Balmar XT-250 - Case Grounded

How to connect HARNESS:

Harness Blue to "Field"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to case or negative power

Internal Regulator Excite wire (Brown):
Optional-Can be used for operation of backup Internal Regulator but is not recommended except for emergency situations
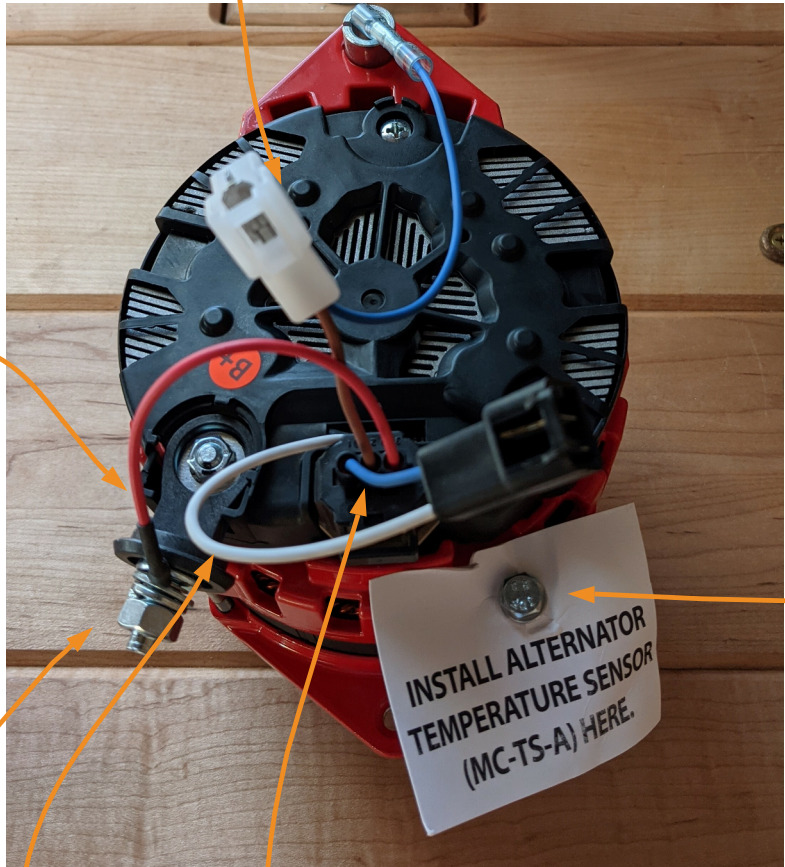
Dash Lamp (Blue)- optional but rarely used

NOTE
OPE recommends that case-grounded alternators use a grounding cable to the batteries, rather than relying on the negative return path through the engine.

Internal Regulator Voltage Sense wire- disconnect unless using for emergency use of internal regulator

INSTALL ALTERNATOR TEMPERATURE SENSOR (MC-TS-A) HERE.

Alternator Temp Sensor

Positive Output Terminal

Stator

Field

Balmar XT-170-
Case Grounded

Internal Regulator Excite wire & lamp (Brown)
Optional- Can be used for operation of backup
Internal Regulator but is not recommended
except for emergency situations

