

AM, AM/FM AND AM/FM STEREO CASSETTE RADIOS



JOHN DEERE

OPERATORS MANUAL AM, AM/FM AND AM/FM STEREO CASSETTE RADIOS

OMTY20542 J3 English

**JDM DIVISION
OMTY20542 J3**

**LITHO IN THE U.S.A.
ENGLISH**



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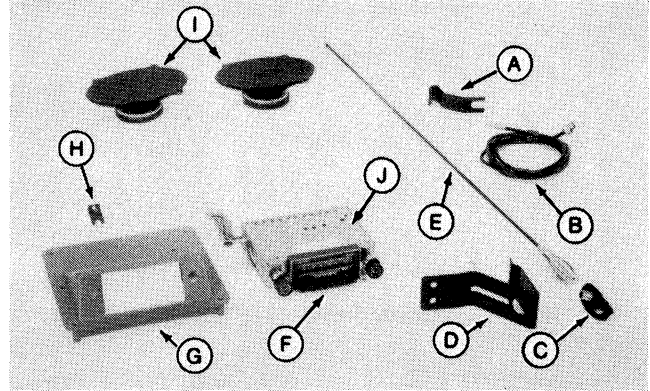
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Introduction

Unauthorized modifications to the radio may impair the function and/or safety and affect radio life.

This operator's manual contains SI Metric equivalents which follow immediately after the U.S. customary units of measure.

- A - Antenna Hold Down (Sound-Gard Body Only)
- B - Antenna Cable (Sound-Gard Body Only)
- C - Antenna Base (Sound-Gard Body Only)
- D - Antenna Bracket (Sound-Gard Body Only)
- E - Antenna (Sound-Gard Body Only)
- F - Radio
- G - Radio Grille
- H - Rear Support Bracket
- I - Speakers (Sound-Gard Body Only)
- J - Serial Number



TY6651

John Deere AM/FM Stereo Radio

Record the model number and serial number (J) of your radio in the space provided.

IMPORTANT: The radios in TY15163 AM, TY15154 AM/FM Stereo and TY15175 AM/FM Stereo Cassette Radio kits are of a high-powered output design and are only to be installed utilizing TY15157 or TY15164 Speaker kit and TY15156, AH105035 or BE22118 Antenna Kit.

JOHN DEERE RADIO

Model No. _____

Serial No. _____

Date of Purchase _____

(To be filled in by purchaser.)

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Controls and Instruments

CONTROLS (AM and AM/FM Stereo)

Use the ON-OFF and Volume Control (A) to turn radio on and off and to adjust sound volume level.

Move the AM/FM Band Switch (B) to select AM or FM broadcast band (AM/FM Stereo only).

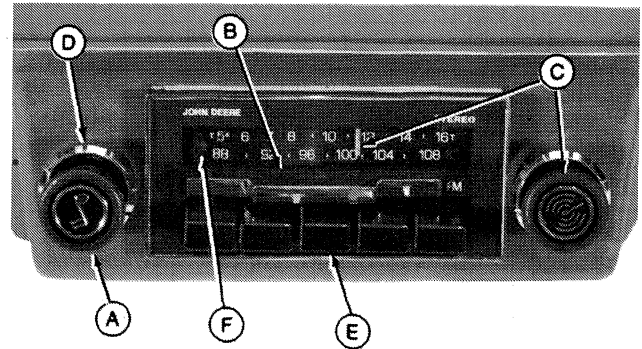
Turn the Tuning Control (C) to select desired station.

Use the Tone Control (D) to adjust sound tone from treble to bass.

Push in and turn the Balance Control (A) to adjust sound level between left and right channels (AM/FM Stereo only).

Push one of the five Push-Button Selectors (E) to select one pre-set station.

Stereo Indicator (F) indicates when FM stereo broadcast is being received (AM/FM Stereo only).



2A4;TY6652 Y05;7CI A 041082

CONTROLS (AM/FM STEREO CASSETTE)

Use the ON-OFF and Volume Control (A) to turn radio and cassette player on and off and to adjust sound volume level.

Push AM/FM Button (B) in or out to select AM or FM broadcast band.

Turn the Tuning Control (C) to select desired station.

Use the Bass Tone Control (D) to adjust bass tone from cut to boost.

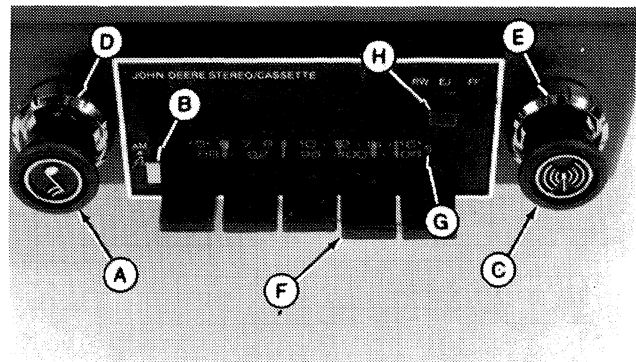
Use Treble Tone Control (E) to adjust treble tone from cut to boost.

Push in and turn the Balance Control (A) to adjust sound level between left and right channels.

