

```
" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector3 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
```

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, 0
" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector1 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
2925 0
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
```

```
_ 0
4 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
CargoCase B-module
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Case2HubConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
```

```
Arm B-system
_ 0
2926 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
1 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
2925 0
_ 0
1 0
" 0
, 0
```

```
" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
2 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
RotatedArm B-component
_ 0
941 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
```

```
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
3 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
```

```
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
```

```
Motor B-system
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0
```



```
" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
4 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
```

```
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
```

```
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
```

```
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
7 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
7 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
```

```
8 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
8 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
from 0
```

```
_ 0
conn 0
" 0
: 0
" 0
Orient B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Orient B-module
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
ORIENTCONN 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Bend B-module
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
1 0
" 0
, 0

" 0
```

```
to 0
_ 0
ci 0
" 0
: 0
" 0
RotatedArm B-component
_ 0
941 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Bend B-module
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
RotatedArm B-component
_ 0
```

942 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
:
" 0
EndConnection B-component
" 0
}
]
}

AEROPLANE B-asset
GENERAL 0
DESCRIPTION 0
(0
Example 0
document 0
for 0
LSA 0
applicants 0
â(0
v1 0
17 0
. 0

02 0
. 0

16 0
) 0
Introduction 0
This 0
document 0
describes 0
the 0
main 0
features 0
and 0
gives 0
a 0
general 0
description 0
of 0
the 0
ABCD 0
aircraft B-asset
for 0
Type 0
Certificate 0
application 0
by 0
XXX 0
Aviation 0
LLC 0
. 0

The 0
requirements 0
are 0
referenced 0
in 0
the 0
compliance 0
checklist 0
of 0
the 0
certification 0
programme 0
ABCD 0
- 0
CP 0
- 0
00 0
. 0

Contents 0
0 0
. 0

Introduction 0
2 0
1 0
. 0

References 0
4 0
2 0
. 0

Basic 0
description 0
4 0
2 0
. 0

1 0
. 0

Wing B-system
4 0
2 0
. 0

2 0
. 0

Fuselage B-system
4 0
2 0
. 0

3 0
. 0

Seats B-system
4 0
2 0
. 0

4 0

. 0

Tailplane B-system

4 0

2 0

. 0

5 0

. 0

Flight 0

surfaces 0

and 0

controls 0

4 0

2 0

. 0

6 0

. 0

Landing B-system

gear I-system

and 0

brakes B-system

4 0

2 0

. 0

7 0

. 0

Engine B-system

and 0

propeller B-system

5 0

2 0

. 0

8 0

. 0

Electrical B-system

system I-system

6 0

2 0

. 0

9 0

. 0

Heat B-system

and 0

ventilation B-system

6 0

3 0

. 0

Avionic B-system

system I-system

7 0

3 0

. 0

1 0
. 0

Instrument B-module
panel I-module
7 0
3 0
. 0

2 0
. 0

Avionics B-module
layout 0
8 0
4 0
. 0

Operational 0
conditions 0
10 0
4 0
. 0

1 0
. 0

Weight B-parameter
and 0
balance B-parameter
data I-parameter
10 0
4 0
. 0

2 0
. 0

Centre B-parameter
of I-parameter
gravity I-parameter
envelope I-parameter
: 0
10 0
4 0
. 0

3 0
. 0

Speeds B-parameter
10 0
5 0
. 0

3 0
view 0
drawing 0
11 0
References 0
(0
This 0
section 0
should 0

describe 0
the 0
references 0
to 0
support 0
the 0
description 0
of 0
the 0
type 0
. 0

It 0
normally 0
includes 0
drawings 0
, 0

master 0
data 0
list 0
, 0

etc 0
. 0

A 0
reference 0
to 0
the 0
certification 0
programme 0
should 0
also 0
be 0
provided 0
. 0

) 0
Drawing 0
list 0
, 0

ref 0
. 0

no 0
. 0

123 0
Certification 0
Programme 0
ABCD 0
- 0
CP 0
- 0
00 0
Basic 0
description 0
The 0
ABCD 0
airplane B-asset
is 0
a 0

single B-system
(I-system
piston I-system
) I-system
engine I-system
, 0

single 0
- 0
pilot 0
, 0

two B-module
- I-module
seated I-module
, 0

low B-module
- I-module
wing I-module
all B-parameter
- I-parameter
metal I-parameter
airplane B-asset
with 0
side B-location
- I-location
by I-location
- I-location
side I-location
configuration 0
of 0
the 0
seats B-system
. 0

The 0
airplane B-asset
â(0
s 0
structure 0
is 0
of 0
conventional 0
metal B-parameter
construction 0
. 0

Most 0
of 0
the 0
parts 0
are 0
made 0
in 0
Aluminum B-parameter
AL I-parameter
2024 I-parameter
, 0

of 0
different 0
temper 0
and 0

treatment 0
. 0

Some 0
steel B-parameter
parts 0
are 0
also 0
used 0
as 0
described 0
below 0
. 0

The 0
engine B-module
compartment I-module
is 0
separated 0
from 0
the 0
crew B-module
compartment 0
by 0
a 0
steel B-parameter
firewall B-component
. 0

Wing B-system
Wings B-system
is 0
made 0
with 0
AL B-parameter
2024 I-parameter
Aluminum I-parameter
and 0
consists 0
of 0
two 0
half B-module
- I-module
wings I-module
connected 0
to 0
the 0
fuselage B-system
with 0
four 0
bolts B-component
. 0

The 0
wing B-system
is 0
of 0
a 0
trapezoidal 0
plan 0
(0
with 0
straight B-location
Leading I-location

edge I-location
) 0
and 0
a 0
double B-module
- I-module
spar I-module
design 0
(0
with 0
main 0
spar B-component
carrying 0
most 0
of 0
the 0
bending 0
) 0
, 0

ailerons B-module
, 0

electrically 0
operated 0
flaps I-module
and 0
with 0
integral 0
fuel B-module
tanks I-module
in 0
the 0
leading B-location
edge I-location
. 0

The 0
flaps B-module
are 0
operated 0
by 0
an 0
electrical B-component
switch I-component
on 0
the 0
instrument B-system
panel I-system
. 0

Fuselage B-system
Fuselage B-system
is 0
made 0
with 0
AL B-parameter
2024 I-parameter
Aluminum I-parameter
. 0

Semi 0
- 0
monocoque 0

structure 0
, 0

consists 0
of 0
frames B-component
and 0
sheets B-component
reinforced 0
by 0
stringers B-component
. 0

It 0
hosts 0
the 0
supports 0
of 0
the 0
flight B-control
controls I-control
which 0
are 0
interfaced 0
by 0
means 0
of 0
angulars 0
and 0
reinforcements 0
. 0

Most 0
of 0
the 0
avionics B-module
equipment I-module
are 0
installed 0
in 0
the 0
back 0
of 0
the 0
control I-control
panel I-control
. 0

Seats B-system
Two 0
seats B-system
are 0
provided 0
with 0
headrests B-module
, 0

vertical B-module
adjustment I-module
, 0

backrest B-module
recline I-module
and 0

four B-parameter
- I-parameter
point I-parameter
seat I-module
belts I-module
. 0

Tailplane B-system
The 0
classical B-system
empennage I-system
consists 0
of 0
a 0
vertical B-module
tail I-module
surface I-module
and 0
a 0
horizontal B-module
tail I-module
surface I-module
with 0
right B-location
and 0
left B-location
elevators B-module
interconnected 0
by 0
the 0
control B-control
transmission I-control
. 0

The 0
vertical I-module
tail I-module
surface I-module
of 0
a 0
trapeze 0
shape 0
consists 0
of 0
a 0
vertical B-module
stabilizer I-module
and 0
a 0
rudder B-module
. 0

Flight B-system
surfaces I-system
and 0
controls B-system
The 0
flight B-system
surfaces I-system
consist 0
of 0
conventional B-module
ailerons I-module
, 0

elevator B-module
, 0

and 0
rudder B-module
. 0

Ailerons B-module
and 0
elevator B-module
are 0
deflected 0
through 0
push B-module
rods I-module
, 0

while 0
the 0
rudder B-module
is 0
controlled 0
by 0
steel B-parameter
cables B-control
. 0

There 0
is 0
only 0
one 0
elevator B-component
trim I-component
. 0

The 0
elevator B-component
trim I-component
and 0
wing B-component
flaps I-component
are 0
electrically 0
actuated 0
. 0

Landing B-system
gear I-system
and 0
brakes B-system
The 0
nose B-system
gear I-system
is 0
of 0
castoring 0
type 0
(0
not 0
steerable 0
) 0
, 0

and 0
consists 0
of 0
a 0
tubular B-component
steel B-parameter
leg I-component
connected 0
to 0
the 0
lower B-component
engine I-component
mount I-component
attachments I-component
and 0
is 0
fitted 0
with 0
a 0
hydraulic B-module
shock I-module
absorber I-module
. 0

The 0
main 0
landing B-system
gear I-system
system I-system
consists 0
of 0
two 0
leaf B-module
spring I-module
steel B-parameter
struts I-module
, 0

wheels B-module
with 0
disk I-module
brakes I-module
, 0

and 0
the 0
wheel B-module
fairings I-module
which 0
are 0
part 0
of 0
the 0
standard 0
equipment 0
