
<td>Screw (M4.0 x 0.7 x 38) cap blk; 2 used</td>
</tr>
<tr>
<td>3</td>
<td>1580516B01</td>
<td>Housing, front-panel, 8/16 freq.</td>
</tr>
<tr>
<td>4</td>
<td>5080085D03</td>
<td>Speaker</td>
</tr>
<tr>
<td>5</td>
<td>4280253L01</td>
<td>Bracket, speaker; 4 used</td>
</tr>
<tr>
<td>6</td>
<td>0310945A11</td>
<td>Screw (M3.0 x 8.0) plastite; 2 used</td>
</tr>
<tr>
<td>7</td>
<td>7580517B01</td>
<td>Keypad, elastomeric, 8/16 freq.</td>
</tr>
<tr>
<td>8</td>
<td>3280039M01</td>
<td>Gasket, LED</td>
</tr>
<tr>
<td>9</td>
<td>HLN8071B</td>
<td>Vol/Mic, cable assembly</td>
</tr>
<tr>
<td>10</td>
<td>HLN8075A</td>
<td>Display PCB assembly, 8/16 freq.</td>
</tr>
<tr>
<td>11</td>
<td>0780037M01</td>
<td>Bracket, PCB retainer</td>
</tr>
<tr>
<td>12</td>
<td>2900129883</td>
<td>Lug</td>
</tr>
<tr>
<td>13</td>
<td>0310945A11</td>
<td>Screw (M3.0 x 8.0) plastite</td>
</tr>
<tr>
<td>14</td>
<td>0180704Y83</td>
<td>Front Panel Filter PCB</td>
</tr>
<tr>
<td>15</td>
<td>0310943M09</td>
<td>Screw (M3.0 x 6.0); 2 used</td>
</tr>
<tr>
<td>16</td>
<td>0310945A11</td>
<td>Screw (M3.0 x 8.0) plastite; 4 used</td>
</tr>
<tr>
<td>17</td>
<td>1580127L01</td>
<td>Cover, housing</td>
</tr>
<tr>
<td>18</td>
<td>0310943R55</td>
<td>Screw (M3.0 x 8.0); 4 used</td>
</tr>
<tr>
<td>19</td>
<td>0104001J47</td>
<td>Shield, chassis</td>
</tr>
<tr>
<td>20</td>
<td>0310943M09</td>
<td>Screw (M3.0 x 6.0); 6 used</td>
</tr>
<tr>
<td>21</td>
<td>---</td>
<td>Logic Board</td>
</tr>
<tr>
<td>22</td>
<td>2880600B02</td>
<td>Connector, 27 pin, J8 &amp; J9</td>
</tr>
<tr>
<td>23</td>
<td>2680497B01</td>
<td>Heatsink, logic board</td>
</tr>
<tr>
<td>24</td>
<td>0310943M09</td>
<td>Screw (M3.0 x 6.0); 2 used</td>
</tr>
<tr>
<td>25</td>
<td>0180605B01</td>
<td>Feedthrough Assembly, RF/logic</td>
</tr>
<tr>
<td>26</td>
<td>2780496B01</td>
<td>Chassis</td>
</tr>
<tr>
<td>27</td>
<td>2880923V01</td>
<td>Connector, 16 pin</td>
</tr>
<tr>
<td>28</td>
<td>---</td>
<td>RF Bd.</td>
</tr>
<tr>
<td>29</td>
<td>0310943M09</td>
<td>Screw (M3.0 x 6.0); 7 used</td>
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<tr>
<td>30</td>
<td>2680498B01</td>
<td>Shield, chassis</td>
</tr>
<tr>
<td>31</td>
<td>1580127L01</td>
<td>Cover, housing</td>
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<tr>
<td>32</td>
<td>2680223M07</td>
<td>Shield, PA</td>
</tr>
<tr>
<td>33</td>
<td>0310943M10</td>
<td>Screw (M3.0 x 8.0); 8 used</td>
</tr>
<tr>
<td>34</td>
<td>2680229L03</td>
<td>Shield, VCO</td>
</tr>
<tr>
<td>35</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>0980131M01</td>
<td>Antenna Connector, mini UHF</td>
</tr>
<tr>
<td>37</td>
<td>3280014N03</td>
<td>Gasket, accessory connector</td>
</tr>
<tr>
<td>38</td>
<td>0310943M10</td>
<td>Screw (M3.0 x 8.0); 2 used</td>
</tr>
<tr>
<td>39</td>
<td>0380271L01</td>
<td>Screw (M4.0 x 27); 2 used</td>
</tr>
<tr>
<td>40</td>
<td>0980255E01</td>
<td>Power Connector</td>
</tr>
<tr>
<td>41</td>
<td>0482418B09</td>
<td>Washer, power connector</td>
</tr>
<tr>
<td>42</td>
<td>0380043L01</td>
<td>Screw (M3.0 x 10); 2 used</td>
</tr>
<tr>
<td>43</td>
<td>0180701Y58</td>
<td>Connector Assembly</td>
</tr>
<tr>
<td>44</td>
<td>0480943V01</td>
<td>Lockwasher, antenna connector</td>
</tr>
<tr>
<td>45</td>
<td>2680124L03</td>
<td>Heatsink, PA</td>
</tr>
</tbody>
</table>
GM300 Series

