

VECTOR 1950 ST & MT – NEW ELECTRONIC CONTACTORS

Description: New electronic contactors have been used in manufacture of new units from serial number:

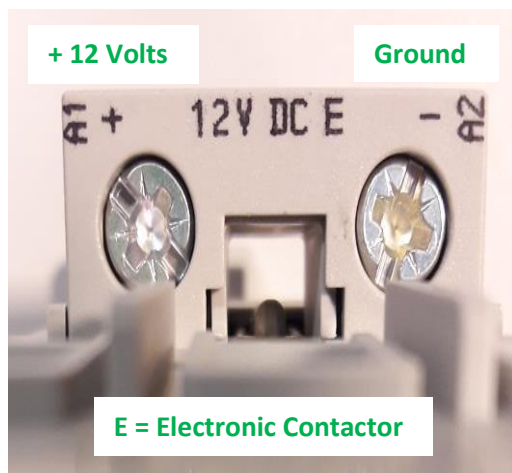
Unit Description	From Serial Number in Manufacturing
Vector 1950	RC743049
Vector 1950 MT 2CP	RC723002
Vector 1950 MT 2CP City	RC724157
Vector 1950 MT 3CP	RC742091
Vector 1950 MT 3CP City	RC737156

- Electronic contactors replace magnetic type to improve reliability
- Contactor relays are not used with electronic contactors.

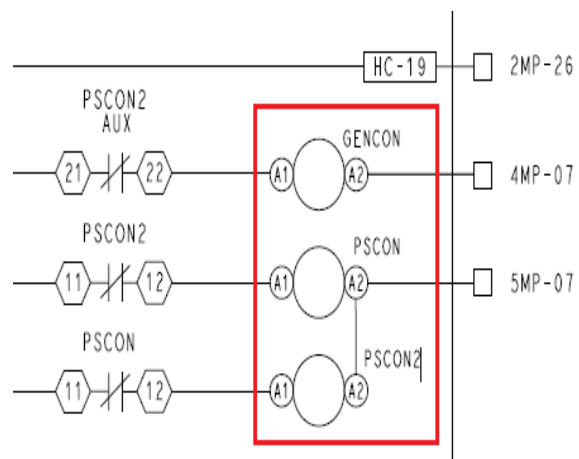


The new electronic contactors are a direct replacement for the old style but are polarized, and do not need the black auxiliary connection wires which can be discarded with the old contactor. It was possible to wire the positive and negative connections either way on the old magnetic contactor, but this is not possible on the new electronic type. Be careful to connect positive and ground connections as marked on the new contactor the correct way around.

Polarity on C30 Contactor



Polarity on Electrical Diagram



Replacement Parts:

S/N of Unit	Contactor to be Replaced	New contactor
Before S/N Application	NA	Electronic contactor (no aux) P/N 10-00503-30
Before S/N Application	Magnetic contactor (aux on right) P/N 10-00433-00	Electronic contactor (aux on right) P/N 10-00503-31
Before S/N Application	Magnetic contactor (aux on left) P/N 10-00433-06	Electronic contactor (aux on left) P/N 10-00503-32
From S/N Application	Electronic contactor (no aux) P/N 10-00503-30	Electronic contactor (no aux) P/N 10-00503-30
From S/N Application	Electronic contactor (aux on right) P/N 10-00503-31	Electronic contactor (aux on right) P/N 10-00503-31
From S/N Application	Electronic contactor (aux on left) P/N 10-00503-32	Electronic contactor (aux on left) P/N 10-00503-32



Caution: Old Magnetic Contactors P/N 10-00433-00 and 10-00433-06 cannot be fitted to units starting from the serial numbers shown in the table. Magnetic contactors on earlier serial numbers use command relays which are not present on these units.

Old Magnetic Contactor with Relays



New Electronic Contactor without Relays



Caution: Do not remove contactor command relays (PSCONR, GENCONR, CCONR and HTCON1R) on units before the serial number stated if you fit new Electronic Contactors

The use of new Electronic Contactors in manufacturing includes P/N changes for control box and electrical diagrams:

Unit Description	New Control Box P/N	New Electrical Diagram P/N
Vector 1950	91-60372-10	62-61693-01
Vector 1950 MT 2CP	91-60372-20	62-61686-02
Vector 1950 MT 3CP	91-60372-30	62-61686-02
Vector 1950 MT 2CP City	91-60372-21	62-61697-02
Vector 1950 MT 3CP City	91-60372-31	62-61697-02