. 0

The 0
struts B-module
absorb 0
the 0
landing 0
shocks 0
and 0

are 0
made 0
of 0
quenched 0
and 0
tempered B-parameter
steel I-parameter
. 0

Two 0
wheels B-module
6 0
. 0

00 0
- 0
6 0
for 0
main 0
landing 0
gear 0
and 0
5 0
. 0

00 0
- 0
5 0
wheel B-module
for 0
nose 0
are 0
installed 0
. 0

Hydraulic B-module
operated I-module
brake I-module
discs I-module
are 0
installed 0
on 0
the 0
aluminum B-parameter
wheels B-module
. 0

Wheel B-module
brakes I-module
are 0
operated 0
individually 0
using 0
the 0
brake B-module
pedals I-module
either 0
on 0
the 0
pilot 0
or 0
the 0
co 0
- 0

pilot 0
â(0
s 0
side 0
. 0

The 0
parking B-module
- I-module
brake I-module
lever I-module
is 0
located 0
on 0
the 0
centre B-system
panel I-system
, 0

and 0
closes 0
the 0
return B-component
valve I-component
of 0
the 0
brake B-module
lines I-module
. 0

Engine B-system
and 0
propeller B-system
The 0
aircraft B-asset
is 0
equipped 0
with 0
a 0
Rotax 0
912 0
ULS 0
2 0
engine B-system
(0
not 0
type 0
certificated 0
) 0
, 0

which 0
is 0
of 0
a 0
four 0
cycle 0
, 0

four 0
cylinder 0
horizontally 0
opposed 0
configuration 0

. 0

The 0
cylinder B-module
heads I-module
are 0
cooled 0
by 0
liquid 0
while 0
the 0
cylinders B-module
are 0
cooled 0
by 0
ram 0
air 0
flow 0
. 0

Engine B-parameter
rotation I-parameter
is 0
clockwise 0
, 0

looking 0
from 0
the 0
pilot 0
â(0
s 0
seat 0
. 0

The 0
performance B-parameter
of 0
the 0
engine B-system
is 0
100 0
HP I-measurement
at 0
maximum 0
take B-parameter
- I-parameter
off I-parameter
power I-parameter
(0
limited 0
to 0
5 0
min B-measurement
. 0

) 0
, 0

maximum 0
continuous B-parameter
power I-parameter
is 0
90 0

HP B-measurement
, 0

at 0
2400 0
RPM B-measurement
. 0

Engine B-parameter
output I-parameter
is 0
transferred 0
to 0
the 0
fixed B-component
pitch I-component
, 0

1700 0
mm B-measurement
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two 0
- 0
bladed 0
composite 0
propeller B-system
(0
model 0
XYZ 0
- 0
0101 0
with 0
TC 0
EASA 0
. 0

EASA 0
. 0

P 0
. 0

XXX 0
) 0
using 0
a 0
reduction B-module
gearbox I-module
(0
with 0
integrated I-component
overload I-component
clutch I-component
) 0
. 0

The 0
reduction I-parameter
ratio I-parameter
is 0
1 0
: 0
2 0
. 0

43 0
. 0

The 0
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is 0
controlled 0
with 0
a 0
single B-control
lever I-control
, 0

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between 0
the 0
two 0
seats B-system
. 0

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Engine B-system
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Electrical B-system
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Primary B-module
DC I-module
power I-module
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by 0
an 0
external B-module
alternator I-module
with 0
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14 0
VDC B-measurement
output B-parameter
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rated 0
of 0
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Amps B-measurement
@ 0
2500 0
rpm B-measurement
. 0

During 0
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operations 0
, 0

it 0
recharges 0
the 0
battery B-module
. 0

The 0
alternator B-module
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sufficient 0
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above 0
1200 0
rpm B-measurement
. 0

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The 0
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and 0
the 0
battery B-module
are 0
connected 0
to 0
the 0
battery B-module
bus I-module
in 0
order 0
to 0
energize 0
the 0
electrical B-system
system I-system
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Secondary B-module
DC I-module
power I-module
is 0
provided 0
by 0
a 0
lead 0
type 0
battery B-module
(0
Insert 0
battery 0
type 0
here 0
) 0
which 0
provides 0
the 0
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necessary 0
for 0
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the 0
essential 0
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For 0
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Each 0
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instrument I-module
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All 0
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cables I-component
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the 0
MIL 0
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Heat 0
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The 0
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The 0
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defrost B-component
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Avionic B-system
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The 0
aircraft B-asset
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a 0
semi B-module
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instrumentation I-module
, 0

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for 0
Day 0
- 0
VFR 0
operation 0
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â€œ 0
sixpack 0
â€œ 0
is 0
replaced 0
with 0
an 0
EFIS I-system
display I-system
on 0
the 0
pilot 0
side 0
, 0

and 0
contains 0

the 0
necessary 0
flight 0
data 0
and 0
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data 0
. 0

The 0
display B-module
has 0
controls 0
for 0
the 0
remote B-module
- I-module
controlled I-module
VHF I-module
radio I-module
and 0
NAV B-module
radio I-module
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VOR 0
/ 0
ILS 0
, 0

GNSS 0
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The 0
instrument B-system
panel I-system
is 0
divided 0
into 0
five 0
sections 0
: 0
LH B-location
, 0

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, 0

RH B-location
, 0

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panel I-component
cover I-component
, 0

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centre B-component
console I-component
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The 0
EFIS B-system
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is 0

located 0
on 0
the 0
LH B-location
section 0
together 0
with 0
the 0
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indicators I-module
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airspeed B-parameter
and 0
altitude B-parameter
. 0

The 0
stack 0
for 0
radio B-module
, 0

transponder I-module
, 0

navigation B-module
and 0
GPS B-module
are 0
located 0
on 0
the 0
centre B-system
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Engine B-module
analogue I-module
instruments I-module
are 0
located 0
to 0
the 0
right 0
. 0

The 0
GPS B-module
antenna I-module
is 0
located 0
on 0
the 0
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side 0
of 0
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fuselage B-system
. 0

The 0
COM B-module
antenna I-module
is 0

located 0
on 0
the 0
top B-location
of 0
the 0
vertical B-module
stabilizer I-module
. 0

The 0
NAV B-module
antenna I-module
is 0
located 0
underside B-location
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fuselage B-system
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The 0
pitot B-module
- I-module
static I-module
tube I-module
is 0
located 0
on 0
the 0
left B-location
wing B-system
. 0

The 0
magnetometer I-module
is 0
located 0
inside B-location
of 0
the 0
left B-location
wing B-system
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Instrument B-module
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Avionics B-module
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:
To 0
avoid 0
conflicts 0
with 0
the 0
trademark 0
owners 0

there 0
are 0
mock 0
type 0
designators 0
Pitot B-module
- I-module
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instruments I-module
Radios B-module
Other B-module
instruments I-module
Engine B-system
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Operational 0
conditions 0
The 0
aircraft B-asset
will 0
be 0
approved 0
for 0
VFR 0
- 0
DAY 0
operations 0
only 0
. 0

Weight B-parameter
and 0
balance B-parameter
data I-parameter
Datum B-module
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:
a 0
plane B-asset
through 0
the 0
leading 0
edge 0
at 0
wing B-parameter
mean I-parameter
aerodynamic I-parameter
chord I-parameter
, 0

perpendicular B-location
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the 0
longitudinal 0
axis 0
of 0
the 0
aircraft B-asset
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Centre B-parameter
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:
0

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â(0
Weight B-parameter
and 0
balance B-parameter
envelope I-parameter