NOTE
OPE recommends that
case-grounded alternators use a
grounding cable to the batteries,
rather than relying on the negative
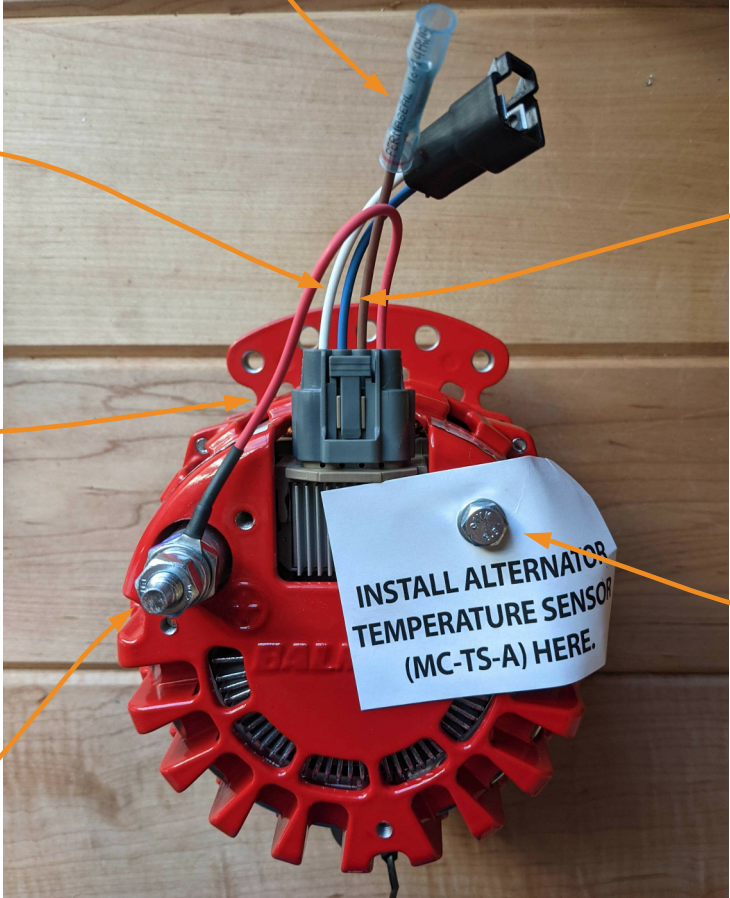return path through the engine.

Stator
(White)

Internal Regulator Voltage Sense wire-
disconnect unless using for emergency
use of internal regulator

How to connect HARNESS:

Harness Blue to "Field"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to case or negative power

Field
(Blue)

INSTALL ALTERNATOR
TEMPERATURE SENSOR
(MC-TS-A) HERE.

