

GREENSTAR™ ISO Implement Connector Kit

Package with RE174725, RE174726 and
RE177246



JOHN DEERE

INSTALLATION INSTRUCTIONS

AR178683 12APR02 (ENGLISH)

**7000, 7010, 8000, 8010, 8000T, 8010T, 8020,
8020T, 9000, 9000T, 9020, 9020T Series Tractors
- Older Tractors require AR178681 or BA28418
Power Adapter Bundle**

**Deere & Company
AR178683 (12APR02)**

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AR178683 -19-12APR02

PARTS LISTING FOR RE174725 (8000/8010/8000T/8010T/8020/8020T Series)

RE158191	Implement Harness	1
RE165523	2.5v CAN connector	1
R167094	Bracket, implement connector	1
19M7550	Screw, cap M10 x 35mm	2
14M7274	Nut, hex	2
24M7028	Washer	2
37M7090	Screw, M6 x 16mm	4
AR178683	Installation Instruction	1

RE26679,0000118 -19-30NOV00-1/1

PARTS LISTING FOR RE174726 (9000/9000T/9020/9020T Series)

RE158192	Implement Harness	1
RE165523	2.5v CAN connector	1
R173947	Bracket, implement connector	1
37M7090	Screw, M6 x 16mm	4
19M7868	Screw, cap M8 x 30mm	4
24M7336	Washer	4
14M7426	Nut, locking	4
AR178683	Installation Instruction	1

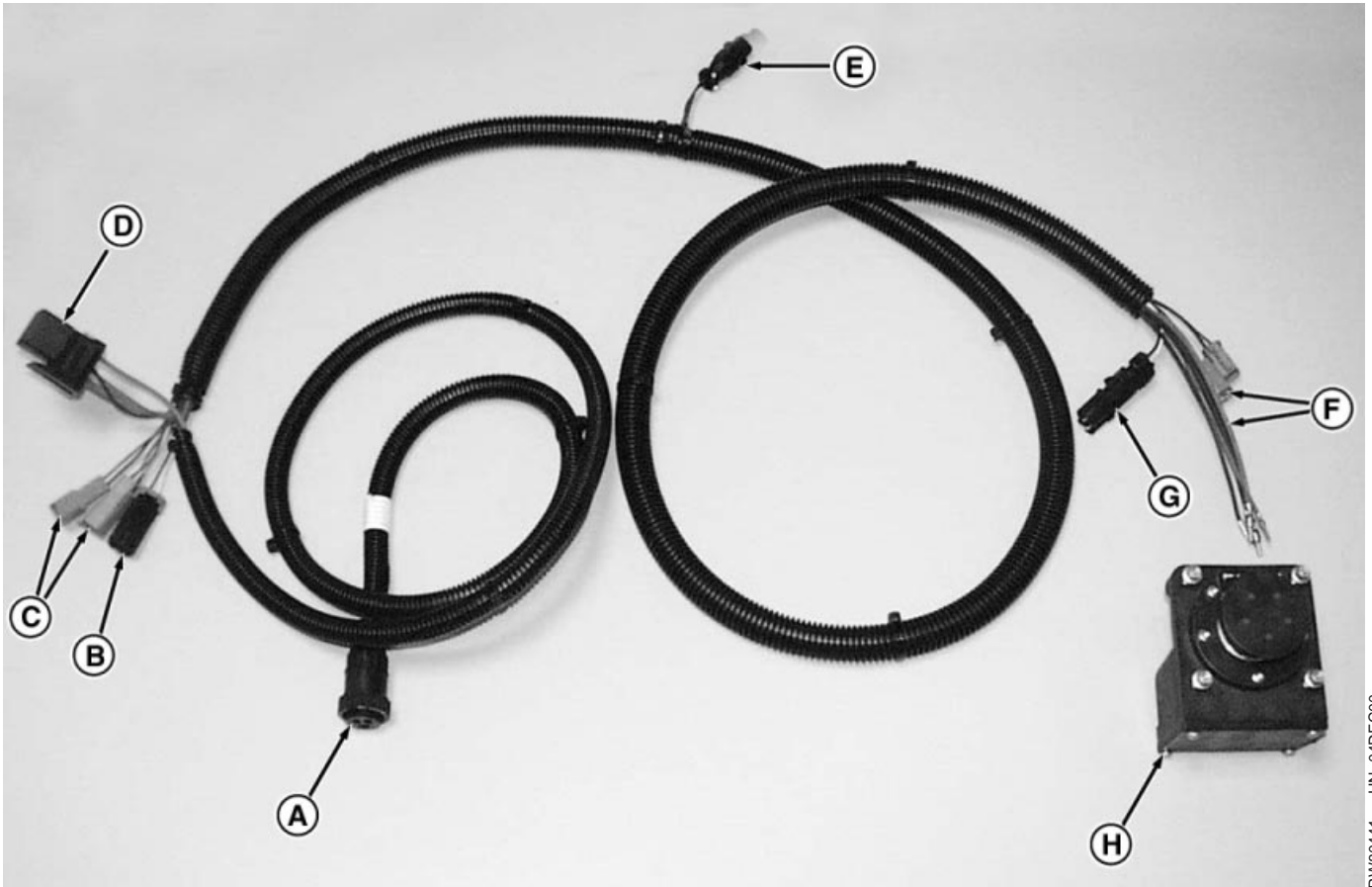
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PARTS LISTING FOR RE177246 (7000/7010 Series)

