

Cat[®] Radios and Accessories



Built Tough for the Most Rugged Environments

Just as you do with any other part or component, you should consider the durability of a radio. A car radio isn't going to be durable enough to withstand the vibrations and other extremes where you work. Instead, select one that is designed to take abuse.

Caterpillar offers a line of rugged radios and accessories that can withstand the toughest applications in machines, on-highway trucks, boats or private sector use. Cat radios and accessories also are designed to withstand both hot and cold temperature extremes.

You can choose from five models, from a robust receiver to a unit that includes a CD, theft lock and an integrated satellite tuner. All models provide the following features and benefits:

- Exceed shock and vibration standard SAE J1455
- Withstand temperatures from -40° to 185° F (-40° to 85° C)
- Weather band
- Worldwide frequency compatible tuner

Caterpillar. The difference counts.™

Cat Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

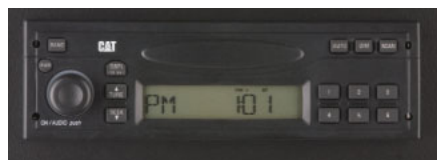
The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

CATERPILLAR[®]

Cat Radios and Accessories

AM/FM Receiver

Part Number 200-5729



Caterpillar offers five models, beginning with the basic AM/FM receiver.

Features:

- Total Power (RMS) 72 (18x4)
- LED lighted display
- Quartz clock
- 6 AM and 12 FM presets
- Auto preset memory
- Scan
- Seek Up/Down
- Worldwide frequency compatible tuner
- Weather band

AM/FM Receiver with CD

Part Number 241-4936



This model has the following radio and CD features:

- Total Power (RMS) 72 (18x4)
- LED lighted display
- Quartz clock
- 6 AM and 12 FM presets
- Auto preset memory
- Scan
- Seek Up/Down
- Worldwide frequency compatible tuner
- Weather band
- Displays elapsed time and track
- Next/previous track
- Fast forward/reverse
- Anti-shock floating mechanism
- Track, scan, search and repeat
- Auto-loading mechanism

Deluxe AM/FM Receiver with CD

Part Number 284-8953



This model has the following radio and CD features:

- Total Power (RMS) 68 (17x4)
- MP3 playback
- LED backlighting
- 6 AM presets and 18 FM presets
- Auto-store memory
- Seek/scan tuning
- Preset scan
- Alarm clock
- Worldwide frequency compatible tuner
- Weather band
- Anti-shock floating mechanism
- Track, scan, search and repeat
- Track pause
- Random track play
- Fast forward/reverse
- Next/previous track
- Ignition off load and eject

Deluxe AM/FM Receiver with CD and XM Satellite Radio

Part Number 284-8954



In addition to the integrated XM satellite radio, this model also has the following features:

- Total Power (RMS) 68 (17x4)
- MP3 playback
- LED backlighting
- 6 AM presets and 18 FM presets
- Auto-store memory
- Seek/scan tuning
- Preset scan
- Alarm clock
- Worldwide frequency compatible tuner
- Weather band
- Anti-shock floating mechanism
- Track, scan, search and repeat
- Track pause
- Random track play
- Fast forward/reverse
- Next/previous track
- Ignition off load and eject

Deluxe AM/FM Receiver with CD and SIRIUS Satellite Radio

Part Number 284-8955



In addition to the integrated Sirius satellite radio, this model also has the following features:

- Total Power (RMS) 68 (17x4)
- MP3 playback
- LED backlighting
- 6 AM presets and 18 FM presets
- Auto-store memory
- Seek/scan tuning
- Preset scan
- Alarm clock
- Worldwide frequency compatible tuner
- Weather band
- Anti-shock floating mechanism
- Track, scan, search and repeat
- Track pause
- Random track play
- Fast forward/reverse
- Next/previous track
- Ignition off load and eject

Cat Radios and Accessories

Installation Kits

Part Number 136-3643



Mounting Kit – Cat radio ready machines

Cat Radio ready machines come with speakers, antenna, radio mounting, harness connector and 24 volt to 12 volt connector. The following parts are needed to complete the install:

- 200-5728 harness
- 4E1411 bushing 0.79 in (20 mm) or 241-4939 bushing 1.1 in (28 mm)

Mounting Kit – Non-radio ready Cat and competitive machines

- Kit consist is:

One mounting shell 106-8142	One harness 200-5728
One bracket 275-2138	One harness 106-8153
One rubber bushing 4E-1411	One antenna 8E-1118
Four screws 100-2881	One coax cable 1525 mm (60 inches) 8R-6111
Four washers 6V-7699	One machine screw 4M-8478
Four lock washers 3B-4503	One 2H-7152 nut
Four cable straps 3S-2093	One 4E-1411 bushing
Two speakers 106-8154	

Adapter Harnesses



Radio ready Cat machines

- This harness adapts the radio to the harness in Cat Radio-ready machines.

Non-radio ready machine – Cat or competitor

- Plugs into the Deutsch connector end of the 200-5728 harness. This is a Deutsch connector to wire harness that can be used in wiring in a Cat radio into a non-radio ready Cat or competitive machine.

