

AM AND AM / FM STEREO FENDER MOUNT RADIOS



JOHN DEERE

OPERATORS MANUAL

AM AND AM / FM STEREO FENDER MOUNT RADIOS

OMTY20736 L4 English

JOHN DEERE MERCHANDISE DIVISION
OMTY20736 L4

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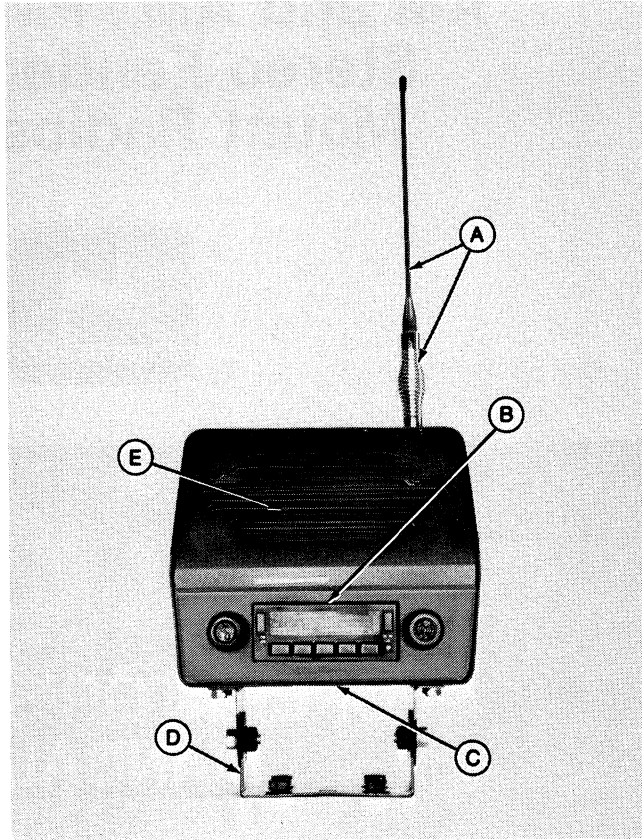
Introduction

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

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

IMPORTANT: This radio is designed for 12-volt DC negative ground installation only.

- A - Antenna
- B - Radio
- C - Serial Number
- D - Mounting Bracket
- E - Speaker



TY12180

John Deere AM/FM Stereo Fender Mount Radio

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Controls

Controls (AM and AM/FM Stereo)

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

(AM/FM stereo only.) Push AM/FM switch (B) to select AM or FM broadcast band. FM is "IN" position and will light (GREEN) FM indicator (C). AM band is "OUT" position and will light (RED) AM indicator (D).

(AM/FM stereo only.) Push "DX/IN-LOC" switch (E) "IN" when tuned to weak (distant) stations. When tuned to strong local stations set the switch to "OUT" position.

NOTE: Best FM reception will usually be with "DX/IN-LOC" switch set to "IN" position.

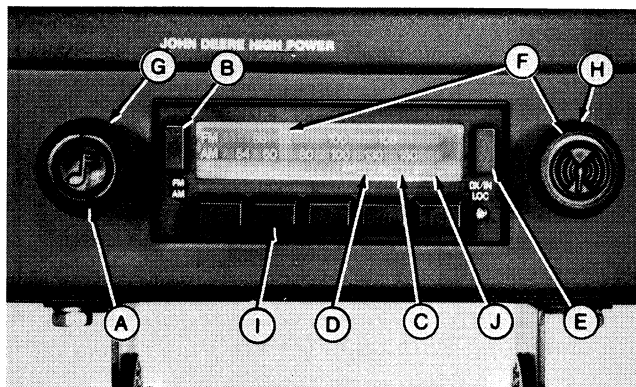
Turn the Tuning Control (F) to select desired station.

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

Turn the Balance Control (H) to adjust sound level between left and right channels.

Push one of the five Push-Button selectors (I) to select one pre-set station.

(AM/FM stereo only.) Stereo indicator (J) (GREEN) indicates when FM stereo broadcast is being received.



Install the Radio

INSTALLING RADIO

1. Determine location for radio on right side fender. Using fender bracket as template, drill four 3/8-in. diameter holes in fender.

IMPORTANT: Before drilling be sure there are no electrical wires under fender.