RE158191	Implement Harness	1
RE165523	2.5v CAN connector	1
19M7922	Screw,cap M8 x 40mm	2
14M7273	Nut,hex	2
24M7055	Washer, 8.4x16x1.6mm	2
R128826	Bracket, 2 SCV	1
R129704	Plate	1
R128734	Bracket, 3/4 SCV	1
R95866	Decal, SCV coupler	1
37M7090	Screw, M6 x 16mm	4
AR178683	Installation Instruction	1

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ISO IMPLEMENT HARNESS CONNECTOR IDENTIFICATION



A—Convenience Outlet
Connector
B—Implement Switch and
Radar

C—Implement CAN Cab
Connectors
D—Relay

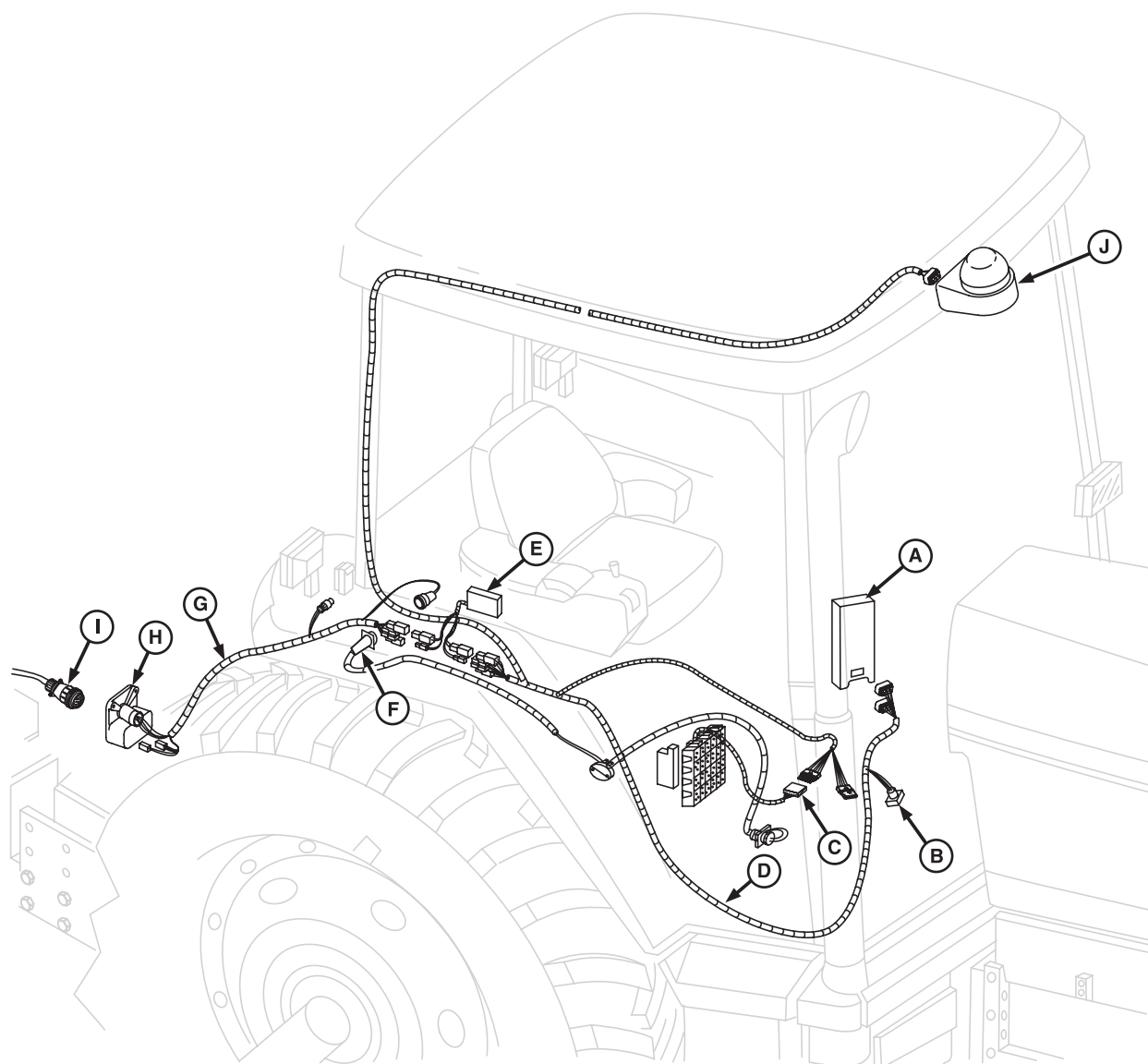
E—Radar Connector
F—Implement Data
Connectors