Push one of the five Push-Button Selectors (F) to select one pre-set station.

Stereo Indicator (G) indicates when FM stereo broadcast is being received.

Push Tape Control Button (H) to the right to rapidly advance the cassette tape and to the left to rapidly rewind. Push button in to eject tape from player.



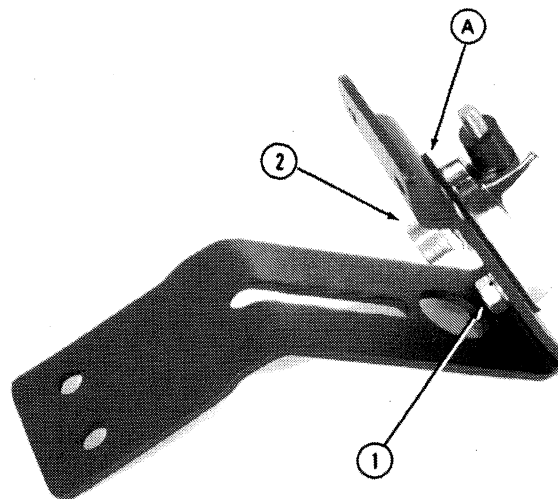
2A4;TY8494 Y05;7CI B 141082

Install the Radio

INSTALL ANTENNA (Sound-Gard Body Only)

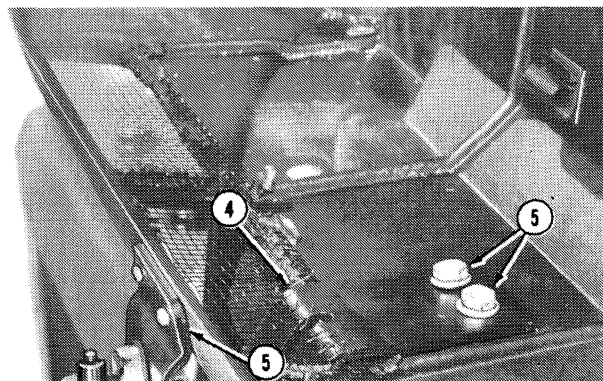
IMPORTANT: The radios in TY15163 AM, TY15154 AM/FM Stereo and TY15175 AM/FM Stereo Cassette Radio Kits are of a highpowered output design and are only to be installed utilizing TY15157 Speaker Kit and TY15156 Antenna Kit.

1. Attach antenna base to bracket with 1/4-in. nut and lock washer. Make sure plastic insulator (A) is between base and bracket.
2. Thread 1/2-in. special nut and internal tooth lock washer onto base.



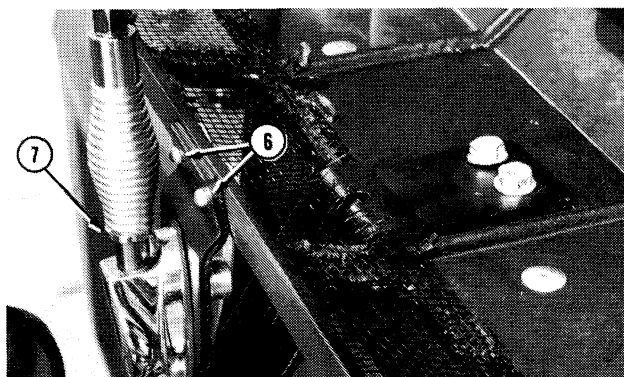
2A4;TY6653 Y05;715 A 041082

3. (Not illustrated) Raise and secure outer roof of cab.
4. Slit screen of inner roof (rear of second slot from front) on left hand side of cab.
5. Insert bracket through screen and hold against outer edge of roof. Using bracket as template, drill two 9/32-inch (7 mm) holes in roof of cab and secure with two self-tapping screws.



2A4;TY6654 Y05;715 B 041082

6. Using bracket as template, drill two 13/64-inch (5 mm) holes into outer edge of roof. Secure bracket to roof with two blind rivets. Make sure rivet heads are inside.
7. Thread antenna onto base using 1/4-inch lock washer.

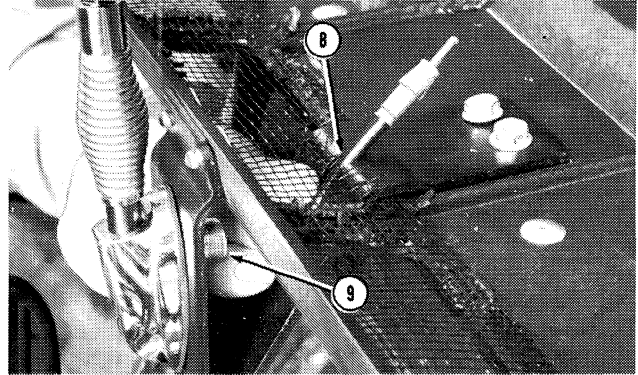


2A4;TY6655 Y05;715 C 041082

Install the Radio

8. Insert male end of antenna cable through screen. Pull cable through leaving approximately 12-inches (305 mm) outside of screen.

