

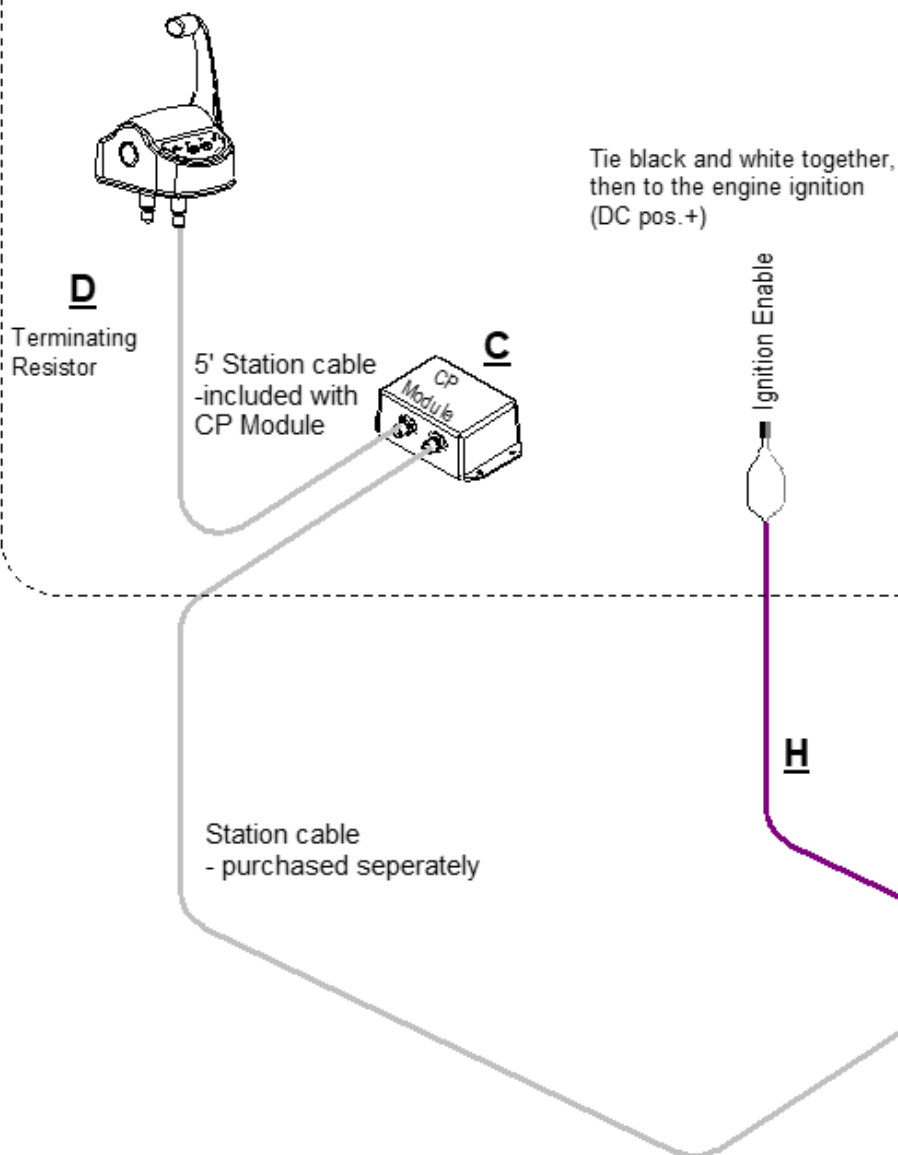
SA2A SYSTEM SCHEMATICS

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Various CH available
- purchased separately

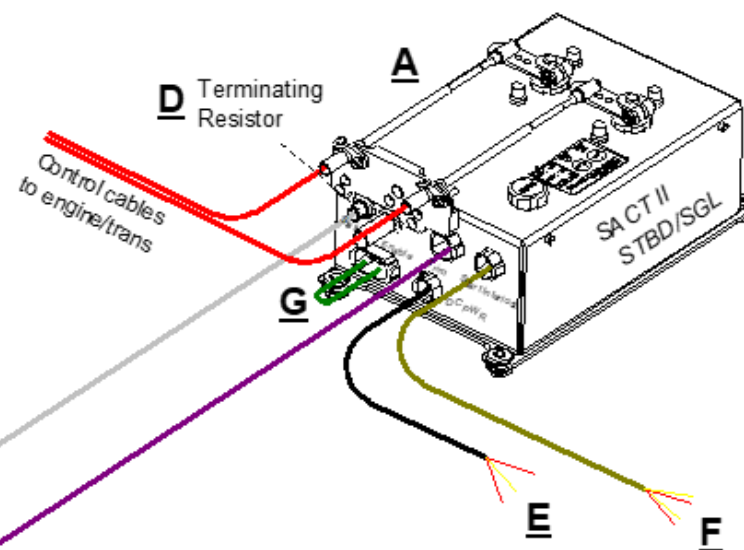
Connections to Harness at Console



Parts Included in SA2A - 1E - INBD12 kit

Item	Qty	Part #	Description
A	(1)	11314-12-TMG-S	Smart Actuator II STBD/SGL (12vDC)
C	(1)	11315-TMGSG	CP Module Throt/Mech Gear Single
D	(2)	11600-TRF	Terminating Resistors
E	(1)	11601-01	Harness - DC Power Input (30' long std.)
F	(1)	11602-03	Harness - SACTII Start Interlock (30' long std.)
G	(1)	11603-02IGN-SGL	Jumper - SACTII IGN Enable SGL
H	(1)	11603-02IGN-40	Harness - SACTII IGN Enable (STBD/SGL)40'