Mobile Accessories

General Accessories

HLN8375A DTMF Decoder Board (GM300—16 channel model only)
HLN9457A Hardware Kit for use with the expanded accessory connector (includes 16 connector pins, (9) 8” wires with pins attached and an extra housing)
HLN9573A Shorting Plug Kit for microphone jack—used when application calls for a deskset (covers microphone jack)

Microphones and Accessories

HMN3596A Compact Palm Microphone with 7 Foot Cord
HMN1035C Heavy Duty Palm Microphone with 10.5 Foot Cord
HMN1037B Non-Backlit Touch-Code Microphone with Hang-Up Clip
AAREX4617A Telephone-style Handset Kit
HLN9073B Microphone Hang-Up Clip (all microphones)

Control Station Accessories

HKN4139C Power Cable for low control station 12V (1-45 watt models) for control stations shipped before 4/93
HLN3199C High Power Control Station Package (25-60 watt models)

External Speaker

HSN8145B 7.5 Watt External Speaker—for receiver audio

HMN3596A

HMN1035C

HMN1037B

HMN3000B Desk Microphone, black
HMN1038E Desk Microphone, beige
HLN5292BR Base Station Tray
HKN9088B Mobile Mini-U Antenna Adapter – 8 foot cable

HLN9559A 7 Foot Coil Cord for Microphones (HMN1056 and HMN1035)
HLN9560A 10.5 Foot Extended Coil Cord for heavy duty microphones
GM300 Series

Mobile Accessories

Public Address Accessories

HLN3145CR Public Address Kit (requires the HSN1000 accessory; includes 2 cables for mobile connection to public address box to speaker cables)

HKN324AR 15 Foot Public Address/Speaker Cable (one cable per speaker)

HSN1000B 6 Watt Amplified Eternal Speaker for public address audio (minimum of 1 required)

Alarm Accessories

HLN9328C External Alarm Relay Cable—horn and lights

HLN9329B Emergency Push Button Alarm Cable

HLN9330B Emergency Footswitch Alarm Cable (GM300—16 channel only)

Installation Accessories

HKN4137A Low Power Cable to Battery

HKN93327BR Ignition Switch Cable

HKN9557A PL259/Mini-U Antenna Adapter—8” cable (not recommended for 800 MHz)

2880376E84 Mini-U Connector (all bands)

Mounting Accessories

HLN9284A Key Lock Mounting Bracket

HLN5189A Non-Locking Bracket

HLN8413A Slide Mount Tray Bracket for vehicle floor hump mount

HLN9404A Sleeve Mounting Bracket

HLN9450A 45-60 degree Floor Mount Wedge (GM300 – requires HLN9404 or HLN9100)

HLN9100B Three Point Mounting Bracket (for use with HLN9450)

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### Accessories, Antennas, Aids