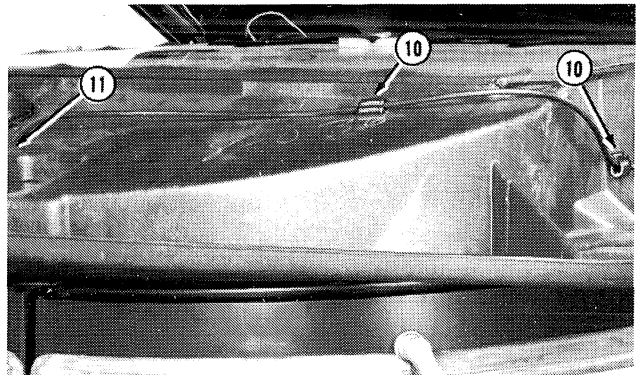
9. Connect female end of antenna cable to 1/2-inch special nut on base.



2A4;TY6656 Y05;7IS D 041082

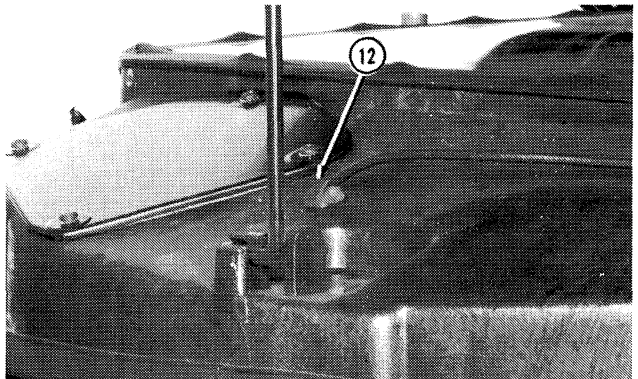
10. Secure cable in clips on inner roof.

11. Remove sealant from hole in center of roof. Insert cable through roof. Make sure excess cable is pushed into cab.



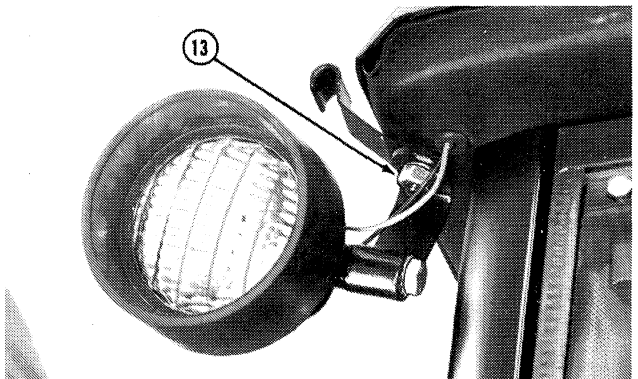
2A4;TY6657 Y05;7IS E 041082

12. Replace sealant around cable. Put sealant into hole.



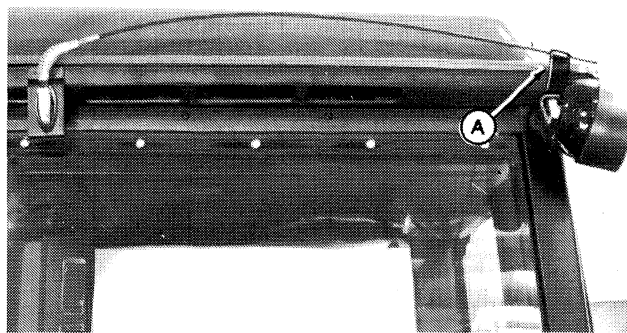
2A4;TY6658 Y05;7IS F 041082

13. Install antenna hold down between roof and rear flood light bracket with existing hardware.



2A4;TY6659 Y05;7IS G 041082

NOTE: Hold down (A) is provided to secure antenna in horizontal position (below level of cab roof). This provides more clearance with overhead obstacles.



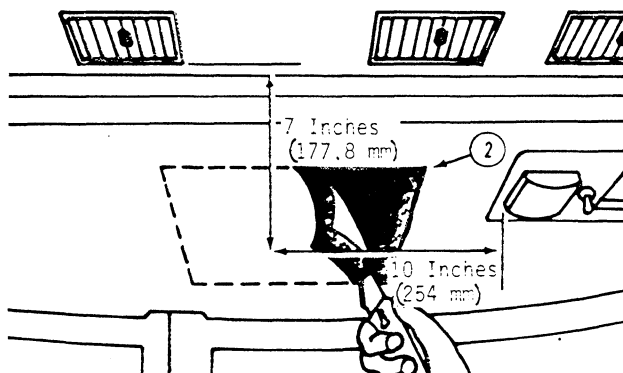
2A4;TY6739 Y05;715 H 041082

CUT HEADLINER (Sound-Gard Body Only)

1. Using a sharp knife, puncture hole in headliner approximately 10 ins. (254 mm) left of dome light and 7 ins. (177.8 mm) in front of air conditioning duct. Cut toward back of cab to metal frame.
2. Carefully cut around inside of metal frame and remove square portion of headliner.



CAUTION: Headliner material is made of pressed fiberglass. Do not let material come in contact with skin or eyes.