All control heads and station cables available purchased separately



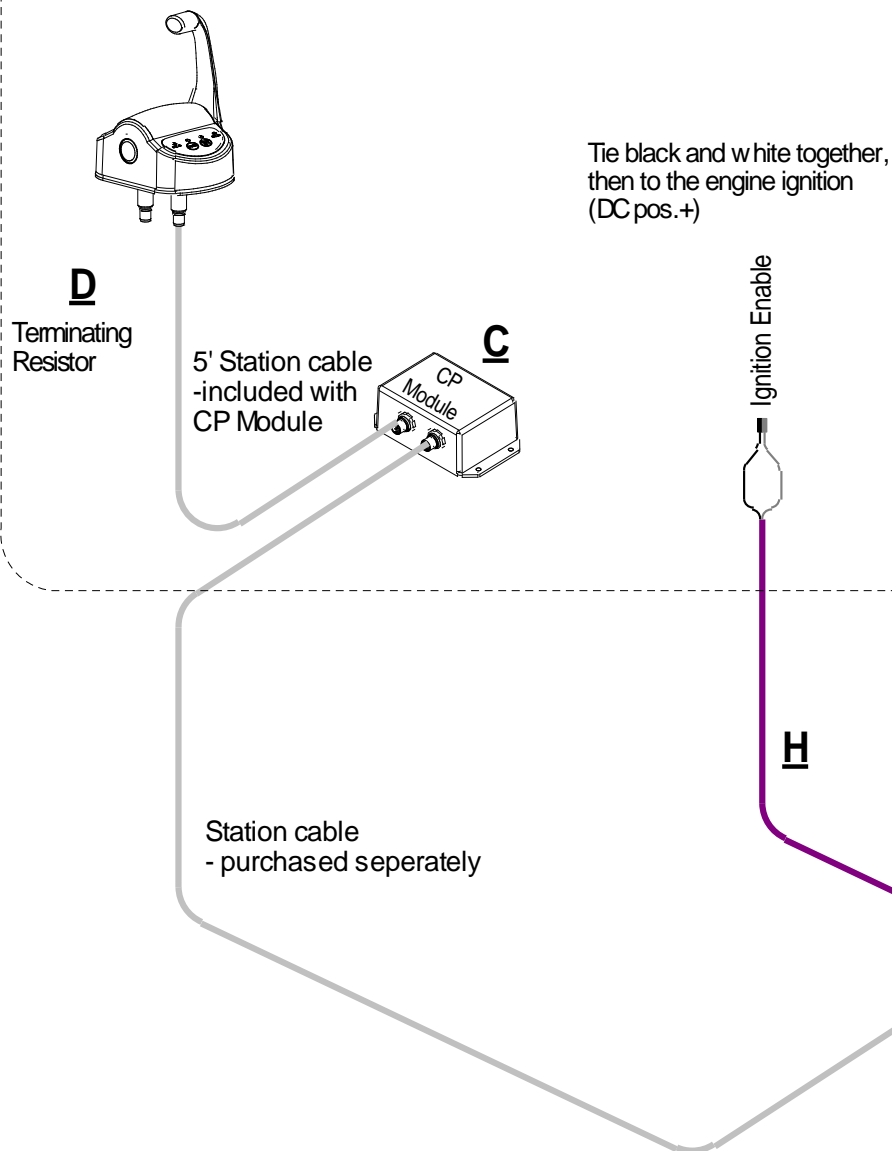
GLENDINNING PRODUCTS
740 Century Circle Conway, SC 29526

SACT II
- Single Engine Inboard 12vDC
- Ignition Power Enable

DATE: 1/18/22 part# SA2A-1E-INBD12 Rev. A

Various CH available
- purchased seperately

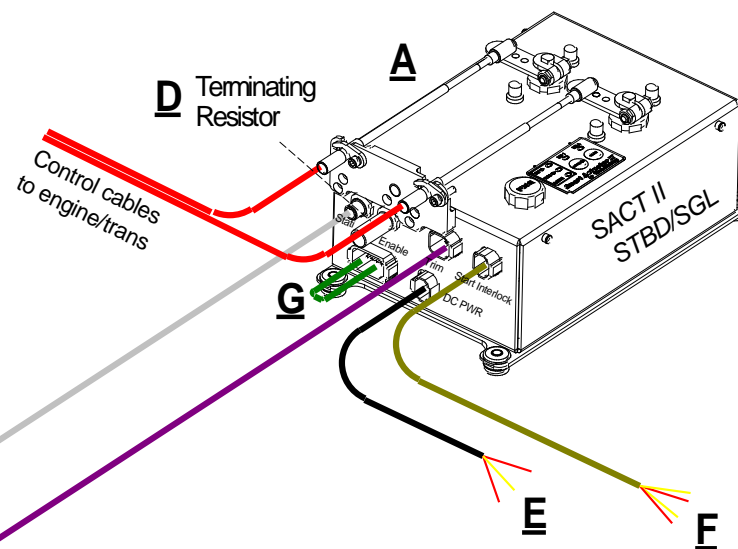
Connections to Harness at Console



Parts Included in SA2A - 1E - INBD24

Item	Qty	Part #	Description
A	(1)	11314-24-TMG-S	Smart Actuator II STBD/SGL (24vDC)
C	(1)	11315-TMGSG	CP Module Throt/Mech Gear Single
D	(2)	11600-TRF	Terminating Resistors
E	(1)	11601-01	Harness - DC Power Input (30' long std.)
F	(1)	11602-03	Harness - SACTII Start Interlock (30' long std.)
G	(1)	11603-02IGN-SGL	Jumper - SACTII IGN Enable SGL
H	(1)	11603-02IGN-40	Harness - SACTII IGN Enable (STBD/SGL)40'

All control heads and station cables available purchased seperately.



GLENDINNING PRODUCTS

740 Century Circle Conway, SC 29526

SACT II
- Single Engine Inboard 24vDC
- Ignition Power Enable

DATE: 1/18/22 part#: SA2A-1E-INBD24 Rev. A

Various CH available
-purchased seperately



Connections to engine

Black to PORT Engine Ignition Power (DC pos.+)
White to STBD Engine Ignition Power (DC pos.+)
Note: This harness is plugged into STBD
or Lead engine.

Tach - STBD Red to DC Positive (+)
Tach - PORT Red to DC Positive (+)
Tach - Both Black wires to DC Negative (-)