Speeds B-parameter
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drawing 0
Wingspan B-parameter
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10 0
780 0
mm B-measurement
Length B-parameter
: 0
7165 0
mm B-measurement
Height B-parameter
: 0
2100 0
mm B-measurement
Wheelbase B-parameter
: 0
1750 0
mm B-measurement
Wheel B-parameter
track I-parameter
: 0
1900 0
mm B-measurement
Figure 0
5 0
â(0
3D 0
View 0

{ 0
" 0
extra 0
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: 0
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name 0
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design 0
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10148 0
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f470b53049274ab985a69503c9531c37 0
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dw 0
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parameters 0
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Arm B-system
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809 0
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Length B-parameter
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Arm B-system
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Length B-parameter
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arm B-system
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length B-parameter
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BODY B-system
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ROT B-parameter
_ I-parameter
ANGLE I-parameter
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value 0
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Fuselage B-system
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component 0
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BOTTOM B-module
_ I-module
CONNECTOR I-module
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ROTATION B-parameter
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component 0
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Orient B-module
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Z B-parameter
_ I-parameter
ANGLE I-parameter
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CargoCaseRotation B-parameter
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CargoCase B-module
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Rotation B-parameter
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CargoMass B-parameter
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Cargo B-system
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WEIGHT B-parameter
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ControlChannelAuto B-parameter
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Motor B-system
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CONTROL B-parameter
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Motor B-system
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CONTROL B-parameter
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Motor B-system
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CONTROL B-parameter
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CHANNEL I-parameter
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FUSELAGE B-system
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AUTOPILOT 0
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OFFSET B-parameter
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Fuselage B-system
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FLOOR B-module
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CONNECTOR I-module
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DISP B-parameter
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optimization 0
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fuselage B-system
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sensor B-module
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CONNECTOR I-module
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sensor B-module
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FUSELAGE B-system
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BATTERY1 B-module
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OFFSET B-parameter
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FLOOR B-module
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CONNECTOR I-module
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DISP B-parameter
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FUSELAGE B-system
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BATTERY1 B-module
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OFFSET B-parameter
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Fuselage B-system
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FLOOR B-module
_ I-module
CONNECTOR I-module
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DISP B-parameter
_ I-parameter
WIDTH I-parameter
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optimization 0
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fuselage B-system
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battery B-module
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parameter 0
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FUSELAGE B-system
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BATTERY2 B-module
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OFFSET B-parameter
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value 0
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component 0
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properties 0
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component 0
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Fuselage B-system
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component 0
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property 0
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FLOOR B-module
_ I-module
CONNECTOR I-module
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DISP B-parameter
_ I-parameter
LENGTH I-parameter
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optimization 0
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fuselage B-system
_ 0
battery B-module
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parameter 0
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name 0
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FUSELAGE B-system
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BATTERY2 B-module
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OFFSET B-parameter
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value 0
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properties 0
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Fuselage B-system
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FLOOR B-module
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CONNECTOR I-module
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DISP B-parameter
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WIDTH I-parameter
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fuselage B-system
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battery B-module
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parameter 0
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name 0
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FUSELAGE B-system
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OFFSET B-parameter
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component 0
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properties 0
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component 0
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name 0
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Fuselage B-system
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" 0
component 0
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property 0
" 0
: 0
" 0
FLOOR B-module
_ I-module
CONNECTOR I-module
_ 0
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DISP B-parameter
_ I-parameter
LENGTH I-parameter
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optimization 0
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" 0
fuselage B-system
_ 0
sensor B-module
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parameter 0
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name 0
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FUSELAGE B-system
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CURRENT 0
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OFFSET B-parameter
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Arm B-system
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_ 0
type 0
" 0
: 0
" 0
Tube 0
" 0
, 0

" 0
component 0
_ 0
choice 0