Alternator
Temp
Sensor

Positive
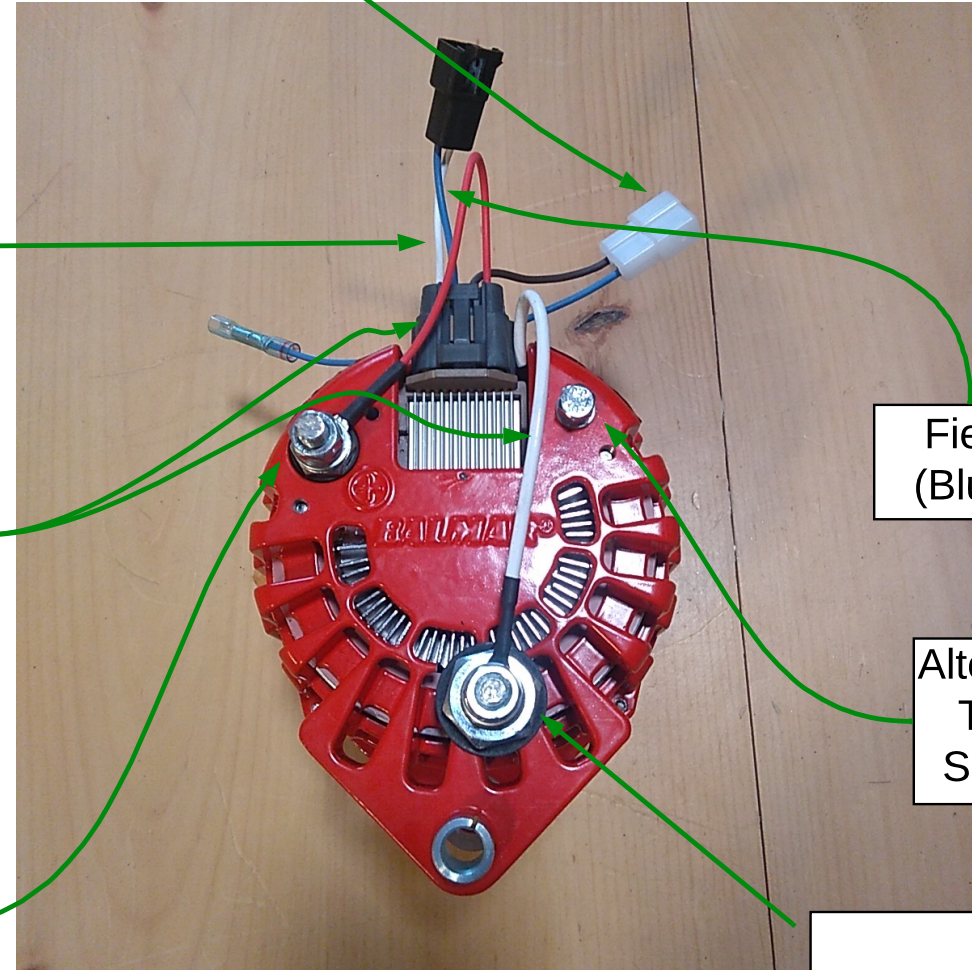Output
Terminal

Balmar XT-170 Isolated Ground

Internal Regulator Excite wire (Brown):
Optional-Can be used for operation of
backup Internal Regulator but is not
recommended except for emergency
situations

Dash Lamp (Blue):
Optional but typically not used

Stator
(White)