E
Terminating
Resistor

5' Station Cable
-included with
CP Module



Station Cable
-purchased seperately

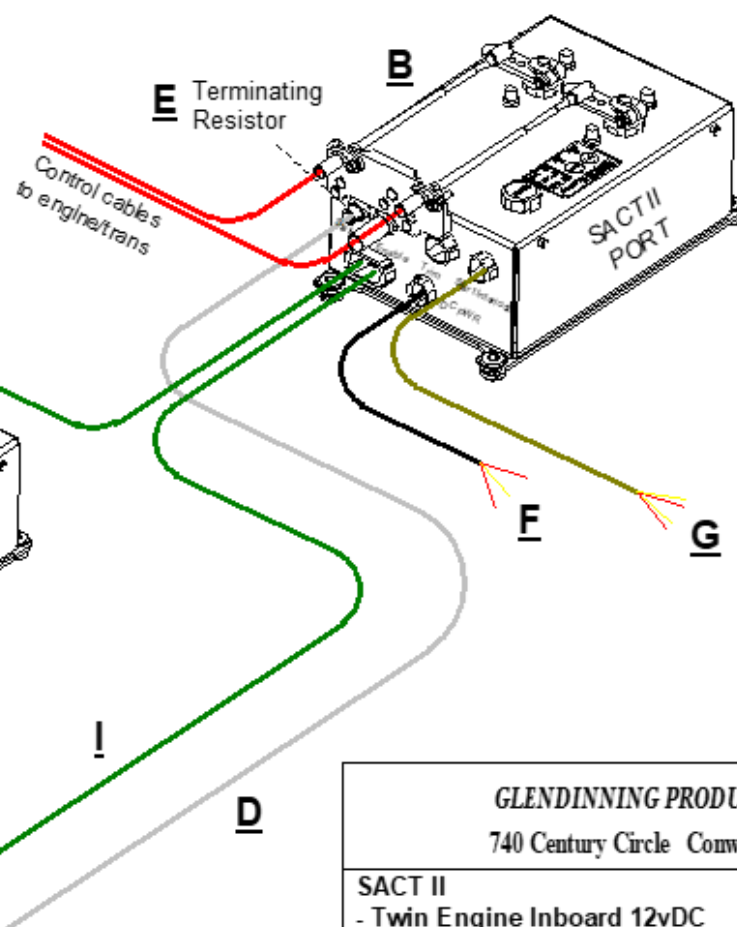
PORT Ignition
STBD Ignition

PORT Tach Input
STBD Tach Input

Parts included in SA2A - 2E - INBD12

Item	Qty	Part #	Description
A	(1)	11314-12-TMG-S	Smart Actuator II STBD/SGL (12vDC)
B	(1)	11314-12-TMG-P	Smart Actuator II PORT (12vDC)
C	(1)	11315-TMG	CP Module - Throt/Mech gear
D	(1)	11600-02-20	Station Cable (20' long)
E	(2)	11600-TRF	Terminating Resistors
F	(2)	11601-01	Harness - DC Power Input (30' long std.)
G	(2)	11602-03	Harness - SACTII Start Interlock (30' long std.)
H	(1)	11603-02IGN-S	Harness - SACT IGN Enable (STBD)
I	(1)	11603-02-P	Harness - SACT Enable/Tach (PORT)
J	(1)	11603-02IGN-40	Harness - SACT IGN Enable (STBD/SGL)40'

All control heads and station cables available purchased seperately.



GLENDINNING PRODUCTS, LLC.
740 Century Circle Conway, SC 29526

SACT II
- Twin Engine Inboard 12vDC
- Ignition Power Enable

DATE: 1/18/22

part#:
SA2A-2E-INBD12

Rev. A

Black to PORT Engine Ignition Power (DC pos.+)
White to STBD Engine Ignition Power (DC pos.+)
Note: This harness is plugged into STBD
or Lead engine.


Tach - STBD Red to DC Positive (+)
Tach - PORT Red to DC Positive (+)
Tach - Both Black wires to DC Negative (-)

Item	Qty	Part #	Description
A	(1)	11314-24-TMG-S	Smart Actuator II STBD/SGL (24vDC)
B	(1)	11314-24-TMG-P	Smart Actuator II PORT (24vDC)
C	(1)	11315-TMG	CP Module - Throt/Mech gear
D	(1)	11600-02-20	Station Cable (20' long)
E	(2)	11600-TRF	Terminating Resistors
F	(2)	11601-01	Harness - DC Power Input (30' long std.)
G	(2)	11602-03	Harness - SACTII Start Interlock (30' long std.)
H	(1)	11603-02IGN-S	Harness - SACT IGN Enable (STBD)
I	(1)	11603-02-P	Harness - SACT Enable/Tach (PORT)
J	(1)	11603-02IGN-40	Harness - SACT IGN Enable (STBD/SGL)40'

E Terminating Resistor

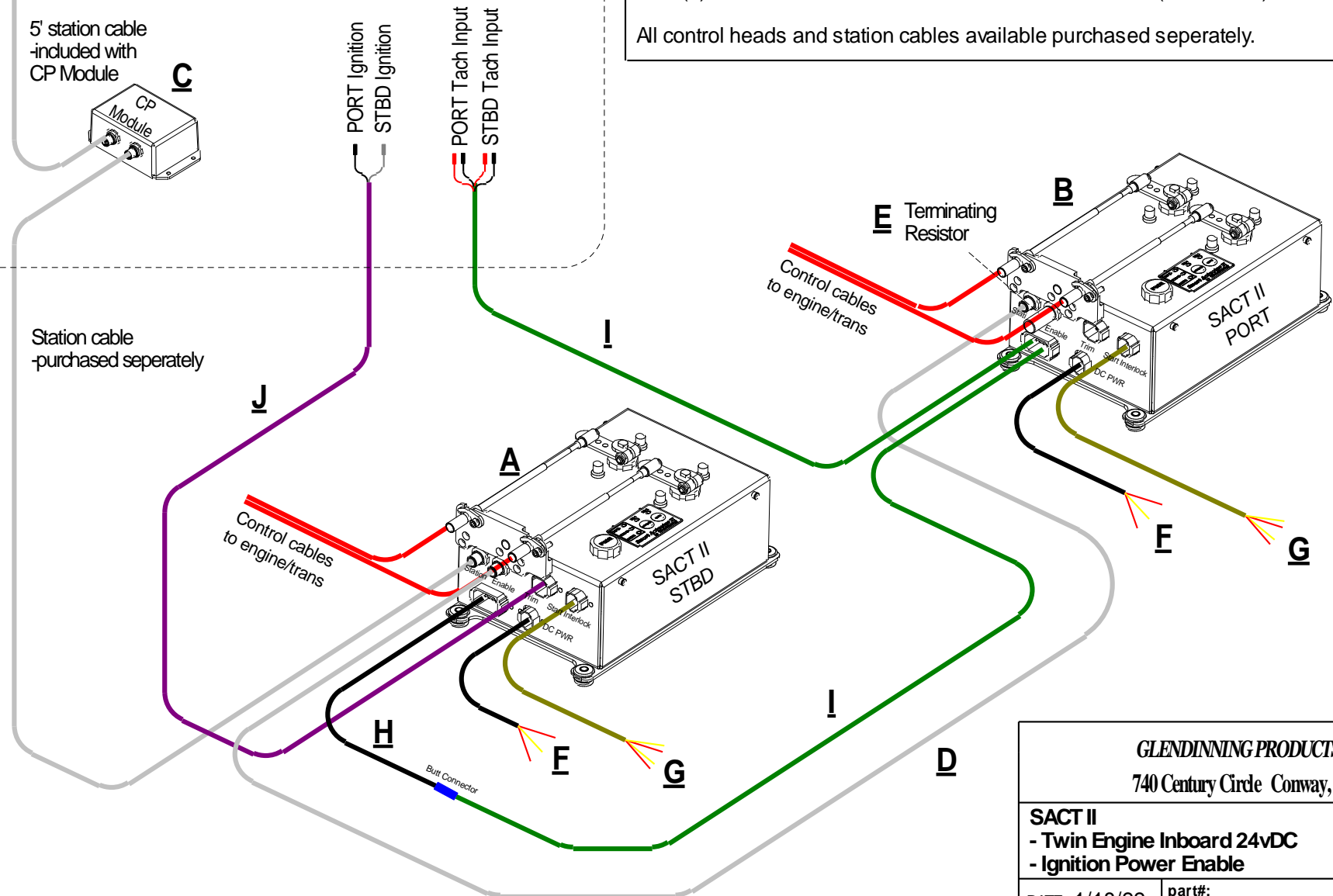
5' station cable
-included with
CP Module

