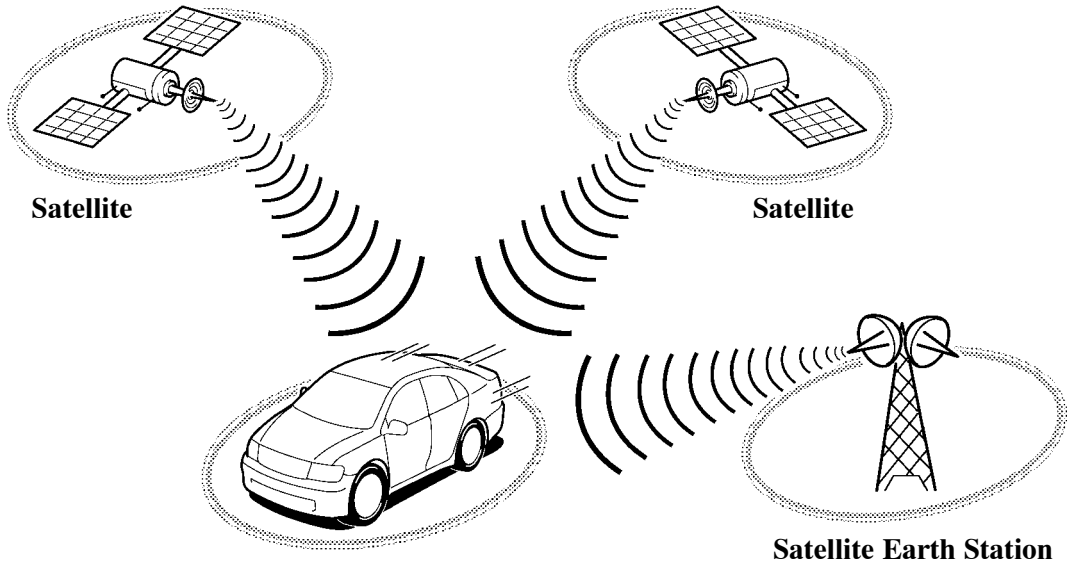
■ SATELLITE DIGITAL AUDIO RADIO SERVICE (SDARS)

- The Satellite Digital Audio Radio Service (SDARS) uses digital radio broadcasts (XM satellite radio).
- XM satellite radio is a type of pay digital broadcast service.
- The SDARS uses 2 stationary satellites to capture digital radio broadcasts (XM satellite radio) from over 170 channels. XM satellite radio enables users to constantly receive their favorite programs in any location in the U.S.A. and Canada.
- Because it is digitally broadcast, XM satellite radio produces high-quality sounds similar to CD. Because it uses satellites, its reception range is very wide. In addition to being able to receive broadcasts throughout the U.S.A. (except Hawaii and Alaska) and Canada, users can also receive broadcasts along the Mexico – U.S.A. border. Thus, users can listen to the same station anywhere in these areas. This is particularly convenient for long-distance drivers because it is not necessary to tune to different stations.
- In addition to the 2 satellites, XM satellite radio is supported by 800 satellite earth stations. If the signals from the satellites are disrupted by a tunnel, a gulch, or high-rise buildings, a simultaneous broadcast (called “gap filler”) through ground waves helps achieve excellent reception that is free of interruptions.

▶ System Image ◀



036BE81Y

▶ Layout of Main Components ◀