Internal Regulator Voltage Sense wires-
disconnect unless using for emergency
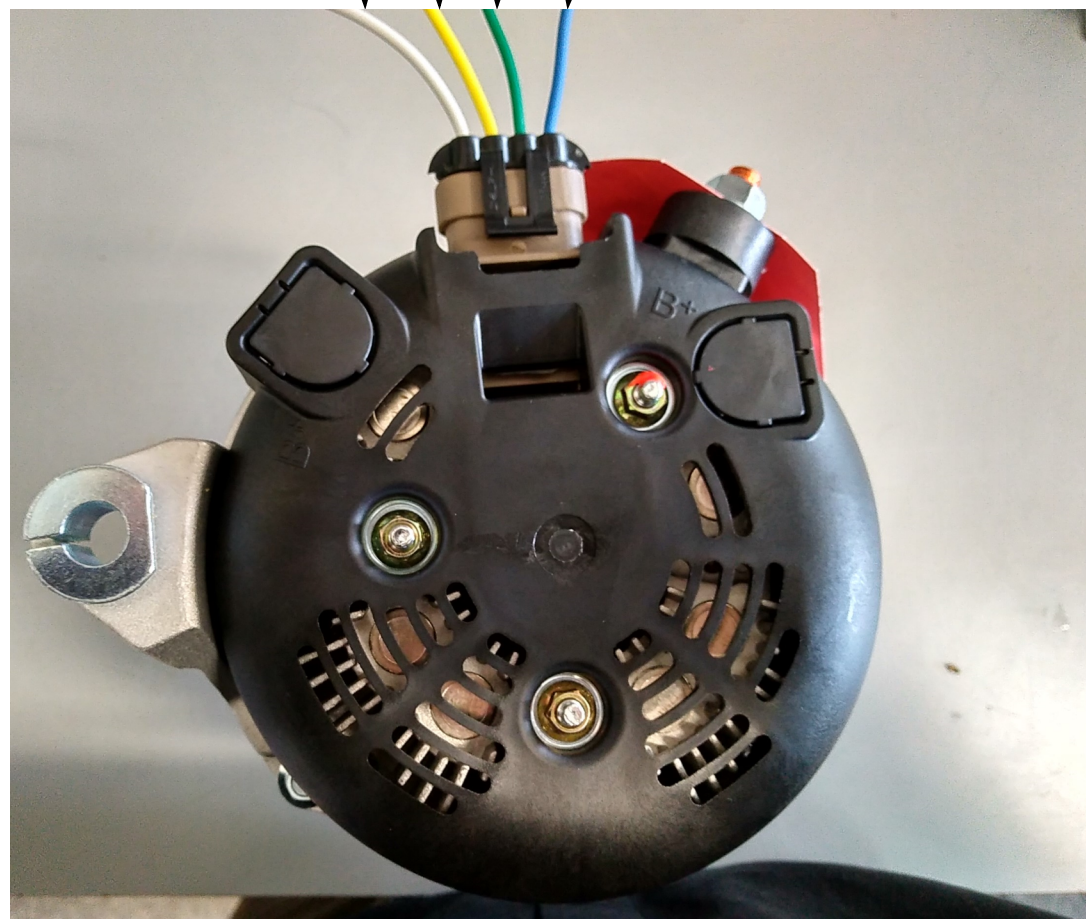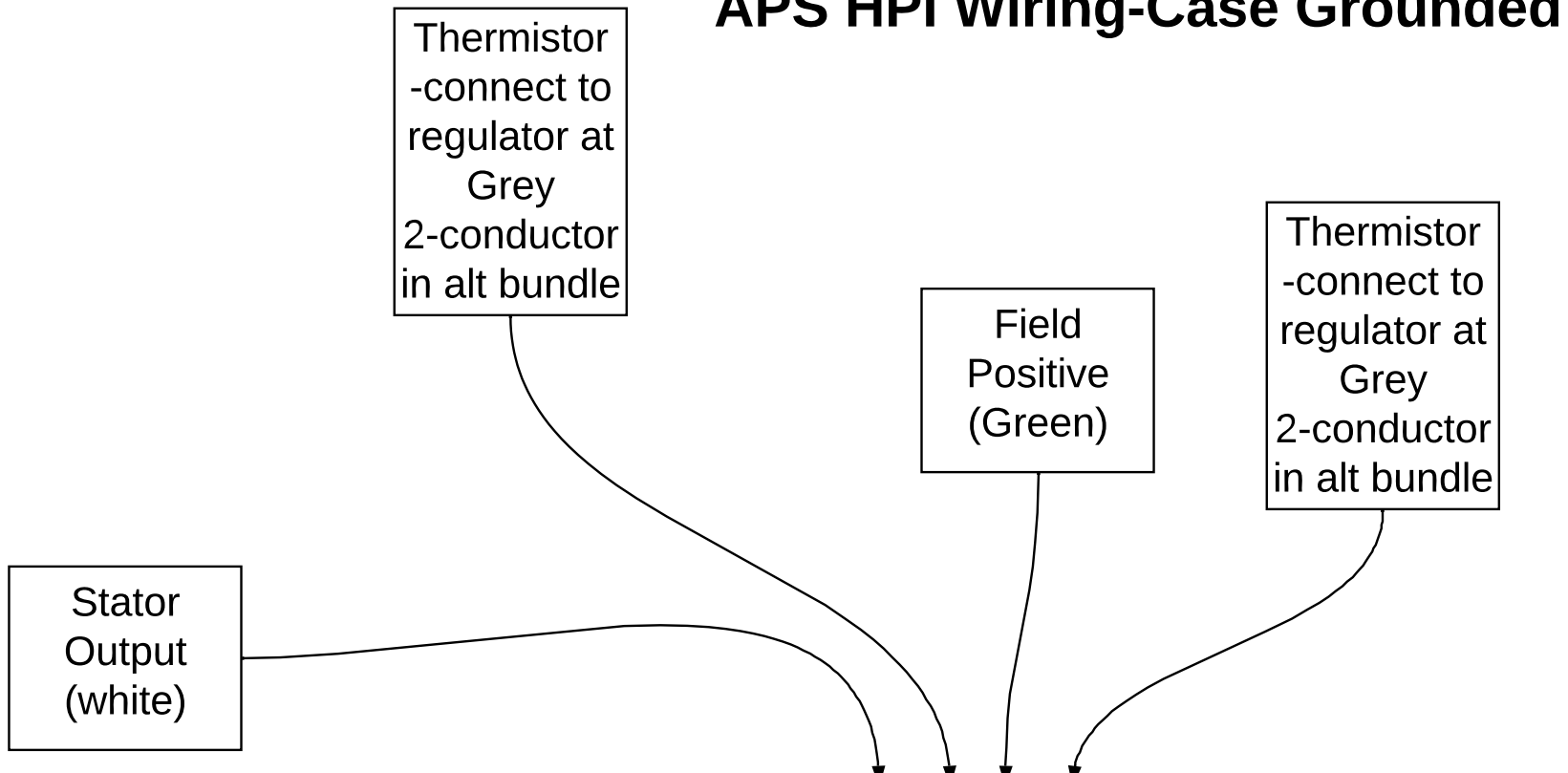use of internal regulator