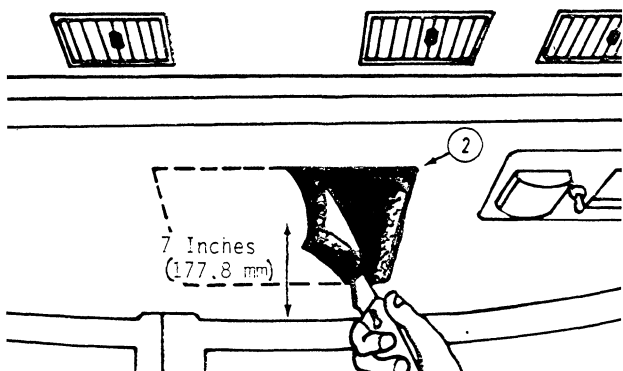
2A4;TY7142 Y05;715 I 041082

CUT HEADLINER (Sound-Gard Styled Cabs Only)

1. Using a sharp knife, puncture hole in headliner 7 ins. back from windshield in center of cab. Cut toward back of cab to metal frame.
2. Carefully cut around inside of metal frame and remove square portion of headliner.



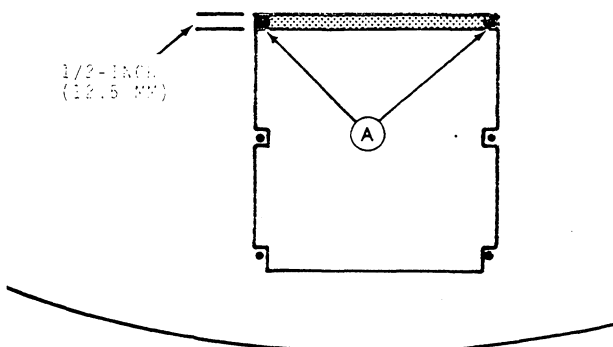
CAUTION: Headliner material is made of pressed fiberglass. Do not let material come in contact with skin or eyes.



2A4;TY7143 Y05;715 J 041082

3. Cut and remove an additional 1/2-in. (12.5 mm) of material from the rear square cutout to expose the rear mounting holes (A).

NOTE: Speaker kit and antenna kit must be installed before radio is installed. (These kits are factory installed for combines.)



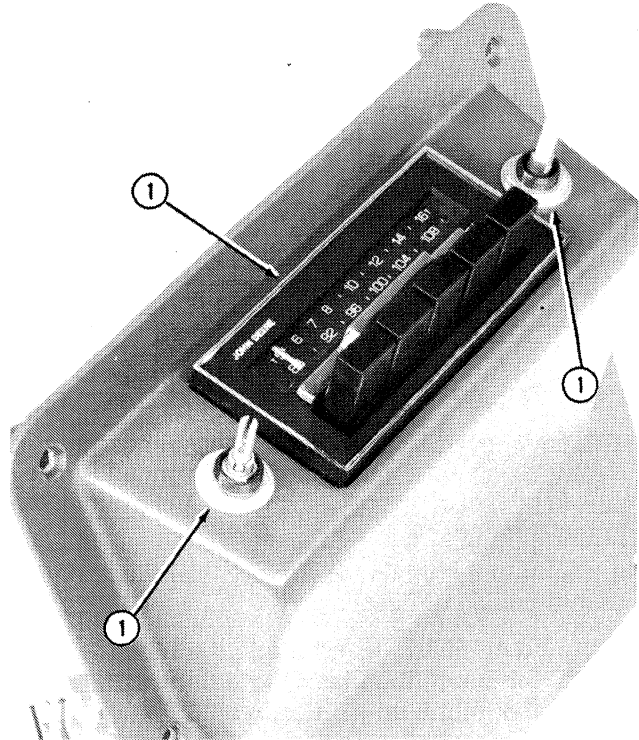
2A4;TY7144 Y05;715 K 041082

INSTALL RADIO

IMPORTANT: The radios in TY15163 AM, TY15154 AM/FM Stereo and TY15175 AM/FM Stereo Cassette Radio Kits are of a high-powered output design and are only to be installed utilizing TY15157 or TY15164 Speaker Kit and TY15156, AH105035 or BE22118 Antenna Kit.

1. Insert radio face through front of grille. Thread special hex nut and 17/32-in. flat washer on both radio control shafts. Do not tighten.

NOTE: Two grilles are furnished. Use grille color compatible with interior.