```
" 0
: 0
" 0
03940D 0
_ 0
para 0
_ 0
tube 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
3 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Tube 0
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
03940D 0
_ 0
para 0
_ 0
tube 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Arm B-system
```

_ 0
809 0
_ 0
4 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Tube 0
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
03940D 0
_ 0
para 0
_ 0
tube 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
5 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Tube 0
" 0
, 0

" 0
component 0
_ 0

```
choice 0
" 0
: 0
" 0
03940D 0
_ 0
para 0
_ 0
tube 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
6 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Tube 0
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
03940D 0
_ 0
para 0
_ 0
tube 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
```

```
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
BatteryController B-control
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
BatteryController B-control
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Battery B-system
_ 0
1 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Battery B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
TurnigyGraphene5000mAh6S75C 0
```

```
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Battery B-system
_ 0
2 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Battery B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
TurnigyGraphene5000mAh6S75C 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Cargo B-system
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Cargo B-system
" 0
, 0
```



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" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
Cargo B-system
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
CargoCase B-module
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
CargoCase B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
CargoCase B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
1 0
" 0
, 0

" 0
```

```
component 0
_ 0
type 0
" 0
: 0
" 0
Flange B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394 0
_ 0
para 0
_ 0
flange B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
2 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Flange B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394 0
_ 0
para 0
_ 0
```

```
flange B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
3 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Flange B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394 0
_ 0
para 0
_ 0
flange B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
4 0
" 0
, 0
```

```
" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Flange B-module
" 0
, 0
```

```
" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394 0
_ 0
para 0
_ 0
flange B-module
" 0
} 0
, 0
```

```
{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
5 0
" 0
, 0
```

```
" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Flange B-module
" 0
, 0
```

```
" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394 0
_ 0
para 0
```

```
_ 0
flange B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
6 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Flange B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394 0
_ 0
para 0
_ 0
flange B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
```

```
component 0
_ 0
type 0
" 0
: 0
" 0
UAV 0
_ 0
Fuselage B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
capsule 0
_ 0
fuselage B-system
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Para 0
_ 0
Hub 0
_ 0
6 0
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
0394od 0
_ 0
```

```
para 0
_ 0
hub 0
_ 0
6 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Motor B-system
_ 0
1 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Motor B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
t 0
_ 0
motor B-system
_ 0
AT4130KV300 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Motor B-system
_ 0
2 0
" 0
, 0
```

```
" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Motor B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
t 0
_ 0
motor B-system
_ 0
AT4130KV300 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Motor B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
t 0
_ 0
motor B-system
_ 0
AT4130KV300 0
```