C



5' station cable
-included with
CP Module

Station cable
-purchased seperately



SACT II - Twin Engine Inboard 24vDC - Ignition Power Enable
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DATE: 1/18/22	part#: SA2A-2E-INBD24	Rev. A
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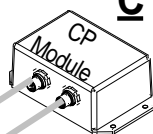
Various CH available
-purchase separately

Connections to Harness at console

Tie black and white together,
then to the engine ignition
(DC pos.+)

E
Terminating
Resistor

5' station cable
-included with
CP Module



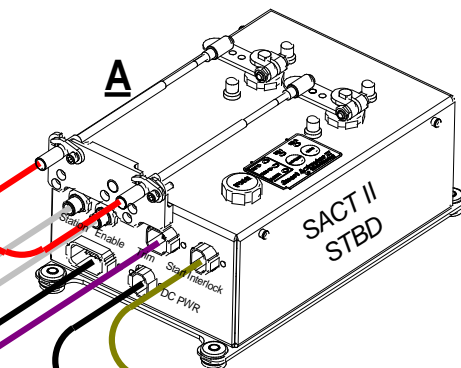
Ignition Enable

H

Station Cable
-purchase separately

Control cables
to engine/trans

A



I

Butt Connector

F

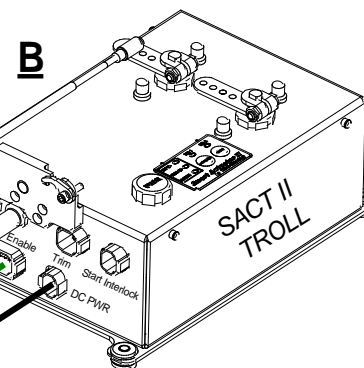
G

J

D

E Terminating
Resistor

Control cables
to troll valve



F

Parts Included in SA2A - 1E - INTL12

Item	Qty	Part #	Description
A	(1)	11314-12-TMG-S	Smart Actuator II STBD/SGL (12VDC)
B	(1)	11314-12-TROLL	Smart Actuator II TROLL (12VDC)
C	(1)	11315-TMGTRLSG	CP Module - Throt/Mech gear Trill Single
D	(1)	11600-02-20	Station Cable (20' long)
E	(2)	11600-TRF	Terminating Resistors
F	(2)	11601-01	Harness - DC Power Input (30' long std.)
G	(1)	11602-03	Harness - SACTII Start Interlock (30' long std.)
H	(1)	11603-02IGN-xx	Harness - SACTII IGN Enable (NO Trim)
I	(1)	11603-02IGN-S	Harness - SACTII IGN Enable STBD
J	(1)	11603-02-TROLL	Harness - SACT Enable Troll

All control heads and station cables available purchased separately.



GLENDINNING MARINE
740 Century Circle Conway, SC 29526

SACT II
- Single Engine (Inboard) with Troll
- Ignition Power Enable

DATE: 1/18/22

part#: SA2A-1E-INTL12

Rev.A

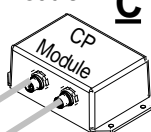
Various CH available
-purchase separately

Connections to Harness at console

Tie black and white together,
then to the engine ignition
(DC pos.+)

E
Terminating
Resistor

5' station cable
-included with
CP Module



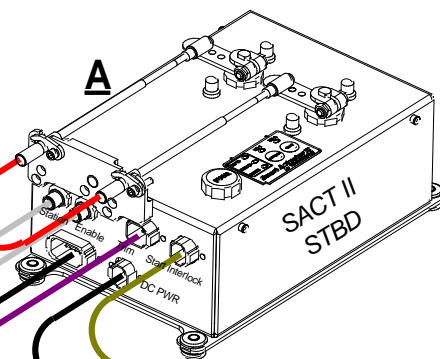
Station Cable
-purchase separately

Ignition Enable

H

Control cables
to engine/trans

A



I

Butt Connector

E

G

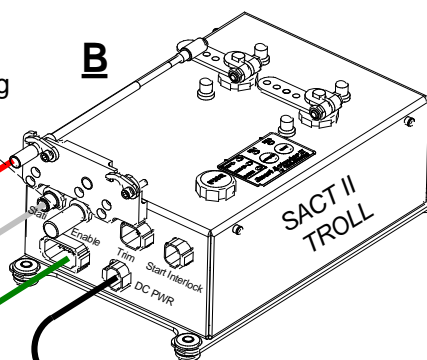
J

D

E Terminating
Resistor

Control cables
to troll valve

B



F

Parts Included in SA2A - 1E - INTL24

Item	Qty	Part #	Description
A	(1)	11314-24-TMG-S	Smart Actuator II STBD/SGL (24vDC)
B	(1)	11314-24-TROLL	Smart Actuator II TROLL (24vDC)
C	(1)	11315-TMGTRL SG	CP Module - Throt/Mech gear Trill Single
D	(1)	11600-02-20	Station Cable (20' long)
E	(2)	11600-TRF	Terminating Resistors
F	(2)	11601-01	Harness - DC Power Input (30' long std.)
G	(1)	11602-03	Harness - SACTII Start Interlock (30' long std.)
H	(1)	11603-02IGN-xx	Harness - SACTII IGN Enable (NO Trim)
I	(1)	11603-02IGN-S	Harness - SACTII IGN Enable STBD
J	(1)	11603-02-TROLL	Harness - SACT Enable Troll

All control heads and station cables available purchased separately.



GLENDINNING MARINE

740 Century Circle Conway, SC 29526

SACT II
- Single Engine (Inboard) with Troll
- Ignition Power Enable

DATE: 1/18/22

part#: SA2A-1E-INTL24

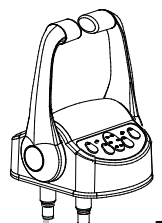
Rev.A

Various CH available
-purchased separately

Connections to Harness at console

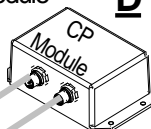
Black to PORT Engine Ignition Power (DC pos.+)
White to STBD Engine Ignition Power (DC pos.+)
Note: This harness is plugged into lead engine.