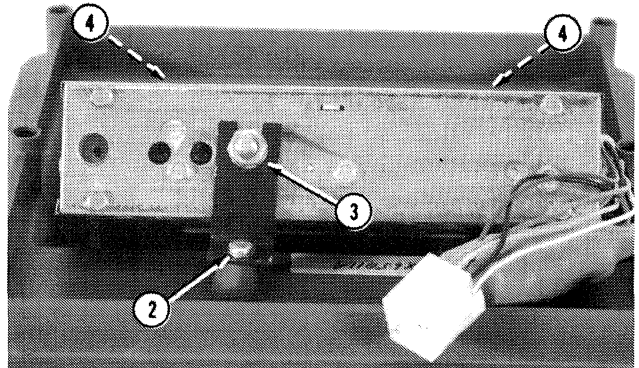
2A4;TY6660 Y05;715 L 141082

2. Attach rear support bracket to grille using No. 8 pan head screw and internal tooth lock washer.

3. Secure radio to rear support bracket with 1/4-inch nut and lock washer.

4. Tighten nuts on radio control shafts and install tone, volume and tuning knobs.

AM/FM Stereo Radio Illustrated



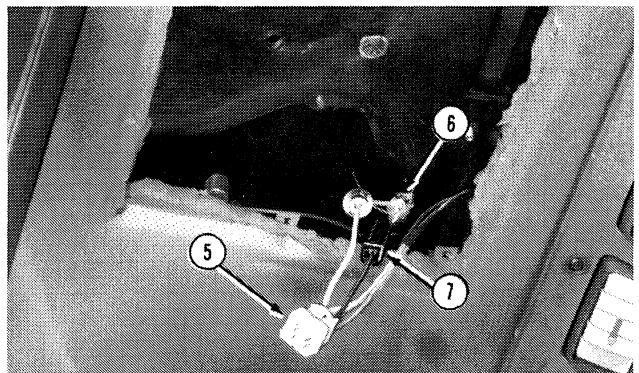
2A4;TY6661 Y05;715 M 141082

5. Pull wiring harness through opening.

6. Connect fused power lead of wiring harness to Sound-Gard main wiring harness located on top of front headliner support.

7. (Sound-Gard Body Only) Connect ground lead of wiring harness to main Sound-Gard Body wiring harness.

NOTE: Connect female connector on wiring harness to male connector on main Sound-Gard Body wiring harness and vice versa.

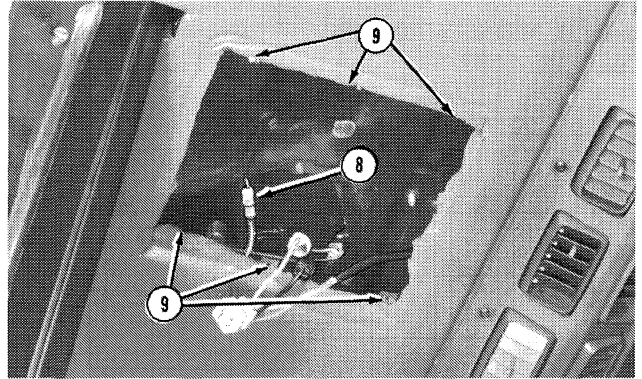


2A4;TY7145 Y05;715 N 041082

Install the Radio

8. Pull antenna cable through opening.

9. (Sound-Gard Body Only) Attach six special nuts to metal frame.



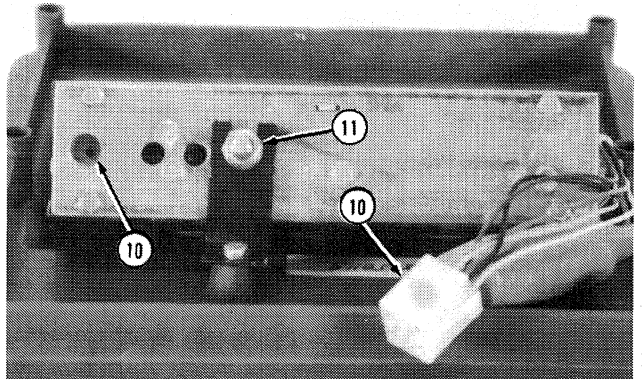
2A4:TY7146 Y05:715 O 041082

10. Connect wiring harness and antenna cable to back of radio.

NOTE: Antenna cable connects to antenna wire on radio for AM/FM Stereo Cassette Radio.

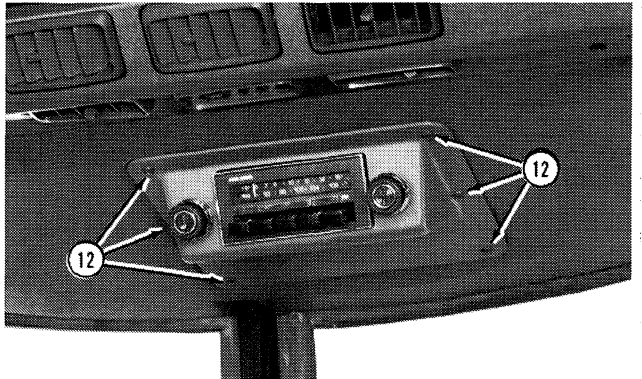
11. (Sound-Gard Styled Cabs Only) Secure wire with ground eyelet on Sound-Gard main wiring harness to rear support stud of radio.

AM/FM Stereo Radio Illustrated



2A4:TY7147 Y05:715 P 041082

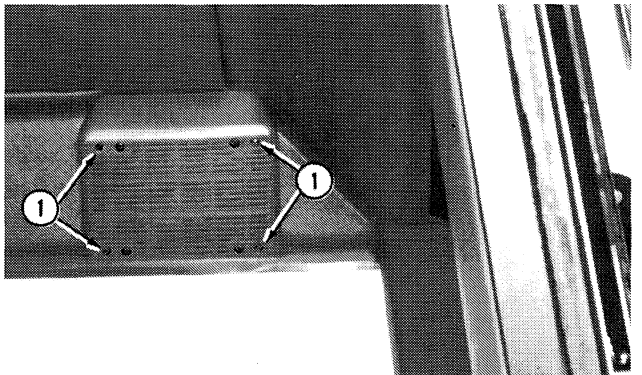
12. Position radio grille in headliner and secure radio grille to metal frame using six No. 10 self-tapping screws.