G—Implement Switch
H—ISO Implement Connector

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INSTALL IMPLEMENT HARNESS AND CONNECTOR



RW71752 -UN-30NOV00

A—GreenStar Display and Mobile Processor (dual-CAN)
B—Terminator - 2.5 volt
C—Cab Power Harness Connection

D—GreenStar Cab Harness
E—Frame Control Operating Panel
F—Convenience Outlet Power Supply

G—GreenStar Implement Connector Harness
H—Implement Connector (ISO coupler) - 2.5 Volt

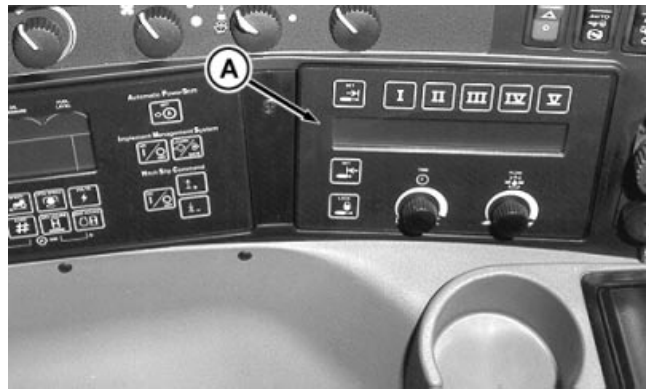
I—Deutsch 9-pin Connector
J—Position Receiver (dual CAN)

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RE26679,0000119 -19-30NOV00-1/5

NOTE: If GreenStar Cab Harness was installed as a field option, the terminator and "Y" harness may or may not have been installed. If terminator is not visible, look for two gray connectors, one 2-pin and one 4-pin.

1. On 8000 and 9000 Series tractors, under the SCV setup panel (A), there is a short 'Y' shaped CAN terminator harness (RE173954) which is connected to the main GreenStar Cab wire harness. Disconnect this harness from the main harness. On 7000 Series, the 'Y' shaped CAN terminator harness is under the control console rear panel. Disconnect from main harness.