Tach - STBD Red to DC Positive (+)
Tach - PORT Red to DC Positive (+)
Tach - Both Black wires to DC Negative (-)

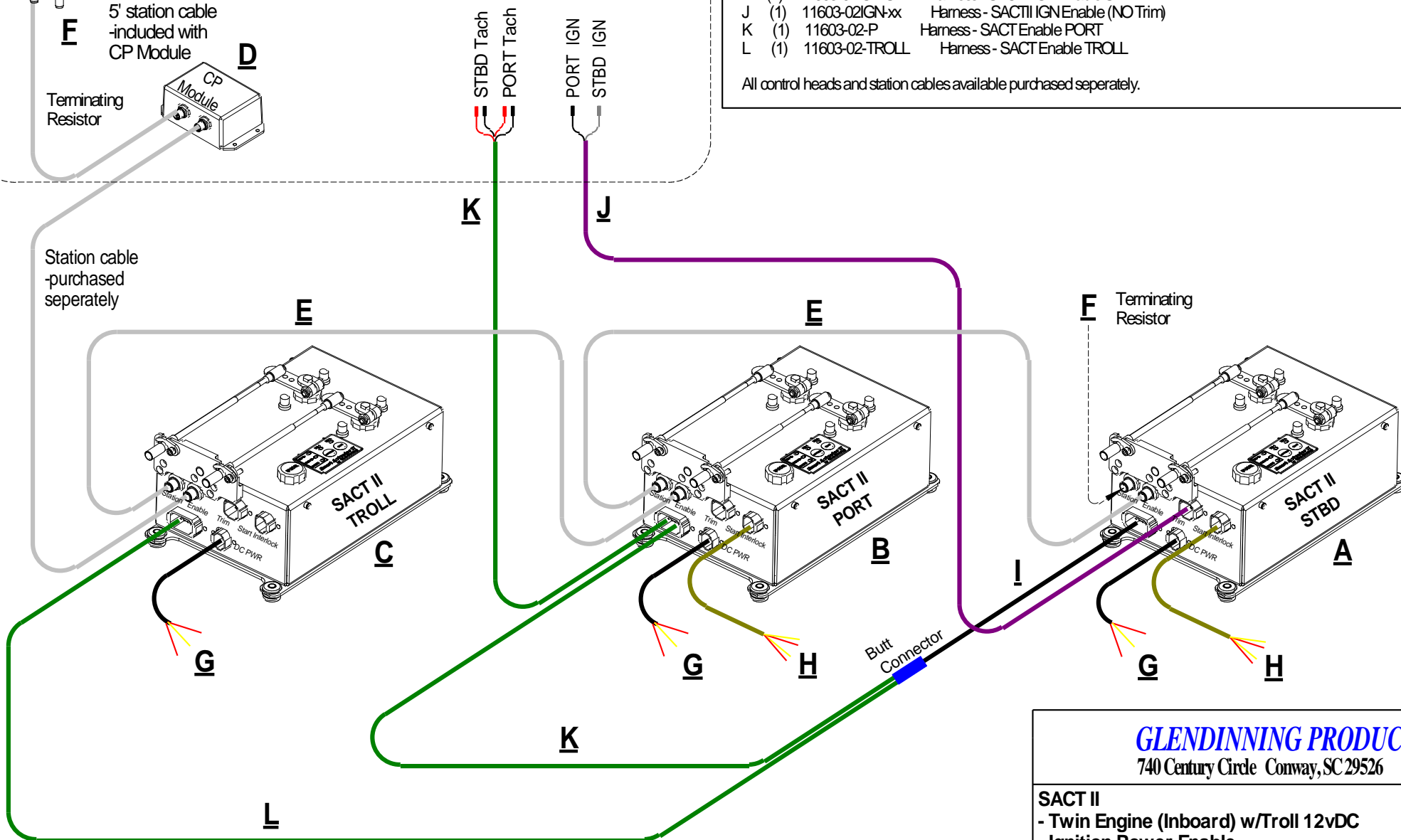


5' station cable
-included with
CP Module

Terminating
Resistor



Station cable
-purchased
separately



Parts Included in SA2A - 2E - INTL12

Item	Qty	Part #	Description
A	(1)	11314-12-TMG-S	Smart Actuator II STBD/SGL (12vDC)
B	(1)	11314-12-TMG-P	Smart Actuator II PORT (12vDC)
C	(1)	11314-12-TROLL	Smart Actuator II TROLL (12vDC)
D	(1)	11315-TMGTRL	CP Module - Throt/Mech Gear Troll
E	(2)	11600-02-20	Station Cables (20' long)
F	(2)	11600-TRF	Terminating Resistors
G	(3)	11601-01	Harness - DC Power Input
H	(2)	11602-03	Harness - SACTII Start Interlock
I	(1)	11603-02IGN-S	Harness - SACTII IGN Enable STBD
J	(1)	11603-02IGN-xx	Harness - SACTII IGN Enable (NO Trim)
K	(1)	11603-02-P	Harness - SACT Enable PORT
L	(1)	11603-02-TROLL	Harness - SACT Enable TROLL

All control heads and station cables available purchased separately.

GLENDINNING PRODUCTS
740 Century Circle Conway, SC 29526

SACT II
- Twin Engine (Inboard) w/Troll 12vDC
- Ignition Power Enable

DATE: 1/18/22

part#:
SA2A-2E-INTL12

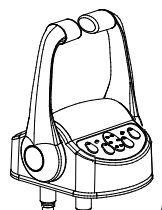
Rev.

Various CH available
-purchased seperately

Connections to Harness at console

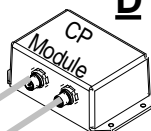
Black to PORT Engine Ignition Power (DC pos.+)
White to STBD Engine Ignition Power (DC pos.+)
Note: This harness is plugged into lead engine.

Tach - STBD Red to DC Positive (+)
Tach - PORT Red to DC Positive (+)
Tach - Both Black wires to DC Negative (-)