2A4:TY7148 Y05:715 Q

INSTALL SPEAKERS (Sound-Gard Body Only)

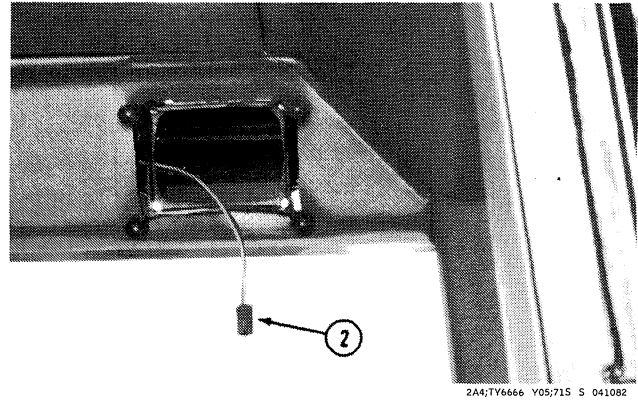
1. Remove grilles from back of headliner and save screws.



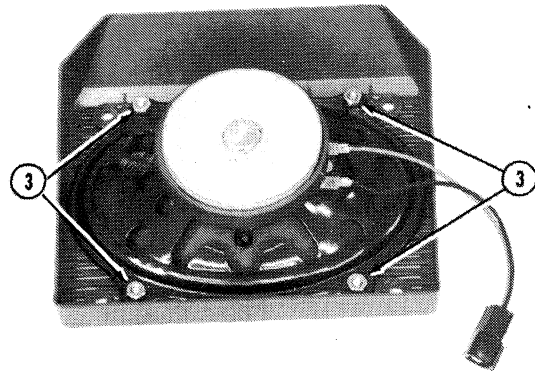
2A4:TY6665 Y05:715 R

Install the Radio

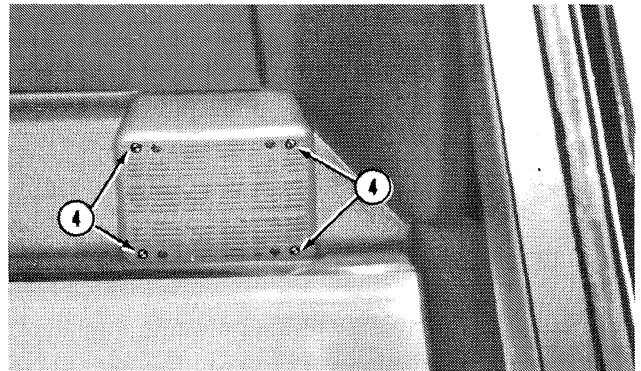
2. Pull wiring harness through speaker openings.



3. Attach speakers to grilles with four No. 10 special screws, lock washers and nuts.



4. Connect wiring harness to speakers. Install speaker and grilles in back panel with existing screws.

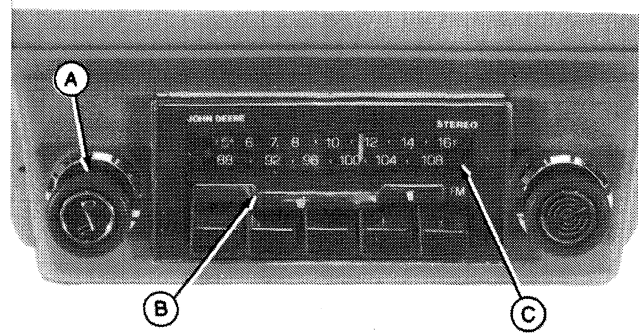


Operate the Radio

ADJUST ANTENNA TRIMMER (AM and AM/FM Stereo)

NOTE: Antenna must be in upright vertical position while making the following adjustments.

1. Turn ON-OFF and Volume Control (A) to the right to turn radio on.
2. (AM/FM Stereo only) Set AM/FM Band Switch (B) on AM band.
3. Tune in a weak station around 1400 kHz.
4. Adjust antenna trimmer (C) with screwdriver (1/16-in. or smaller) for maximum volume.

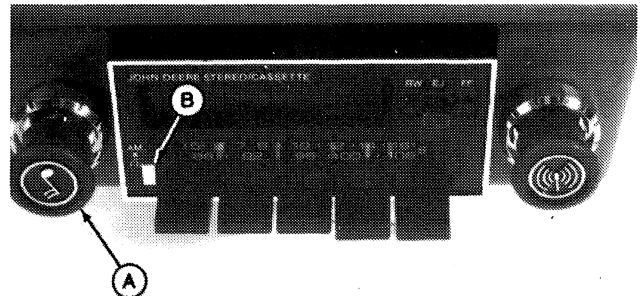


2A4;TY6670 Y05;70P A 041082

ADJUST ANTENNA TRIMMER (AM/FM Stereo Cassette)

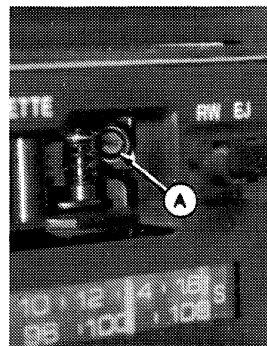
NOTE: Antenna must be in upright vertical position while making the following adjustments.