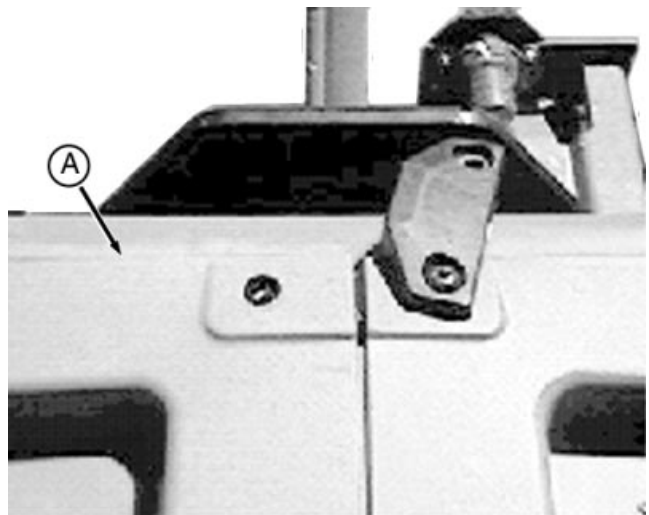
8000/9000 scv setup panel



7000 Series

RE26679,0000119 -19-30NOV00-2/5

2. Open the rear window and remove the cover (A) — on control console side of tractor.



View from cab seat

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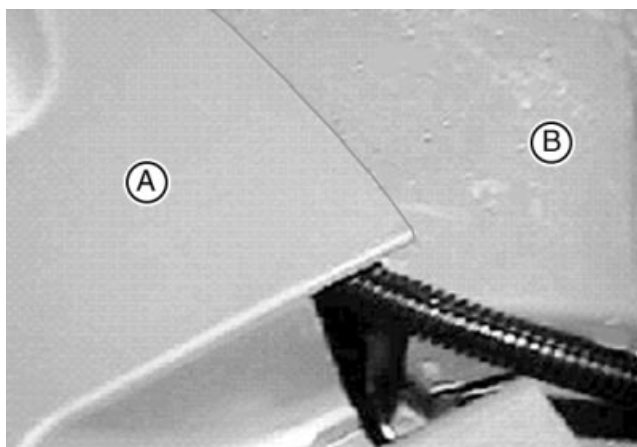
NOTE: Refer to previous drawing for component and connector identification.

3. On the implement harness, RE158191 (7000 & 8000) or RE158192 (9000), locate the two DEUTSCH™connectors (one 2-pin, one 4-pin), the 2-way Packard METRI-PACK™ connector and the 40 amp relay on the end near the convenience connector. Feed these three connectors and the 40 amp relay through the opening between the ROPS (C) and outer frame of the cab, under the console and plug into the mating Deutsch connectors and the 2-way Packard Metric-Pack connector.

NOTE: GreenStar Cab Harness must also be connected to power supply per instructions supplied with field installed cab harness.

4. Connect the convenience connector to the tractor convenience outlet. Pass the other end of the implement harness under the plastic cover (A) and through the grommet under the rear window.

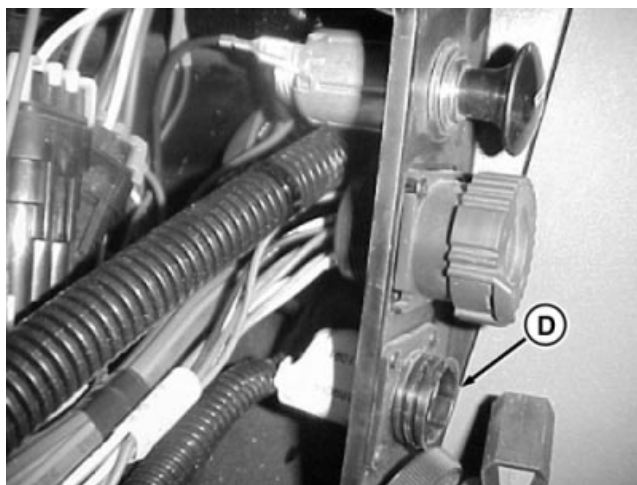
A—Brown cover
B—Green fender panel
C—ROPS
D—Convenience Outlet



RW80333 -UN-07MAR00



RW80308 -UN-07MAR00



RW80321 -UN-07SEP00

under scv setup panel

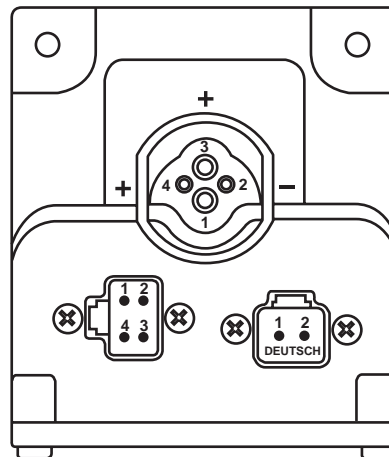
DEUTSCH is a trademark of Deutsch Co.
METRI-PACK is a trademark of Packard Electric Inc.

