

# A-AP459

## Three Pin Auxiliary Power Connector Kit



### INSTALLATION INSTRUCTIONS

#### THREE PIN AUXILIARY POWER CONNECTOR KIT

Kit contains:

- 1 – Three pin connector with 3 feet of harness
- 2 – Yellow crimp connectors
- 1 – Blue crimp connector



For use with many New Holland & Case IH applications.

This kit allows an operator to attach an electrical control box or monitor to the three pin electrical outlet in the tractor cab as pictured below right.

The three pins are connected to three wires inside a protective sheath.

- The black wire is a negative ground circuit.
- The red wire is a positive battery powered circuit. (Unswitched Positive)
- The dark brown wire is a 12 volt positive, key switch circuit.

NOTE: Some New Holland applications have different power & ground identifications. See below.



TRACTOR	PIN	WIRE COLORS	FUNCTIONS	AMP RATING
Early 9000 Series	3	Black	Keyed 12V Power	20
	2	Red	Live 12V Power	20
	1	Dark Brown	Ground	20
ALL 8070 Series	3	Black	Ground	30
	2	Red	Live 12V Power	8
	1	Dark Brown	Keyed 12V Power	30
Late 9080 Series	3	Black	Ground	20
	2	Red	Live 12V Power	20
	1	Dark Brown	Keyed 12V Power	20

To attach the connector to a monitor or control box:

- 1 – Determine the circuit load of the control box or monitor.
- 2 – Determine if the control box monitor is to be powered at all times or is it to be controlled by the tractor key switch.
- 3 – Determine the proper grounding of the control box or monitor.

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- 4 – Securely mount the monitor or control box in the tractor cab.
- 5 – Determine the proper harness length required to connect the three pin connector to the monitor or control box and shorten as needed.
- 6 – Strip the black wire insulation off to expose 3/8 inch of the wire.
- 7 – Strip the control box or monitor ground wire insulation off to expose 3/8 inch of wire.
- 8 – Connect the two wires together using a yellow crimp connector and electrical crimping pliers.
- 9 – If the control box or monitor is to be key switch controlled, strip 3/8 inch of the dark brown wire insulation off of the three pin harness.
- 10 – Strip 3/8 inch of insulation off of the control box or monitor harness power wire.
- 11 – Connect the two wires together using a yellow crimp connector and electrical crimping pliers.
- 12 – If the control box or monitor requires power at all times, strip 3/8 inch of the red wire insulation off of the three pin harness.
- 13 – Strip 3/8 inch of insulation off of the control box or monitor harness power wire.
- 14 – Connect the two wires together using a blue crimp connector and electrical crimping pliers
- 15 – If the third wire is not used, crimp the unused crimp connector on the loose wire to prevent contact with metal objects.
- 16 – All crimp connectors should be sealed to the wire by applying heat. An electrical heat shrink installer or butane lighter should be used to carefully shrink the connectors to the wires.

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