1. Turn ON-OFF and Volume Control (A) to the right to turn radio on.
2. Place AM/FM Button (B) in out position of AM band.
3. Tune in a weak station around 1400 kHz.



2A4;TY8501 Y05;70P B 061082

4. Open cassette door and locate antenna trimmer (A) to the right side in the cassette player.
5. Adjust antenna trimmer with a screwdriver (1/16 in. or smaller) for maximum volume.



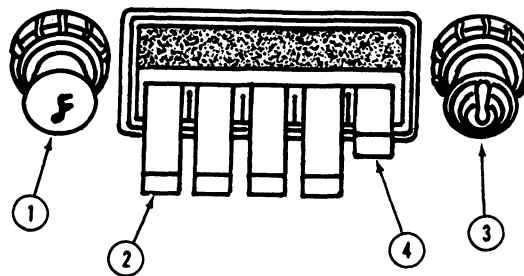
2A4;TY8495 Y05;70P C 061082

SET PUSH BUTTONS

NOTE: Antenna must be in upright position to make the following adjustment.

1. Turn radio on.
2. Pull all push buttons out.
3. Tune in desired station with tuning control. (AM/FM Band Switch or AM/FM Button must be on desired band on AM/FM stereo radio and AM/FM stereo cassette radios.)
4. Push one button in to lock to desired station.
5. Repeat steps 3 and 4 for remaining four buttons.

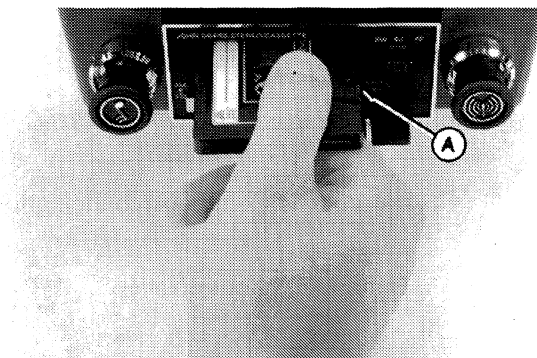
NOTE: A total combination of 5 AM or FM stations can be set on AM/FM Stereo and AM/FM Stereo Cassette Radios.



2A4;TY6856 Y05;70P D 141082

OPERATE CASSETTE PLAYER

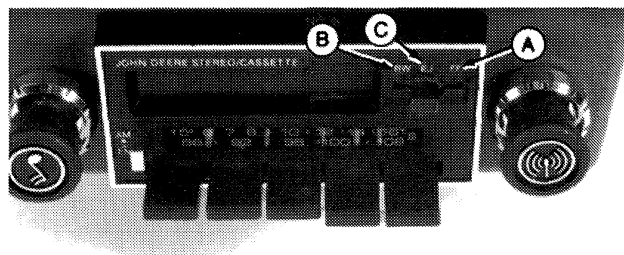
1. Turn radio on.
2. Insert cassette through cassette door with the exposed tape (A) to the right side.
3. To play program on opposite side, turn cassette over and reinsert with exposed tape (A) to the right side.



2A4;TY8496 Y05;70P E 061082

OPERATE TAPE CONTROL BUTTON

1. Push Tape Control Button to the right (A) to rapidly advance the tape.
2. Push Tape Control Button to the left (B) to rapidly rewind the tape.
3. Push Tape Control Button in (C) to eject cassette from player.



2A4;TY8497 Y05;70P F 061082

Trouble Shooting

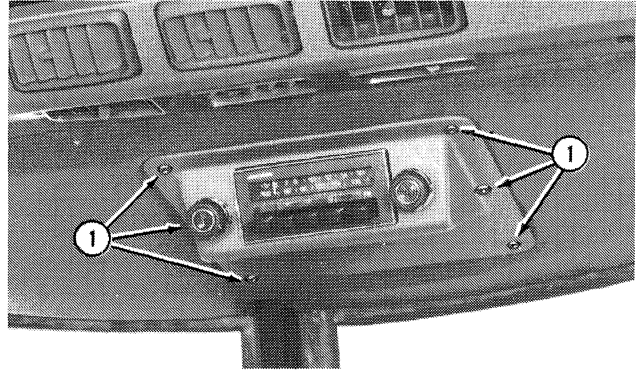
Trouble	Possible Cause	Remedy	Page
Radio not operating.	Ignition switch in "OFF" position.	Turn key to "ON"	—
	Blown fuse.	Replace fuse.....	12
	Poor connection to radio	Check wiring harness	—
	Poor connection to speakers.	Check wiring harness	—
Poor Reception	Station improperly tuned in.	Tune station with tuning control	2
	Push button improperly set.	Set push buttons	10
	Antenna in improper position.	Place antenna in upright position	—
	Antenna Trimmer improperly adjusted	Adjust Antenna Trimmer.....	9
	Poor antenna connection.	Check antenna cable connection.....	—
	Improper speaker balance.	Set balance control.....	2
	Damaged antenna.	Replace antenna	—
	Damaged speaker.	Replace speaker	12
Cassette Tape Player operating erratically	Dirty Tape Head	Clean Tape Head	12

Service

REPLACE FUSE

IMPORTANT: Radio grille should be held in place while removing screws to avoid damage to radio and wiring.