2. Drill a 3/8-in. diameter hole directly over fender channel and smooth out edge of hole.

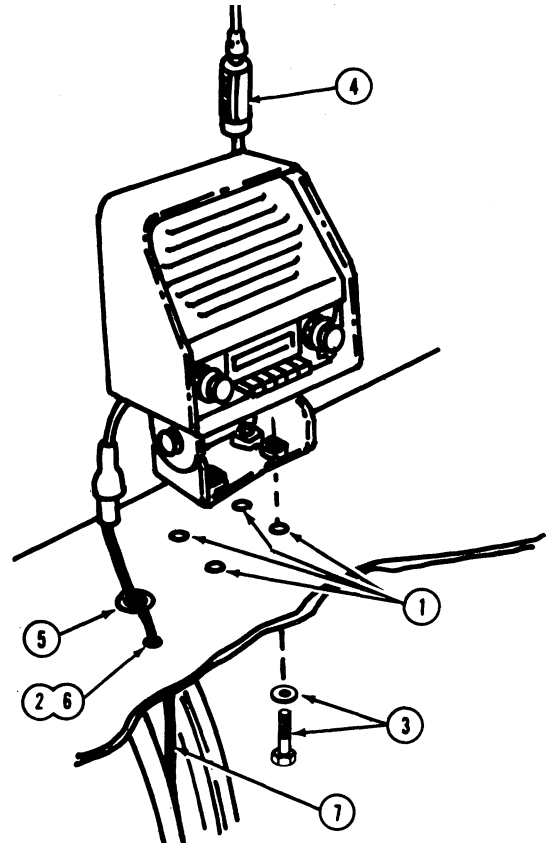
3. Attach radio bracket to fender with four 5/16 × 5/8-in. screws and washers.

4. Attach antenna to base and secure with set screw.

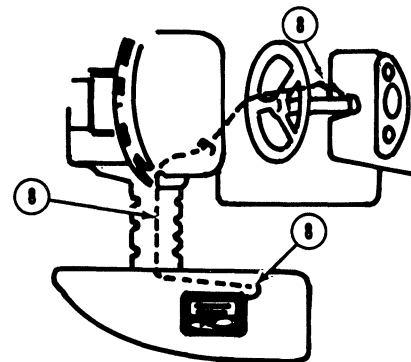
5. Insert terminal end of lead wire through grommet.

6. Place grommet into hole in fender and pull lead wire through grommet.

7. Route lead wire through fender channel.



8. Route lead wire parallel to light leads to dash panel.



CONNECTING WIRE LEAD (Typical Installation for Compact Utility Tractors.)

Remove nut on terminal "C" of key switch with white on black wire attached. Connect eyelet of lead wire to terminal and fasten with nut. (See tractor technical manual for removal and installation of key switch.)

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**CONNECTING WIRE LEAD
(Typical Installation for Utility Tractors.)**

Remove nut on protected side of circuit breaker. Connect eyelet of lead wire to terminal and fasten with nut. (See tractor technical manual for circuit breaker location and circuitry.)

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**CONNECTING WIRE LEAD
(Typical Installation for Row-crop and
Four-wheel Drive Tractors.)**

Remove nut on protected side of circuit breaker. Connect eyelet of lead wire to terminal and fasten with nut. (See tractor technical manual for circuit breaker location and circuitry.)

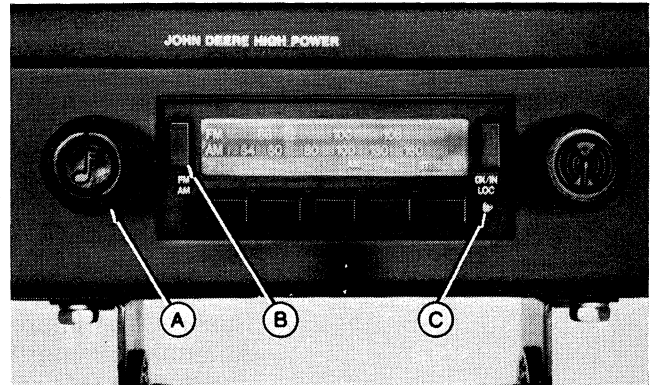
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Operate the Radio

ADJUSTING ANTENNA TRIMMER

NOTE: Antenna must be attached to make the following adjustment.

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.

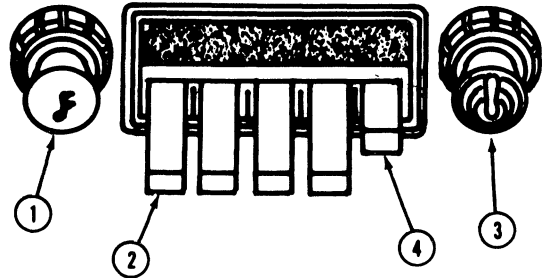


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SETTING PUSH BUTTONS

NOTE: Antenna must be attached to make the following adjustment.