Freightliner On-highway trucks

- Freightliner – all medium duty COE June 1986-2003, Conventional 1986-2003, Columbia and Century class to 2003.

Kenworth and Peterbilt On-highway trucks

- Kenworth: COE K100E series. All conventional models built after March 1988 – February 2005. Peterbilt: All medium duty COE Midranger, all medium duty conventional 330, COE models built after October 1986, conventional models built after October 1986, conventional model, premium sound, from February 2000.

Part Number

200-5728

106-8153

279-9662

279-9663

Kenworth and Peterbilt On-highway trucks

- Kenworth: All medium duty conventional T300 and T2000. Peterbilt: 387 (except Concert Class).

International On-highway trucks

- International: 2600-8300 series medium duty, 9000 series conventional Pro Sleeper from June 1994.

Mack On-highway truck

- Mack: COE model MH, RD, RM and DMM models built after November 1992. Mack: CH and CL series Vision.

Volvo and White/GMC On-highway trucks

- Volvo: FE models built after February 1993. White/GMC: models built after September 1992.

Sterling On-highway trucks

- Sterling: 1999-2001 models.

Western Star On-highway trucks

- Western Star: Conventional models built after December 1991.

Western Star On-highway trucks

- Western Star: Constellation series models built after June 1997.

Part Number

279-9664

279-9665

279-9666

279-9667

279-9668

279-9669

279-9767

Antennas – Flexible

Part Number 8E-1118

Flexible rubber mast

- Antenna mast length is 355 mm (14 inches) with 1/2-20 connector. Antenna can be adjusted from 0 to 90 degrees in mounting base.



Antennas – Wire Whip

Part Number 9W-3072

Wire whip with spring

- Antenna mast length is 668 mm (26 inches) with 1/2-20 connector. Antenna can be adjusted from 0 to 90 degrees in mounting base.



Antennas – Satellite

Part Number 284-9055

Mirror Mount

- Needed with 284-8954 XM or 284-8955 SIRIUS radios

Part Number 307-2245

Rooftop Mount

- Needed with 284-8954 XM or 284-8955 SIRIUS radios

Cat Radios and Accessories

Speakers – Round

Part Number 174-3722

5.25 inch (133 mm) coaxial

- Mounting: Recessed opening
- Impedance: 4 Ohms
- Power: 80 Watts
- Frequency response: 40 Hz to 22 kHz



Part Number 168-8772

5.25 inch (133 mm) coaxial

- Mounting: Recessed opening
- Impedance: 4 Ohms
- Power: 60 Watts
- Frequency response: 75 Hz to 20 kHz
- Speaker cover 101-3055 required

Speakers – Rectangular

Part Number 106-8154

7.3×5 inch (186×128 mm) two speaker with internal crossover

- Impedance: 6 Ohms
- Power: 75 Watts
- Frequency response: 90 Hz to 20 kHz



Coax Cable

Radio connector to antenna connector

- Cable length is 1000 mm (39.4 inches) with 1/2-20 connector.
- Cable length is 1200 mm (47.3 inches) with 1/2-20 connector.
- Cable length is 1525 mm (60 inches) with 1/2-20 connector.
- Cable length is 1800 mm (71 inches) with 1/2-20 connector.
- Cable length is 2670 mm (105 inches) with 1/2-20 connector.
- Cable length is 3500 mm (138 inches) with 1/2-20 connector.
- Cable length is 4080 mm (160.6 inches) with 1/2-20 connector.
- Cable length is 4280 mm (168.5 inches) with 1/2-20 connector.



Part Number

101-2640
109-8981
8R-6111
199-3387
9W-3073
162-7264
117-2932
110-6391

Radio connector to 90 degree antenna connector

- Cable length is 500 mm (19.7 inches) with 1/2-20 connector.
- Cable length is 650 mm (25.6 inches) with 1/2-20 connector.

9U-8746
146-3722

Converters – 24 Volts to 12 Volts

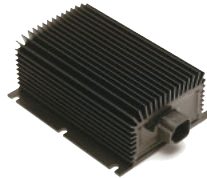
Part Number 205-4285



5 amp continuous/7 amp intermittent

- Used to reduce machine 24 volts to 12 volts. When the radio is wired to one (of the two batteries in series) the battery never gets a full charge, which can result in pre-mature battery failure.

Part Number 209-0381



10 amp continuous/15 amp intermittent

- Used to reduce machine 24 volts to 12 volts. When the radio is wired to one (of the two batteries in series) the battery never gets a full charge, which can result in pre-mature battery failure.

Part Number 239-3902



15 amp continuous/20 amp intermittent

- Used to reduce machine 24 volts to 12 volts. When the radio is wired to one (of the two batteries in series) the battery never gets a full charge, which can result in pre-mature battery failure.

Don't overlook the importance radios play on the job. You'll have one less worry when you select rugged Cat radios and accessories. Repetitive vibrations on the job can harm the operation of some Cat radio models and accessories. Minimize concern over radio performance with these Cat radio models that exceed shock and vibration standards. For more information about the right Cat radios and accessories for your needs, see us today.

**For more information,
see us today or visit our Web site
at www.cat.com/operatoreenvironment**

CATERPILLAR®