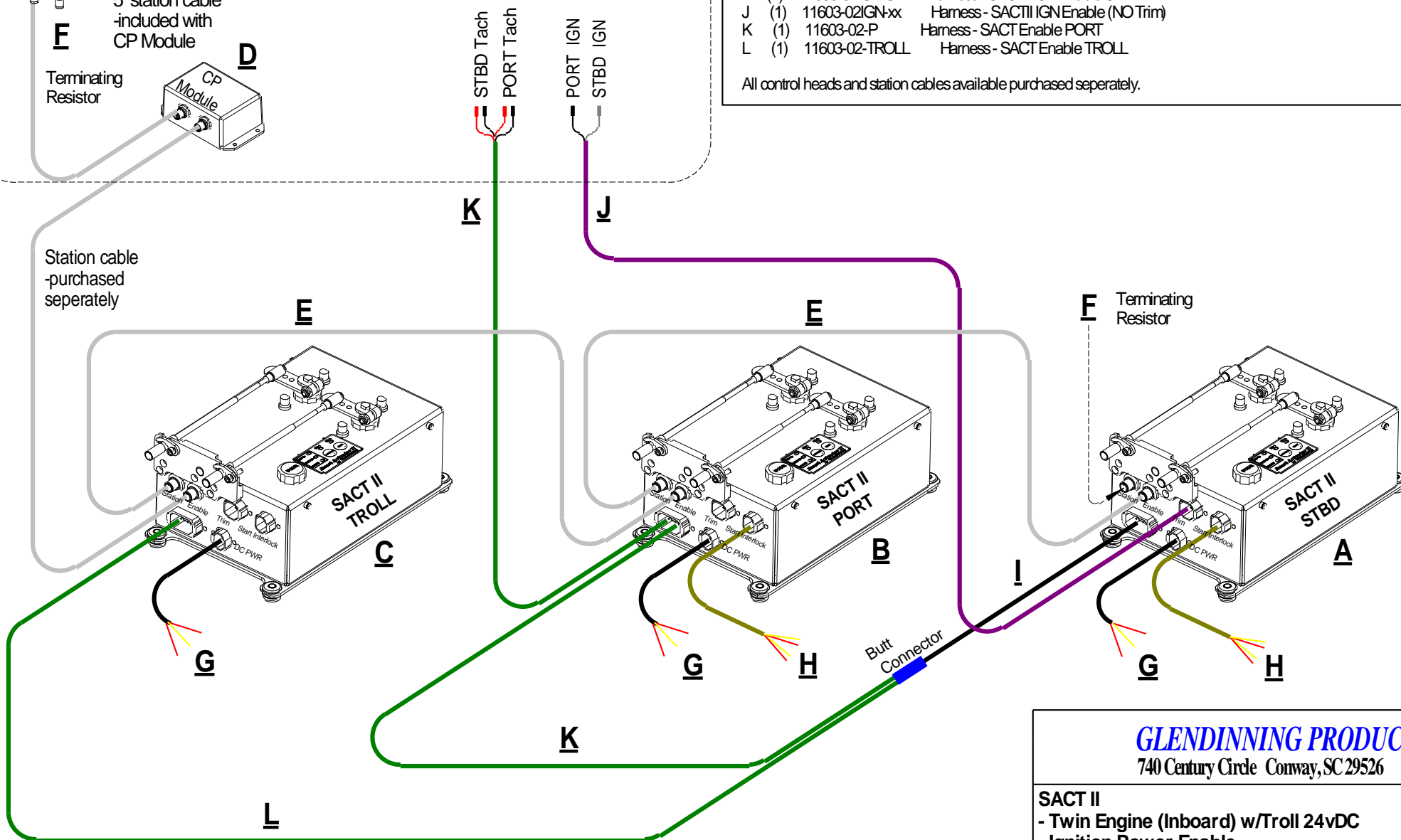


E 5' station cable
-included with
CP Module

Terminating
Resistor



Station cable
-purchased
seperately



Parts Included in SA2A - 2E - INTL24

Item	Qty	Part#	Description
A	(1)	11314-24-TMG-S	Smart Actuator II STBD/SGL (24vDC)
B	(1)	11314-24-TMG-P	Smart Actuator II PORT (24vDC)
C	(1)	11314-24-TROLL	Smart Actuator II TROLL (24vDC)
D	(1)	11315-TMGTRL	CP Module - Throt/Mech Gear Troll
E	(2)	11600-02-20	Station Cables (20' long)
F	(2)	11600-TRF	Terminating Resistors
G	(3)	11601-01	Harness - DC Power Input
H	(2)	11602-03	Harness - SACTII Start Interlock
I	(1)	11603-02IGN-S	Harness - SACTII IGN Enable STBD
J	(1)	11603-02IGN-xx	Harness - SACTII IGN Enable (NO Trim)
K	(1)	11603-02-P	Harness - SACT Enable PORT
L	(1)	11603-02-TROLL	Harness - SACT Enable TROLL

All control heads and station cables available purchased seperately.

E Terminating
Resistor

GLENDINNING PRODUCTS
740 Century Circle Conway, SC 29526

SACT II
- Twin Engine (Inboard) w/Troll 24vDC
- Ignition Power Enable

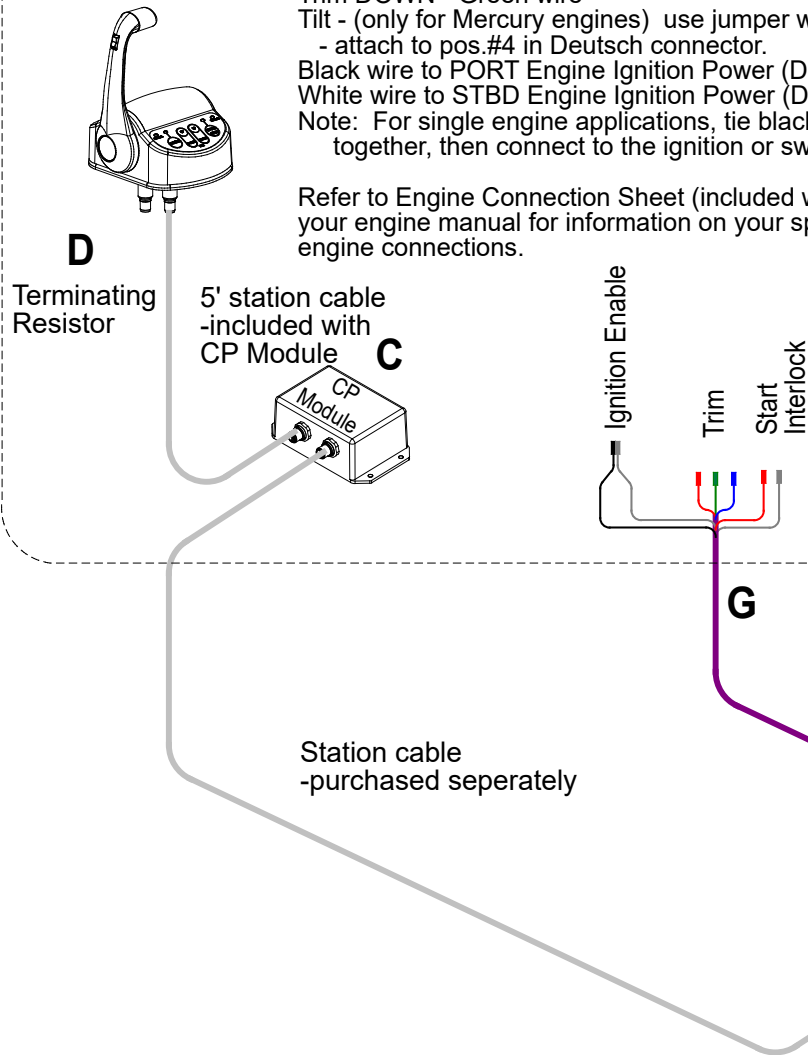
DATE: 1/18/22 part#: SA2A-2E-INTL24 Rev.

Connections to engine harness-normally at console

Various CH available
-purchased seperately

Start Interlock - use White w/Black wire and Orange wire
Trim Common - Red wire
Trim UP - Blue wire
Trim DOWN - Green wire
Tilt - (only for Mercury engines) use jumper wire included
- attach to pos.#4 in Deutsch connector.
Black wire to PORT Engine Ignition Power (DC pos.+)
White wire to STBD Engine Ignition Power (DC pos.+)
Note: For single engine applications, tie black and white
together, then connect to the ignition or switched power.