Field
(Blue)

How to connect HARNESS:

Harness Blue to "Field"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to Ground Terminal

Alternator
Temp
Sensor

Positive
Output
Terminal

Ground

APS HPI Wiring-Case Grounded

Thermistor -connect to regulator at Grey 2-conductor in alt bundle

Field Positive (Green)

Thermistor -connect to regulator at Grey 2-conductor in alt bundle

Stator Output (white)

NOTE
OPE recommends that case-grounded alternators use a grounding cable to the batteries, rather than relying on the negative return path through the engine.

How to connect HARNESS:

Harness Blue to "Field"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to case or negative power

P-Type Alternator

APS HPI Wiring-Isolated Ground

How to connect HARNESS:

Harness Blue to "Field Positive"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to negative post

Field Positive (Green)
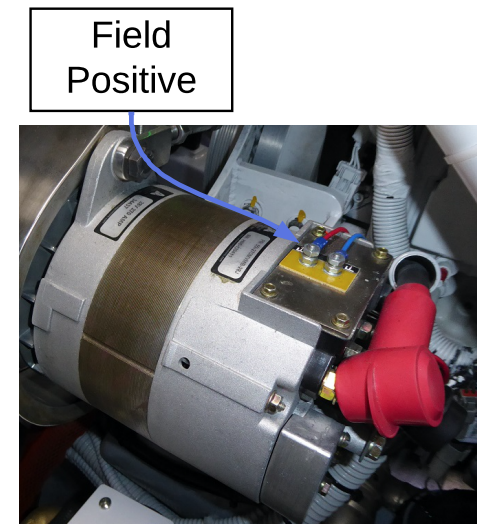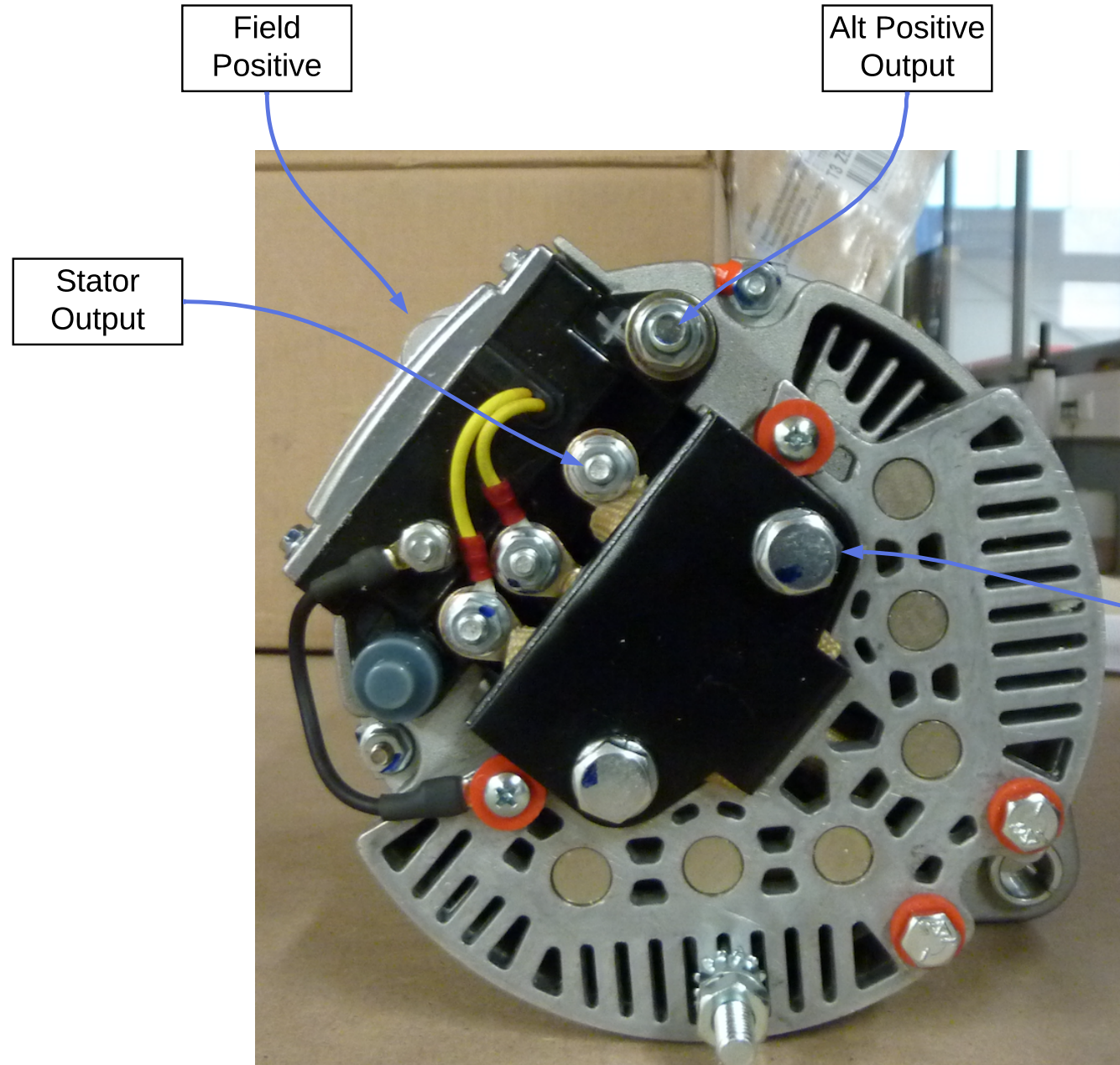
Field Negative -connect to ground