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" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Motor B-system
_ 0
4 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Motor B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
t 0
_ 0
motor B-system
_ 0
AT4130KV300 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
```

```
: 0
" 0
Motor B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
t 0
_ 0
motor B-system
_ 0
AT4130KV300 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Motor B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
t 0
_ 0
motor B-system
_ 0
AT4130KV300 0
" 0
} 0
, 0

{ 0
```

```
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Orient B-module
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Orient B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
Orient B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Propeller B-system
_ 0
1 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Propeller B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
```

```
: 0
" 0
apc 0
_ 0
propellers B-system
_ 0
14x14N 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Propeller B-system
_ 0
2 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Propeller B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
apc 0
_ 0
propellers B-system
_ 0
14x14N 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Propeller B-system
_ 0
3 0
" 0
```

```
, 0
" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Propeller B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
apc 0
_ 0
propellers B-system
_ 0
14x14N 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Propeller B-system
_ 0
4 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Propeller B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
apc 0
_ 0
propellers B-system
```

```
_ 0
14x14N 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Propeller B-system
_ 0
5 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Propeller B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
apc 0
_ 0
propellers B-system
_ 0
14x14N 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Propeller B-system
_ 0
6 0
" 0
, 0

" 0
component 0
_ 0
```

```
type 0
" 0
: 0
" 0
Propeller B-system
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
apc 0
_ 0
propellers B-system
_ 0
14x14N 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Sensor B-module
_ 0
1 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Sensor B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
RpmTemp B-parameter
" 0
} 0
, 0

{ 0
" 0
component 0
```

```
_ 0
instance 0
" 0
: 0
" 0
Sensor B-module
_ 0
2 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Sensor B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
Autopilot 0
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Sensor B-module
_ 0
3 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Sensor B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
```



```
: 0
" 0
Current B-parameter
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Sensor B-module
_ 0
4 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Sensor B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
Voltage B-parameter
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Sensor B-module
_ 0
5 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
```

```
" 0
Sensor B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
GPS B-module
" 0
} 0
, 0

{ 0
" 0
component 0
_ 0
instance 0
" 0
: 0
" 0
Sensor B-module
_ 0
6 0
" 0
, 0

" 0
component 0
_ 0
type 0
" 0
: 0
" 0
Sensor B-module
" 0
, 0

" 0
component 0
_ 0
choice 0
" 0
: 0
" 0
Variometer B-parameter
" 0
} 0
] 0
, 0

" 0
connections 0
" 0
: 0
[ 0
{ 0
" 0
from 0
_ 0
```

```
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
2 0
" 0
```

```
, 0
" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
```

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" 0  
, 0
```

```
" 0  
to 0  
_ 0  
ci 0
```

```
" 0  
: 0  
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```

```
Flange B-module
```

```
_ 0  
261 0  
_ 0  
3 0  
" 0  
, 0
```

```
" 0  
to 0  
_ 0  
conn 0
```

```
" 0  
: 0  
" 0
```

```
SideConnector B-component
```

```
" 0  
} 0  
, 0
```

```
{ 0  
" 0  
from 0  
_ 0  
ci 0
```

```
" 0  
: 0  
" 0
```

```
Arm B-system
```

```
_ 0  
809 0  
_ 0  
4 0  
" 0  
, 0
```

```
" 0  
from 0  
_ 0  
conn 0
```

```
" 0  
: 0  
" 0
```

```
EndConnection B-component
```

```
" 0  
, 0
```

```
" 0  
to 0  
_ 0  
ci 0
```

```
" 0  
: 0  
" 0
```

```
Flange B-module
_ 0
261 0
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
5 0
" 0
, 0

" 0
to 0
```

```
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
6 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
} 0
, 0
```

```
{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
```



```
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
```

```
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
```

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2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
```

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" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
```

Battery B-system

_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0

" 0
: 0
" 0

PowerBus B-component

" 0
, 0

" 0
to 0
_ 0
ci 0

" 0
: 0
" 0

Battery B-system

_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0

" 0
: 0
" 0

PowerBus B-component

" 0
} 0
, 0

{ 0
" 0
from 0
_ 0

ci 0
" 0
: 0
" 0

Battery B-system

_ 0
1 0
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" 0
from 0
_ 0
conn 0

" 0
: 0
" 0

PowerBus B-component

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, 0

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to 0
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ci 0
" 0
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" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
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conn 0
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: 0
" 0
BatteryPower B-component
" 0
} 0
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{ 0
" 0
from 0
_ 0
ci 0
" 0
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" 0
CargoCase B-module
" 0
, 0

" 0
from 0
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conn 0
" 0
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" 0
CargoConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Cargo B-system
" 0
, 0
```