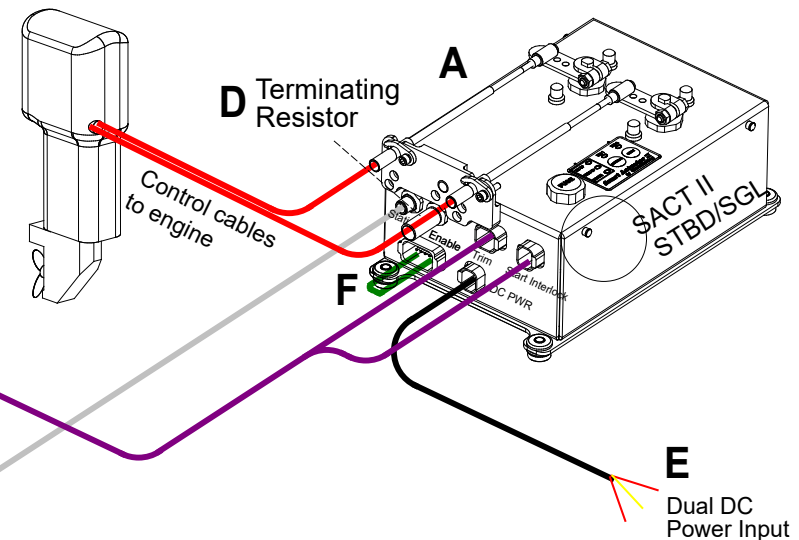
Refer to Engine Connection Sheet (included with kit) or
your engine manual for information on your specific
engine connections.



Parts Included in SA2A - 1E - TR12

Item	Qty	Part #	Description
A	(1)	11314-12-TMG-S	Smart Actuator II STBD/SGL (12vDC)
C	(1)	11315-TMGSG	CP Module Throt/Mech gear Single
D	(2)	11600-TRF	Terminating Resistors
E	(1)	11601-01	Harness - DC Power Input (30' long std.)
F	(1)	11603-04IGN-SGL	Jumper - SACT II Ignition Enable SGL
G	(1)	11611-10IGN-20	Harness - Trim/IGN/S.I. Universal PORT/SGL 20'

All control heads and station cables available purchased seperately.



GLENDINNING PRODUCTS

740 Century Circle Conway, SC 29526

SACT II with Trim Option
- Single Outboard/SD engine 12vDC
- Ignition Power Enable

DATE:1/18/22 part#: SA2A-1E-TR12 Rev. A

Connections to engine harness-normally at console

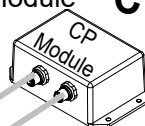
Various CH available
-purchased seperately

Start Interlock - use White w/Black wire and Orange wire
Trim Common - Red wire
Trim UP - Blue wire
Trim DOWN - Green wire
Tilt - (only for Mercury engines) use jumper wire included
- attach to pos.#4 in Deutsch connector.
Black wire to PORT Engine Ignition Power (DC pos.+)
White wire to STBD Engine Ignition Power (DC pos.+)
Note: For single engine applications, tie black and white
together, then connect to the ignition or switched power.

Refer to Engine Connection Sheet (included with kit) or your
engine manual for information on your specific
engine connections.

D
Terminating
Resistor

5' station cable
-included with
CP Module **C**



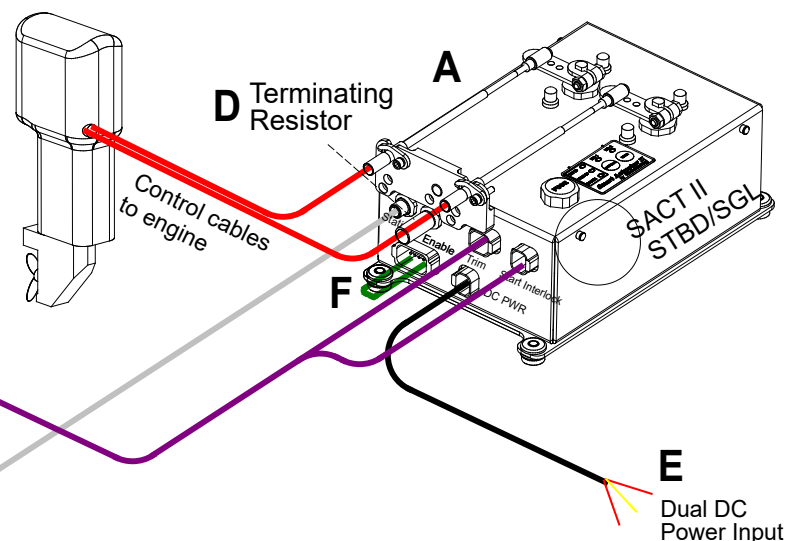
G

Station cable
-purchased seperately

Parts Included in SA2A - 1E - TR24

Item	Qty	Part #	Description
A	(1)	11314-24-TMG-S	Smart Actuator II STBD/SGL (24vDC)
C	(1)	11315-TMGSG	CP Module Throt/Mech gear Single
D	(2)	11600-TRF	Terminating Resistors
E	(1)	11601-01	Harness - DC Power Input (30' long std.)
F	(1)	11603-04IGN-SGL	Jumper - SACT II Ignition Enable SGL
G	(1)	11611-10IGN-20	Harness - Trim/IGN/S.I. Universal PORT/SGL 20'

All control heads and station cables available purchased seperately.



GLENDINNING PRODUCTS

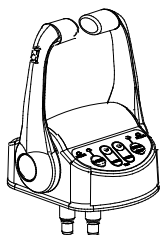
740 Century Circle Conway, SC 29526

SACT II with Trim Option
- Single Outboard/SD engine 24vDC
- Ignition Power Enable

DATE:1/18/22 part#: SA2A-1E-TR24 Rev. A

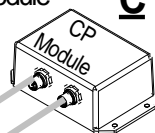
Connections to engine harness - normally at console

Various CH available
-purchase separately



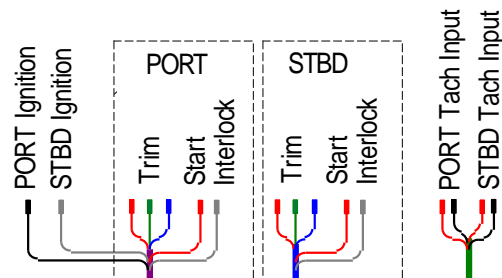
E
Terminating
Resistor

5' station cable
-included with
CP Module



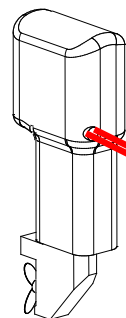
Start Interlock - use White w/Black wire and Orange wire
Trim Common - Red wire
Trim UP - Blue wire
Trim DOWN - Green wire
Tilt - (only for Mercury engines) use jumper wire included
- attach to pos.#4 in Deutsch connector.
Black wire to PORT Engine Ignition Power (DC pos+)
White wire to STBD Engine Ignition Power (DC pos+)
Tach - STBD Red to engine tach wire
Tach - PORT Red to engine tach wire
Tach - Both Black wires to DC Negative (-)

Refer to Engine Connection Sheet (included with kit) or your
engine manual for information on your specific
engine connections.