Positive Post

Stator Output

Negative Post

P-Type Alternator
Isolated Ground

APS 55i Wiring-case grounded

Field Positive

Alt Positive Output
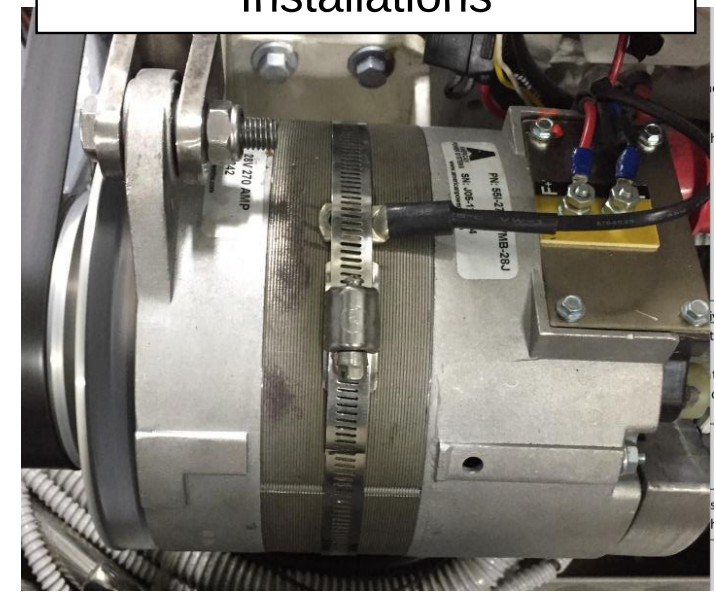
Field Positive

Stator Output

Alt Negative Output

How to connect HARNESS:

Harness Blue to "Field"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to case or negative power