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



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Trouble Shooting

Trouble	Possible Cause	Remedy	Page
Radio not operating.	Ignition switch in "OFF" position.	Turn key to "ON".	—
	Blown fuse.	Replace fuse.	7
	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.	4
	Antenna Trimmer improperly adjusted (AM radio reception).	Adjust Antenna Trimmer.	5
	DX/IN — LOC switch improperly set. (FM radio reception only).	Set DX/IN — LOC switch.	2
	Poor antenna connection.	Check antenna cable connection.	—
	Improper speaker balance.	Set balance control.	2
	Damaged antenna.	Replace antenna.	—
	Damaged speaker.	Replace speaker.	—

Service

REPLACING FUSE

1. Remove cover from back of radio enclosure.
2. Disconnect fuse holder by pushing inward and turning.
3. Insert new 5-amp (AGC5) fuse in fuse holder.
4. Connect fuse holder.

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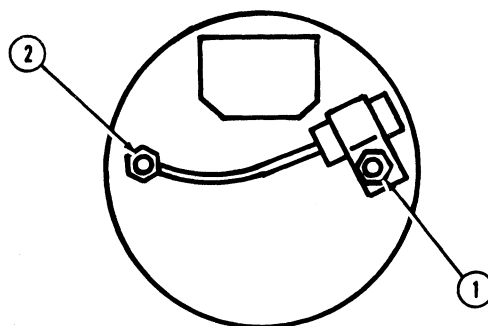
NOTE: A capacitor is only needed when static exists in radio reception.

INSTALLING CAPACITOR (Alternator Without Regulator Attached)

1. Fasten capacitor bracket to ground terminal using existing nut.

IMPORTANT: If insulated washer is present, install bracket under washer.

2. Fasten wire eyelet to regulator terminal using existing nut.

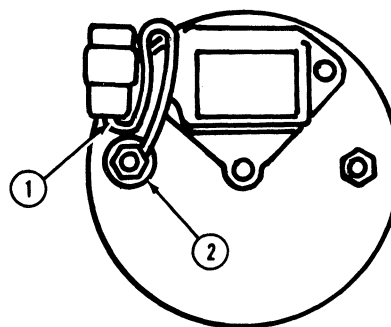


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INSTALLING CAPACITOR (Alternator With Regulator Attached)

1. Fasten capacitor bracket to existing regulator mounting screw.
2. Loop capacitor lead and fasten wire eyelet to auxiliary terminal using existing nut.

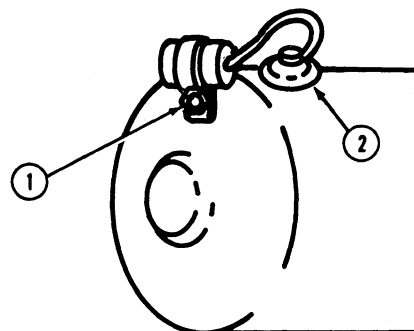
IMPORTANT: Do not fasten eyelet under insulating washer.



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INSTALLING CAPACITOR (12-Volt Generator)

1. Fasten bracket to generator with existing frame screw.
2. Fasten wire eyelet to armature terminal.



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Specifications

Supply Voltage 11-16 Volts DC Negative Ground

Maximum Output..... 15 Watts / Per Channel

Impedance..... 5.9 ohms

Speaker Size AM — one 4 × 8 in. (101.6 mm × 203.2 mm)
AM/FM Stereo — two 4 × 6 in. (101.6 mm × 152.4 mm)

Tuning Range..... 540 kHz to 1610 khz (AM)
87.5 mHz to 108.5 mHz (FM)

Antenna Length 38-1/2 in. (977.9 mm)

(Specifications and design subject to change without notice.)

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

JOHN DEERE RADIO

Model No. _____

Serial No. _____

Date of Purchase _____

(To be filled in by purchaser.)

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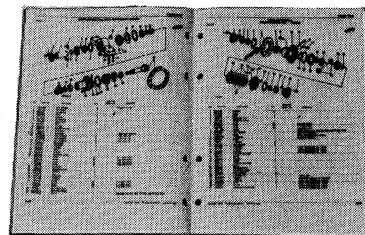
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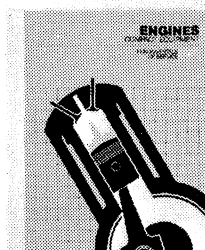
A parts catalog containing exploded view illustrations and lists of all parts is useful when purchasing service parts. Helps identify the correct parts. Useful in assembling and disassembling.

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



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