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" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
CargoConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
1 0
" 0
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" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
} 0
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{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
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2 0
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" 0
from 0
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conn 0
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" 0
TopConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
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: 0
" 0
Motor B-system
_ 0
2 0
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" 0
to 0
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conn 0
" 0
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" 0
Base B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
```



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Flange B-module
_ 0
261 0
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
4 0
" 0
, 0

" 0
from 0
```

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_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
, 0

" 0
```

```
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
```

```
, 0
" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector3 B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
} 0
```

```
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector2 B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
```

```
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector5 B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
3 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector6 B-component
" 0
, 0
```

```
" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BottomConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0
```

```
" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Top B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector4 B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
} 0
, 0
```



```
{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector7 B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
5 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0
```

```
" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector8 B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
6 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector1 B-component
" 0
, 0

" 0
to 0
_ 0
```

```
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
```

```
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
CargoCase B-module
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Case2HubConnector B-component
" 0
} 0
```

```
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ I-module
1 I-module
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
5 0
" 0
, 0

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to 0
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ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
5 0
" 0
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to 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
} 0
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" 0
from 0
_ 0
ci 0
" 0
```

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: 0
" 0
MainHub B-module
_ 0
1 0
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" 0
from 0
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conn 0
" 0
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" 0
Side B-component
_ I-component
Connector I-component
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4 0
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to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
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4 0
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" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
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} 0
, 0

{ 0
" 0
from 0
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ci 0
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" 0
MainHub B-module
_ 0
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```

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" 0
from 0
_ 0
conn 0
" 0
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" 0
Side B-component
_ I-component
Connector I-component
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3 0
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to 0
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ci 0
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" 0
Arm B-system
_ 0
809 0
_ 0
1 0
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to 0
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conn 0
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" 0
BaseConnection B-component
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" 0
from 0
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ci 0
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" 0
MainHub B-module
_ 0
1 0
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from 0
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conn 0
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Side B-component
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_ I-component
Connector I-component
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" 0
to 0
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ci 0
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Arm B-system
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809 0
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to 0
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conn 0
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" 0
BaseConnection B-component
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ci 0
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MainHub B-module
_ 0
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" 0
from 0
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conn 0
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" 0
Side B-component
_ I-component
Connector I-component
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" 0
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to 0
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ci 0
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Arm B-system
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809 0
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6 0
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to 0
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conn 0
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" 0
BaseConnection B-component
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" 0
from 0
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ci 0
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" 0
Motor B-system
_ 0
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from 0
_ 0
conn 0
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" 0
Prop B-component
_ I-component
Connector I-component
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to 0
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ci 0
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" 0
Propeller B-system
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to 0
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conn 0
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MOTOR B-component
_ I-component
CONNECTOR I-component
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CS 0
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IN 0
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{ 0
" 0
from 0
_ 0
ci 0
" 0
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" 0
Motor B-system
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2 0
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" 0
from 0
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conn 0
" 0
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" 0
Prop B-component
_ I-component
Connector I-component
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to 0
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ci 0
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Propeller B-system
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to 0
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conn 0
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MOTOR B-component
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CONNECTOR I-component
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Motor B-system
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conn 0
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Prop B-component
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Connector I-component
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Propeller B-system
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conn 0
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MOTOR B-component
_ I-component
CONNECTOR I-component
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CS 0
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IN 0
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" 0
from 0
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ci 0
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: 0
" 0
Motor B-system
_ 0
4 0
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" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
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to 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
} 0
```

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, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
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" 0
from 0
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conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
, 0

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to 0
_ 0
ci 0
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: 0
" 0
Propeller B-system
_ 0
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conn 0
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" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
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} 0
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{ 0
" 0
from 0
_ 0
```

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ci 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
, 0

" 0
from 0
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conn 0
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" 0
Prop B-component
_ I-component
Connector I-component
" 0
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to 0
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ci 0
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" 0
Propeller B-system
_ 0
6 0
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to 0
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conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Orient B-module
" 0
```

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" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
ORIENTCONN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Orient B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
```

```
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
```



```
Arm B-system
_ 0
809 0
_ 0
2 0
" 0
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" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
3 0
" 0
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" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
3 0
" 0
, 0

" 0
to 0
```

```
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
4 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0
```

```
{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
5 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
```

```
261 0
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SideConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
6 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
EndConnection B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
```

```
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
```

BatteryController B-control

_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0

MotorPower B-module

" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0

Motor B-system

_ 0
4 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0

MotorPower B-module

" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0

BatteryController B-control

_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0

```
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
```

```
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
, 0

" 0
from 0
```



```
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
MotorPower B-module
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
PowerBus B-component
" 0
, 0

" 0
to 0
_ 0
```

```
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
PowerBus B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
BatteryController B-control
_ 0
483 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BatteryPower B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
1 0
" 0
, 0

" 0
to 0
```

```
_ 0
conn 0
" 0
: 0
" 0
PowerBus B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Cargo B-system
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
CargoConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
CargoCase B-module
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
CargoConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
```

```
Motor B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
```

```
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
, 0

" 0
```

```
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
3 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
4 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
```

```
4 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
5 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
```

```
" 0
TopConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Base B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Flange B-module
_ 0
261 0
_ 0
6 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
TopConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
```



```
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector3 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
```

```
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector2 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
```

```
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector5 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
4 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
```

```
" 0
FloorConnector6 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Top B-component
_ I-component
Connector I-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
BottomConnector B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
```

```
: 0
" 0
Sensor B-module
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector4 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
5 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
```

```
" 0
SensorConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector7 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Sensor B-module
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
SensorConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
```

```
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector8 B-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Battery B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Fuselage B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
FloorConnector1 B-component
```

```
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
2 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
```