VECTOR 1350 NEW ELECTRONIC CONTACTORS

Units: Vector 1350 Road and Standby AR3P (phase reversal) and DPH (phase detector)

Description: New electronic contactors have been used in manufacture of new units from serial number:

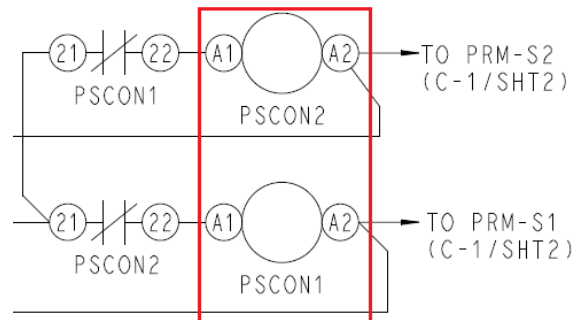
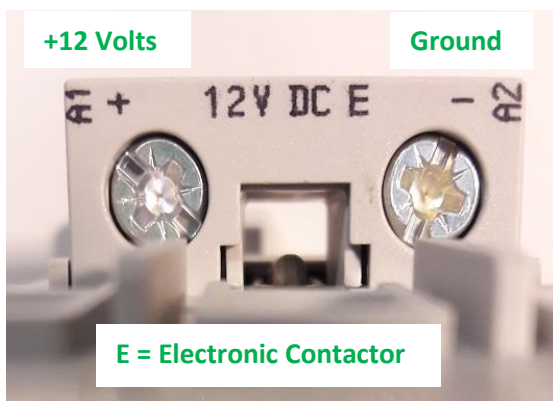
Unit Description	From S/N in Manufacturing	Model Year to
Vector 1350 AR3P	AC84007	AC838029M
Vector 1350 DPH	To be Advised	To be Advised



The new electronic contactors are a direct replacement for the old style but are polarized, and do not need the black auxiliary connection wires which can be discarded. It was possible to wire the positive and negative connections either way on the old magnetic contactor, but this is not possible on the new electronic type. Be careful to connect positive and ground connections as marked on the new contactor the correct way around.

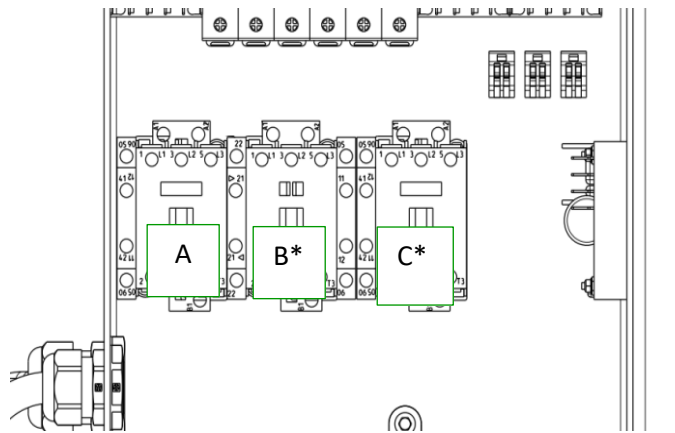
Polarity on C30 Contactor

Polarity on Wiring Diagram



Replacement Parts: Previous Magnetic Contactors can be replaced by Electronic Contactors as P/N below:

Vector 1350



Only AR3P (phase reversal) units

Contactor	Old Contactor P/N	New Electronic Contactor P/N
A (PSCON1)	P/N 10-00433-06 Contactor with Auxiliary on left	P/N 10-00503-32 Contactor with Auxiliary on left
B* (PSCON2)	P/N 10-00433-00 Contactor with Auxiliary on right	P/N 10-00503-31 Contactor with Auxiliary on right
C* (SBMCON)	P/N 10-00433-06 Contactor with Auxiliary on left	P/N 10-00503-30 Contactor without auxiliary

* The PSCON2 contactor is only used on Vector 1350 AR3P (phase reversal) units.
This contactor is not used on Vector 1350 DPH (phase detector units)

* The SBMCON standby motor contactor used to have a left auxiliary as it was necessary on magnetic contactors for a connection between auxiliary and A1 terminal, and from auxiliary to B1 contactor terminal. With electronic contactors these connections are inside the contactor so this contactor SBMCON has been replaced with a contactor that does not have auxiliary.