#### Mounting Accessories

- **HLN5226B** Extra Stability Mount
- **HLN8097A** Removable Slide Mount Tray Package (a maximum of two external accessory wires can be attached to the slide tray)
- **HLN8098A** Radio Slide Mount Tray (vehicle half of the slide tray package—HLN8097)
- **HLN8099A** Vehicle Slide Mount Tray (vehicle half of the slide tray package—HLN8097)
- **HLN8144B** Remote Mount Kit—8 foot (assumes use of power cable provided with radio)
- **HLN9027A** In-Dash Bezel Mounting Kit

#### Antennas

**VHF**
- **HAD4014A** VHF 3 dB Gain Roof Mount Antenna, 140-174 MHz
- **HAD4006A** VHF 1/4 Wave Roof Mount Antenna, 136-144 MHz
- **HAD4007A** VHF 1/4 Wave Roof Mount Antenna, 144-152 MHz
- **HAD4008A** VHF 1/4 Wave Roof Mount Antenna, 150.8-162 MHz
- **HAD4009A** VHF 1/4 Wave Roof Mount Antenna, 162-174 MHz

**UHF**
- **HAE4002A** UHF 1/4 Wave Roof Mount Antenna, 403-430 MHz
- **HAE4003A** UHF 1/4 Wave Roof Mount Antenna, 450-470 MHz
- **HAE4004A** UHF 1/4 Wave Roof Mount Antenna, 470-512 MHz
- **HAE4010A** UHF 3.5 dB Gain Roof Mount Antenna, 406-420 MHz
- **HAE4011A** UHF 3.5 dB Gain Roof Mount Antenna, 450-470 MHz
- **HAE4012A** UHF 3.5 dB Gain Roof Mount Antenna, 470-495 MHz
- **HAE4013A** UHF 3.5 dB Gain Roof Mount Antenna, 494-512 MHz
- **RAE4004ARB** UHF 5 dB Gain Roof Mount Antenna, 450-470 MHz

#### Service Aids

**Computer Interface Cable**
Used to connect computer’s serial port to Radio Interface Box.
- **3080369B71** Computer Interface Cable; RIB to 25 pin D
- **3080369B72** Computer Interface Cable; RIB to 9 pin D

**Radio Interface Box**
Links radio programming cable and computer interface together. Provides required voltage shift to enable communications between radio and computer. Requires computer interface cable, radio programming cable and a 9 volt snap type battery (6082728J01) or wall mount power supply. Order separately.
- **RLN4008E** Radio Interface Box
Service Aids, Tools, Manuals

**Service Aids**

**Wall Mounted Power Supply**
Used to supply power to Radio Interface Box.
- **0180357A57** Wall Mounted Power Supply (110 volts)
- **0180358A56** Wall Mounted Power Supply (220 volts)

**Programming Software**
This software enables you to add or reprogram frequencies as your requirements change. Compatible with IBM XT, AT, Model 30, 50, 60 and 80. Requires Radio Interface Box and proper cables; order separately.
- **HVN8177F** Programming Software, includes diskettes (3-1/2" and 5-1/4"), manual, binder, and storage box. Programs GM300, GR300, GR500, M10, M120 and M130 radios.

**Program Test Cable**
Acts as a link between RIB and radio; required to program radio
- **3080070N01** Program/Test Cable

**Power Supply Cable**
- **HKN4191B** Power Supply Cable, High Power (60 watt), replaces HKN9402A
- **HKN4137A** Mobile Power Cable, Low Power (25 watt)

**Service Tools**

**Torque Screwdriver**
Measures the amount of torque being applied. Recommended for precise radio assembly. Bits must be ordered separately.
- **RSX4043A** Adjustable Torque Screwdriver

**Service Tools**

**Crimping Tool**
For custom installations requiring crimping of Mini-UHF RF connector.
- **6680388A26** Crimping Tool

**Test Adapter**
Used to manually key radio. Must be attached to Program/Test Cable
- **RLN4137A** Test Adapter

**Battery Cable Adapter**
- **6680388A13** Side Mount Battery Cable Adapter

**Antenna Adapter**
- **5880367B22** Mini-UHF Adapter
- **2880376E84** Mini-UHF Adapter

**Manuals**

- **6880902Z09** Owners Manual
- **6880902Z32** Service Manual

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