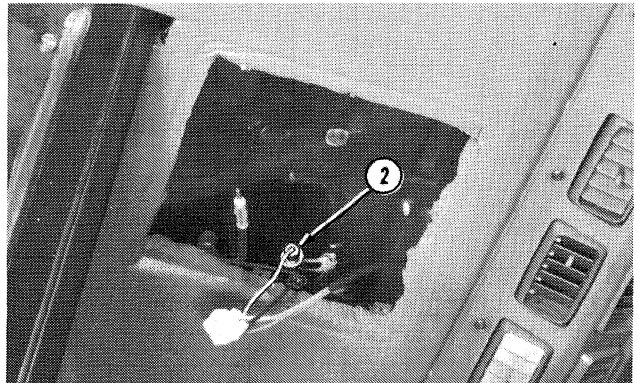
1. Remove six No. 10 self-tapping screws from grille.



2A4;TY6669 Y05;7SE A 041082

2. Remove fuse in wiring harness and replace with AGC 4-amp fuse.

3. (Not illustrated) Install radio grille back into headliner.



2A4;TY6737 Y05;7SE B 061082

REPLACE SPEAKER

1. Remove grille and speaker assembly from back panel.
2. Disconnect wiring harness from speaker.
3. Remove speaker from grille and replace with new speaker.
4. Connect wiring harness to speaker.
5. Secure grille and speaker assembly to back panel.

2A4; Y05;7SE C 061082

CLEAN CASSETTE PLAYER TAPE HEAD

Periodically, clean cassette player tape head (A) to remove oxide build-up that can cause erratic operation.



2A4;TY8502 Y05;7SE D 041082

Specifications

SPECIFICATIONS

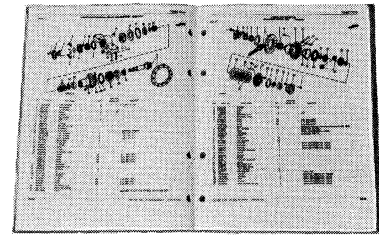
Supply Voltage	11 to 16 Volts
Maximum Output	15 watts
Impedance	5.9 ohms
Fuse	AGC 4-amp Located in Sound-Gard Body wiring harness.
Speaker Size	4 in. x 6 in. (101.6 mm x 152.4 mm) (Sound-Gard Styled Cabs Only) 5 in x 7 in. (127 mm x 177.8 mm) (Sound-Gard Body Only)
Tuning Range	540 kHz to 1610 kHz (AM) 87.5 mHz to 108.5 mHz (FM)
Antenna Length	34 in. (863.6 mm)

(Specifications and design subject to change without notice.)

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PARTS CATALOG



A parts catalog containing exploded view illustrations and lists of all parts is useful when purchasing service parts. Helps identify the correct parts. Useful in assembling and disassembling.

OPERATOR'S MANUAL



An extra copy of the operator's manual may be important if the copy furnished with your machine is misplaced.

FOS MANUALS ON COMPACT EQUIPMENT



John Deere has made these new books available so you can read and learn the basics of how to service and repair most types of compact tractors and small engine-powered equipment. The fundamentals of how those systems work are shown clearly with hundreds of color illustrations. You can learn about operating principles of engines, electrical systems, power trains, or hydraulic systems. No brands or model numbers are mentioned; only generic principles are covered.

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AM and AM/FM Stereo Cassette Radios	OM-TY20542		

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We help minimize downtime by putting the right parts in your hands in a hurry. That's why we maintain a large and varied inventory — to stay a jump ahead of your needs.



The right tools.

Precision tools and testing equipment enable our Service Department to locate and correct troubles quickly . . . to save you time and money.



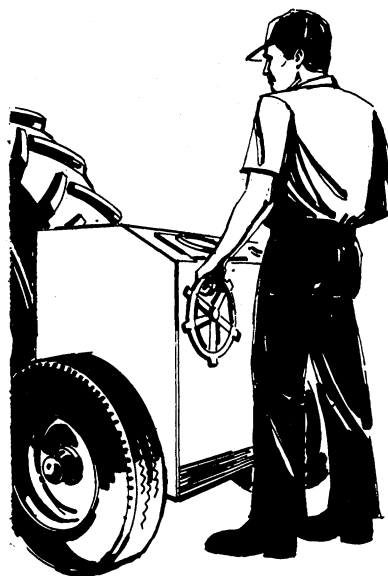
Well-trained technicians.

School is never out for John Deere service technicians. Training schools are held regularly to be sure our personnel know your equipment and how to maintain it. Result? Experience you can count on!



Prompt service.

Our goal is to provide prompt, efficient care when you want it and where you want it. We can make repairs at your place or at ours, depending on the circumstances. See us. Depend on us.



John Deere Service Superiority: We'll be around when you need us