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RE26679,0000119 -19-30NOV00-4/5

NOTE: Sockets are identified on the back of the connector.

5. Connect the Deutsch connectors (one 2-pin, one 4-pin) to the ISO implement connector (RE165523). Also, turned back under the flexible conduit are two red power wires, and two black ground wires that go to the four open sockets in the back of the ISO implement connector. The **large red** pin goes to top center socket (3), the **small red** pin goes to socket (4), the large black pin goes to the bottom center socket (1), and the small black pin goes to socket (2).
6. Attachment of the RE165523 ISO Implement Connector will depend on tractor model.



ISO Connector—Rear View

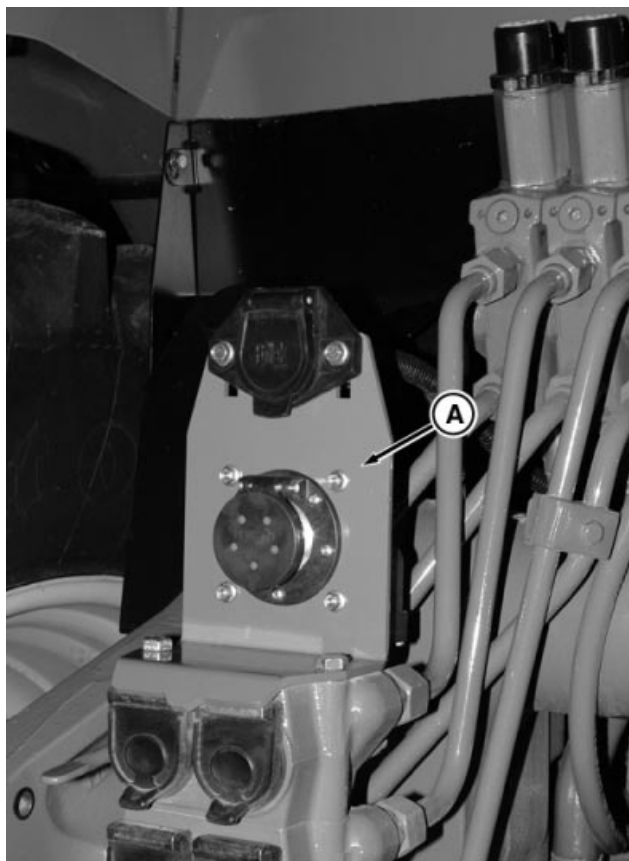
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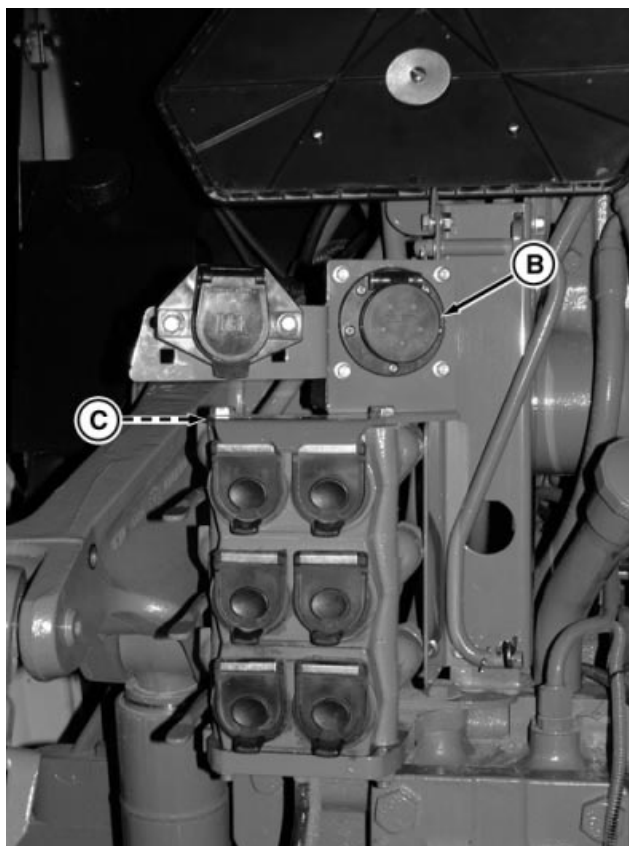
On 7000/7010 Series Tractors (Kit RE177246)