NOTE
OPE recommends that case-grounded alternators use a grounding cable to the batteries, rather than relying on the negative return path through the engine.
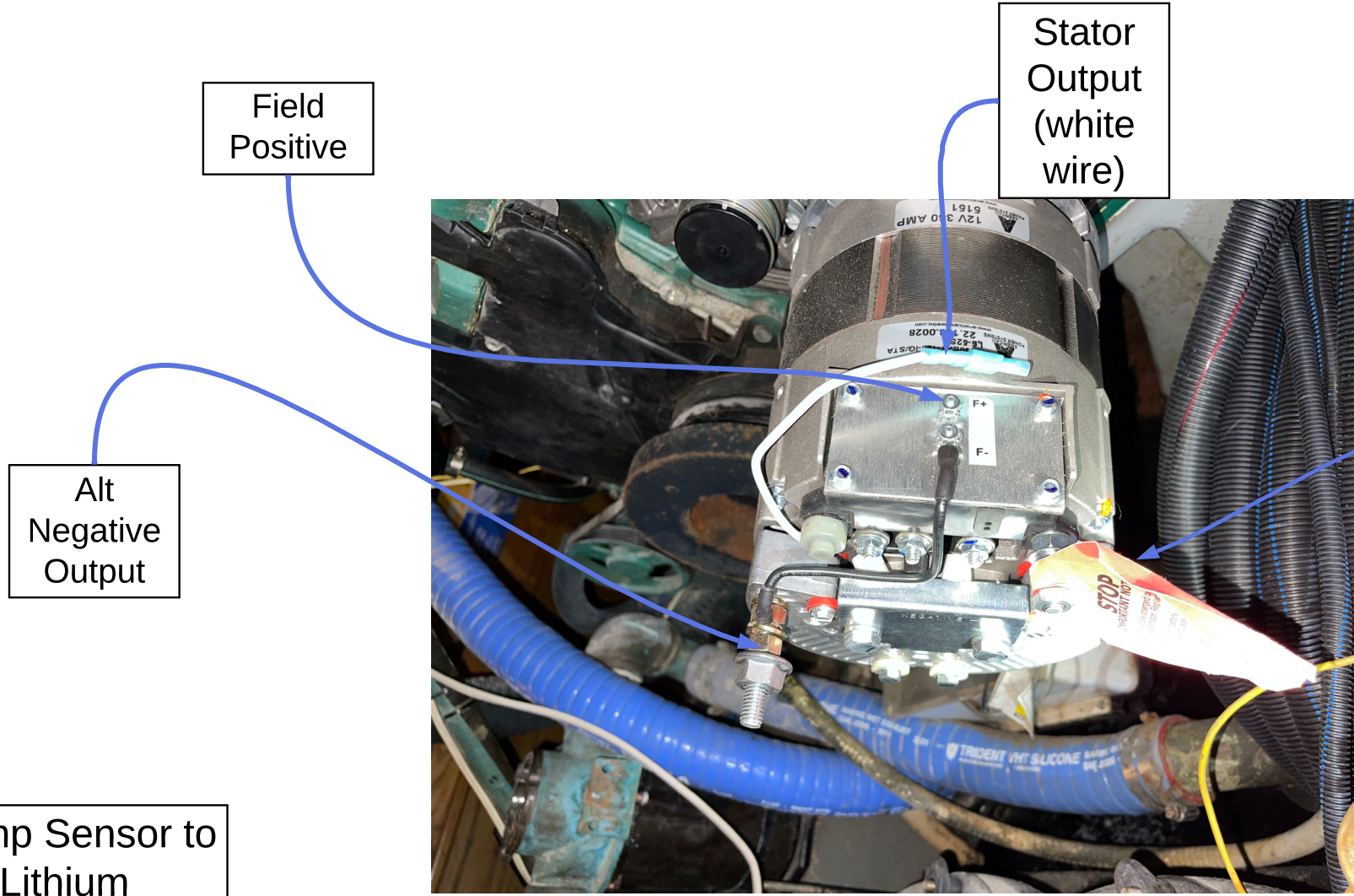
Attach the Alt Temp Sensor to the Stator in Lithium Installations

APS 55i Wiring-isolated ground

Field Positive

Stator Output (white wire)

Alt Negative Output

Alt Positive Output

How to connect HARNESS:

Harness Blue to "Field"
Harness Yellow to "Stator"
Harness Red to "Positive Output"
Harness Black to negative power

Attach the Alt Temp Sensor to the Stator in Lithium Installations