```
ci 0
" 0
: 0
" 0
CargoCase B-module
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
Case2HubConnector B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Bottom B-system
_ I-system
Connector I-system
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
5 0
" 0
, 0

" 0
from 0
```

```
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
5 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
4 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0
```

```
" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
4 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
```

```
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
3 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
```

```
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
_ 0
1 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Arm B-system
_ 0
809 0
_ 0
6 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
BaseConnection B-component
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
MainHub B-module
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Side B-component
_ I-component
Connector I-component
```

```
_ 0
6 0
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
1 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
1 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0
```

```
{ 0
" 0
from 0
_ 0
ci 0
" 0
: 0
" 0
Propeller B-system
_ 0
2 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
2 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
" 0
```

```
: 0
" 0
Propeller B-system
_ 0
3 0
" 0
, 0

" 0
from 0
_ 0
conn 0
" 0
: 0
" 0
MOTOR B-component
_ I-component
CONNECTOR I-component
_ 0
CS 0
_ 0
IN 0
" 0
, 0

" 0
to 0
_ 0
ci 0
" 0
: 0
" 0
Motor B-system
_ 0
3 0
" 0
, 0

" 0
to 0
_ 0
conn 0
" 0
: 0
" 0
Prop B-component
_ I-component
Connector I-component
" 0
} 0
, 0

{ 0
" 0
from 0
_ 0
ci 0
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Propeller B-system
_ 0
4 0
" 0
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" 0
from 0
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conn 0
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MOTOR B-component
_ I-component
CONNECTOR I-component
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CS 0
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IN 0
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Motor B-system
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Prop B-component
_ I-component
Connector I-component
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Propeller B-system
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from 0
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conn 0
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MOTOR B-component
_ I-component
CONNECTOR I-component
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Motor B-system
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Prop B-component
_ I-component
Connector I-component
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Propeller B-system
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MOTOR B-component
_ I-component
CONNECTOR I-component
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Motor B-system
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Prop B-component
_ I-component
Connector I-component
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ci 0
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MainHub B-module
_ 0
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conn 0
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: 0
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Orient B-component
_ I-component
Connector I-component
" 0
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" 0
to 0
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ci 0
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Orient B-module
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conn 0
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FLIGHT 0
ENVELOPE 0
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Example 0
document 0
for 0
LSA 0
applicants 0
â(0
v1 0
of 0
08 0
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03 0
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16 0
) 0
Introduction 0
This 0
document 0
defines 0
the 0
flight B-parameter
envelope I-parameter
of 0
the 0
ABCD 0
aircraft B-asset
. 0

The 0
requirements 0
are 0
referenced 0
in 0
the 0
compliance 0
checklist 0
of 0
the 0
certification 0

programme 0
ABCD 0
- 0
CP 0
- 0
00 0
. 0

The 0
boundaries 0
of 0
the 0
flight B-parameter
envelope I-parameter
will 0
be 0
defined 0
within 0
this 0
document 0
. 0

All 0
speeds B-parameter
are 0
calibrated 0
airspeeds B-parameter
(0
CAS 0
) 0
(0
requirement 0
4 0
. 0

4 0
) 0
and 0
given 0
in 0
knots B-measurement
if 0
not 0
stated 0
otherwise 0
. 0

All 0
other 0
units 0
used 0
are 0
metric 0
(0
SI 0
units 0
) 0
. 0

The 0
weights B-parameter
are 0
given 0
in 0

mass B-parameter
units 0
(0
kg B-measurement
) 0
but 0
the 0
formulas 0
require 0
force B-parameter
units 0
as 0
input 0
, 0

therefore 0
these 0
are 0
calculated 0
in 0
place 0
wherever 0
they 0
are 0
used 0
. 0

Note 0
: 0
The 0
speeds B-parameter
defined 0
within 0
this 0
document 0
should 0
be 0
used 0
for 0
the 0
placards B-component
, 0

speed B-parameter
markings 0
, 0

aeroplane B-asset
flight 0
manual 0
(0
limitations 0
) 0
, 0

load B-parameter
calculations 0
and 0
need 0
to 0
be 0
verified 0
by 0
flight 0

test 0
. 0

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flight B-parameter

level I-parameter

100 0

CG 0

centre B-parameter

of I-parameter

gravity I-parameter

MSL 0

mean B-parameter

sea I-parameter

level I-parameter

a 0

lift B-parameter

- I-parameter

curve I-parameter

slope I-parameter

of 0

the 0

aeroplane B-asset

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cL 0

maximum B-parameter

lift I-parameter

coefficient 0

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from 0

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cL 0

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max 0

maximum B-parameter

lift I-parameter

coefficient 0

of 0

the 0

clean 0

wing B-system

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cL 0

_ 0

flaps 0

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max 0

maximum B-parameter

lift I-parameter

coefficient 0

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lift I-parameter
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of 0
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wing I-system
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acceleration I-parameter
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9 0
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m B-measurement
/ I-measurement
s2 I-measurement
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/ I-measurement
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Reynolds B-parameter
number I-parameter
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S 0
wing B-parameter
area I-parameter
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m2 B-measurement
] 0
SW 0
wetted B-parameter
wing I-parameter
area I-parameter
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) 0
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m2 B-measurement
] 0
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air B-parameter
density I-parameter
at 0

a 0
certain 0
altitude B-parameter
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see 0
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density I-parameter
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level I-parameter
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VA 0
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VC 0
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cruising B-parameter
speed I-parameter
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kts B-measurement
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VD 0
design 0
dive B-parameter
speed I-parameter
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kts B-measurement
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VF 0
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operating I-parameter
speed I-parameter
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VFE 0
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maximum I-parameter
extension I-parameter
speed I-parameter
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VH 0
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speed I-parameter
in I-parameter
level I-parameter
flight I-parameter
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kts B-measurement