1. Remove the existing 7-pin connector bracket from the top of the SCV coupler stack and replace with either R128826 bracket (2 SCVs) or R128734 bracket and R129704 plate (3 or 4 SCVs). Attach RE165523 ISO Implement Connector to the bracket with four M6 x 16mm cap screws.
2. Install 7-pin connector to the new bracket.
3. Affix R95866 decal to newly installed plate or bracket above the SCV couplers.

A—Bracket (2 SCV)
 B—Bracket (3 or 4 SCV)
 C—Plate (3 or 4 SCV)



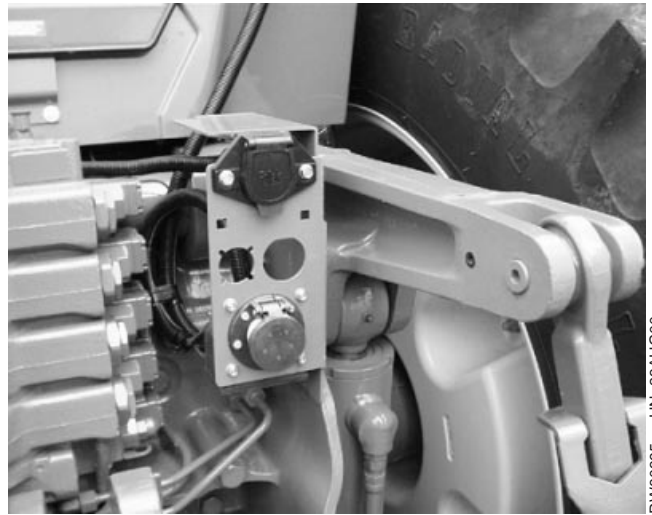
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RXA0050637 -UN-10JAN01

On 8000/8000T/8010/8010T/8020/8020T Series Tractors (Kit RE174725)

1. Install R167094 bracket to inside of hitch frame with two M10 x 35 mm cap screws, M10 hex nuts and 24M7028 washers.
2. Attach RE165523 ISO Implement Connector to the bracket with four M6 x 16mm cap screws.
3. Move 7-pin connector from the bracket on top of the valve stack to the new bracket.

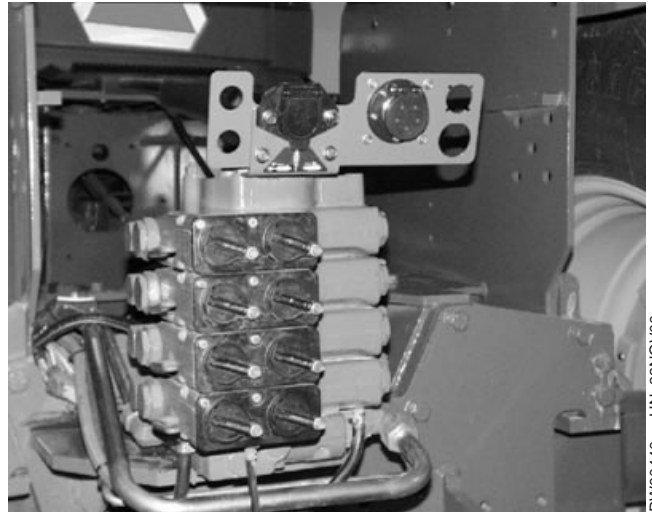


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On 9000/9000T/9020/9020T Series Tractors (Kit RE174726)

1. Attach RE165523 ISO Implement Connector to R173947 bracket with four M6 x 16mm cap screws supplied.
2. Remove the existing 7-pin connector from its bracket on top of the SCV stack.
3. Install the new bracket and 7-pin connector as shown, using four M8 x 30mm cap screws, 24M7336 washers and locking nuts. If the slow moving vehicle (SMV) sign is mounted on the SCV stack, that bracket must be attached along with the 7-pin Connector and the new ISO Implement connector bracket. Other features such as TouchSet Depth Control or power beyond can use the new R173947 bracket.



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