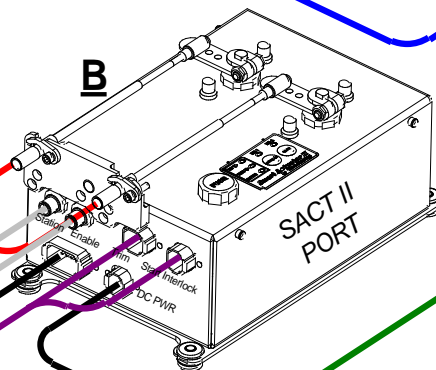
Station cable
-purchased
seperately

L



Control cables
to engine

B



H

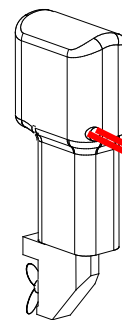
Butt Connector

E

Parts included in SA2A - 2E - TR12

Item	Qty	Part #	Description
A	(1)	11314-12-TMG-S	Smart Actuator II STBD/SGL (12vDC)
B	(1)	11314-12-TMG-P	Smart Actuator II PORT (12vDC)
C	(1)	11315-TMGTRM	CP Module Throt/Mech gear Trim
D	(1)	11600-02-20	Station Cable (20' long)
E	(2)	11600-TRF	Terminating Resistors
F	(2)	11601-01	Harness - DC Power Input (30' long std.)
G	(1)	11603-04-S	Harness - SACT II Enable/Tach STBD
H	(1)	11603-04-IGN-P	Harness - SACT II IGN Enable PORT
L	(1)	11611-10IGN-20	Harness - Trim/IGN/S.I. Universal (Port/Sgl)20'
M	(1)	11611-10-20	Harness - Trim / Start Int. Universal (STBD/CTR)20'

All control heads and station cables available purchased seperately.

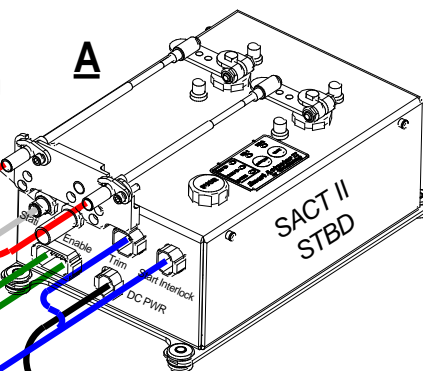


Control cables
to engine

E

Terminating
Resistor

A



F

Dual DC
Power Input

G

D

GLENDING PRODUCTS

740 Century Circle Conway, SC 29526

SACT II with Trim Option
- Twin Outboard/SD engines 12vDC
- Ignition Power Enable

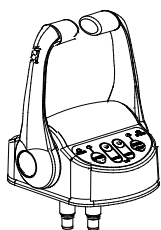
DATE: 1/18/22

part# SA2A-2E-TR12

Rev. A

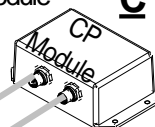
Connections to engine harness - normally at console

Various CH available
-purchase seperately



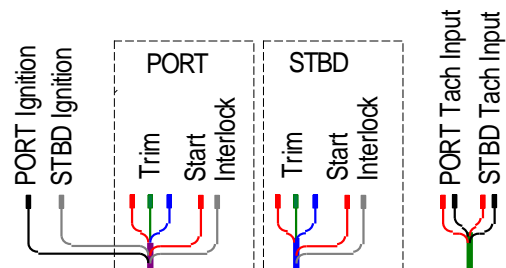
E
Terminating
Resistor

5' station cable
-included with
CP Module

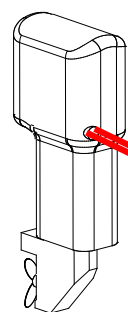


Start Interlock - use White w/Black wire and Orange wire
Trim Common - Red wire
Trim UP - Blue wire
Trim DOWN - Green wire
Tilt - (only for Mercury engines) use jumper wire included
- attach to pos.#4 in Deutsch connector.
Black wire to PORT Engine Ignition Power (DC pos.+)
White wire to STBD Engine Ignition Power (DC pos.+)
Tach - STBD Red to engine tach wire
Tach - PORT Red to engine tach wire
Tach - Both Black wires to DC Negative (-)

Refer to Engine Connection Sheet (included with kit) or your engine manual for information on your specific engine connections.

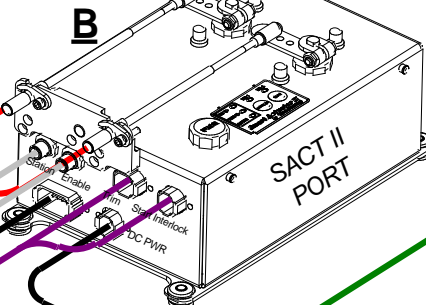


Station cable
-purchased
seperately



Control cables
to engine

B



H

Butt Connector

E

Parts included in SA2A - 2E - TR24

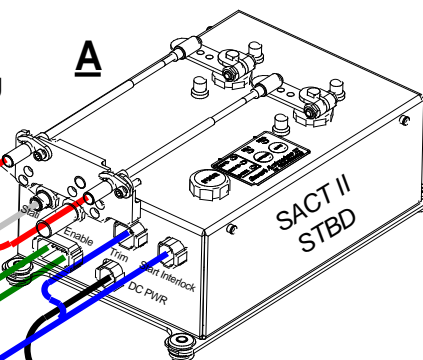
Item	Qty	Part #	Description
A	(1)	11314-24-TMG-S	Smart Actuator II STBD/SGL (24vDC)
B	(1)	11314-24-TMG-P	Smart Actuator II PORT (24vDC)
C	(1)	11315-TMGTRM	CP Module Throt/Mech gear Trim
D	(1)	11600-02-20	Station Cable (20' long)
E	(2)	11600-TRF	Terminating Resistors
F	(2)	11601-01	Harness - DC Power Input (30' long std.)
G	(1)	11603-04-S	Harness - SACT II Enable/Tach STBD
H	(1)	11603-04IGN-P	Harness - SACT II IGN Enable PORT
L	(1)	11611-10IGN-20	Harness - Trim/IGN/S.I. Universal (Port/Sgl)20'
M	(1)	11611-10-20	Harness - Trim / Start Int. Universal (STBD/CTR)20'

All control heads and station cables available purchased seperately.

E Terminating
Resistor

Control cables
to engine

A



F
Dual DC
Power Input

G

D

GLENDINNING PRODUCTS
740 Century Circle Conway, SC 29526

SACT II with Trim Option
- Twin Outboard/SD engines 24vDC
- Ignition Power Enable

DATE: 1/18/22 part# SA2A-2E-TR24 Rev. A