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landing I-parameter
gear I-parameter
operating I-parameter
speed I-parameter
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VNE 0
never 0
exceed 0
speed 0
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VS 0
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speed I-parameter
in I-parameter
landing I-parameter
configuration I-parameter
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flaps 0
extended 0
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VS1 0
stall B-parameter
speed I-parameter
in I-parameter
clean I-parameter
configuration I-parameter
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flaps 0
retracted 0
) 0
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aeroplane B-parameter
maximum I-parameter
take I-parameter
- I-parameter
off I-parameter
weight I-parameter
according 0
to 0
CS 0
- 0
LSA 0
. 0

5 0
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kg B-measurement
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aeroplane B-parameter
minimum I-parameter
flying I-parameter
weight I-parameter

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kg B-measurement
] 0
aeroplane B-parameter
minimum I-parameter
flying I-parameter
weight I-parameter
with I-parameter
full I-parameter
fuel I-parameter
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kg B-measurement
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Requirements 0
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document 0
covers 0
the 0
following 0
certification 0
specifications 0
requirements 0
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Table 0
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Requirements 0
Design 0
Airspeeds B-parameter
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chapter 0
defines 0
the 0
operating 0
and 0
design 0
airspeeds B-parameter
as 0
required 0
for 0
certification 0
. 0

Maximum B-parameter
speed I-parameter
in I-parameter
level I-parameter
flight I-parameter
VH 0
According 0
to 0
flight 0
tests 0
at 0
maximum B-parameter
weight I-parameter
and 0
maximum B-parameter
continuous I-parameter
power I-parameter
at 0
sea 0
level 0
conditions 0

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the 0
maximum B-parameter
speed I-parameter
in 0
level 0
flight 0
has 0
been 0
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Stall B-parameter
speeds I-parameter
VS 0
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VS0 0
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VS1 0
These 0
speeds 0
will 0
be 0
verified 0
by 0
flight 0
test 0
according 0
to 0
requirement 0
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In 0
order 0
to 0
calculate 0
the 0
stall B-parameter
speed I-parameter
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the 0
maximum B-parameter
lift I-parameter
coefficient I-parameter
of 0
the 0
aeroplane B-asset
as 0
a 0
whole 0
is 0
determined 0
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The 0
maximum B-parameter
lift I-parameter
coefficient I-parameter
of 0
the 0
aeroplane B-asset
has 0
been 0
calculated 0
starting 0
from 0
the 0
polar 0
curve 0
of 0
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profile 0
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flaps 0
in 0
landing 0
configuration 0
, 0

and 0
in 0
take 0
- 0
off 0
configuration 0
) 0
. 0

Considering 0
the 0
horizontal B-parameter
tail I-parameter
balancing I-parameter
force I-parameter
and 0
the 0
lower 0
total 0
wing B-parameter
lift I-parameter
due 0
to 0
wing B-parameter
lift I-parameter
distribution 0
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the 0
total 0
aeroplane I-parameter
lift I-parameter
coefficient 0
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been 0
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by 0
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respect 0
to 0
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one 0
of 0
the 0
profile 0
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Therefore 0
aeroplane B-parameter
lift I-parameter
coefficient I-parameter
is 0
estimated 0
to 0
and 0
for 0
the 0
landing 0
configuration 0
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since 0
the 0
span 0
extension 0
of 0
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flaps 0
is 0
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of 0
the 0

span 0
of 0
the 0
wing B-system
) 0
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Stall B-parameter
speeds I-parameter
have 0
been 0
calculated 0
based 0
on 0
these 0
calculated 0
lift B-parameter
coefficients I-parameter
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The 0
wetted 0
wing 0
area 0
SW 0
is 0
used 0
instead 0
of 0
total 0
wing B-parameter
area I-parameter
S 0
because 0
of 0
a 0
lower 0
lift 0
within 0
the 0
fuselage B-system
section 0
of 0
the 0
span 0
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Flaps 0
retracted 0
(0
take 0
- 0
off 0
configuration 0
) 0
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Flaps 0
extended 0
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landing 0
configuration 0
) 0
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Flaps 0
extended 0

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- 0
off 0
configuration 0
) 0
: 0
With 0
. 0

The 0
stall B-parameter
speed I-parameter
in 0
landing 0
configuration 0
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flaps 0
fully 0
extended 0
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40 0
degrees 0
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is 0
44 0
kts 0
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Therefore 0
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is 0
In 0
accordance 0
with 0
CS 0
- 0
LSA 0
. 0

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In 0
Take 0
- 0
Off 0
configuration 0
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flaps 0
extended 0
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degrees 0
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stall B-parameter
speed I-parameter
is 0
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kts 0
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Note 0
: 0
These 0
speeds B-parameter
are 0
estimates 0
. 0

The 0
methods 0
for 0
the 0
estimation 0
can 0
be 0
various 0
. 0

It 0
is 0
important 0
that 0
these 0
estimations 0
are 0
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precise 0
as 0
possible 0
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Flight 0
tests 0
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be 0
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stall B-parameter
speeds I-parameter
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flight 0
tests 0
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the 0
speeds B-parameter
used 0
for 0
design 0

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ultimately 0
might 0
impair 0
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compliance 0
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LSA 0
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Design 0
manoeuvring B-parameter
speed I-parameter
VA 0
According 0
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requirement 0
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Flaps B-parameter
maximum I-parameter
operating I-parameter
speed I-parameter
VF 0
According 0
to 0