

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

A

B

C

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E

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

PLM STATE:

UNLESS OTHERWISE SPECIFIED:

ALL DIMENSIONS:
IN MILLIMETERS
INTERPRETED PER ASME Y14.5-2009
APPLY AFTER FINISH APPLIED
REMOVE BURRS AND BREAK EDGES: 0.13 - 0.4
INTERNAL RADII: 0.13 - 0.4

PROPRIETARY AND CONFIDENTIAL

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SURFACE FINISH: 1.6

TOLERANCES:
LINEAR: ANGULAR:

THIRD ANGLE PROJECTION

MATERIAL

FINISH

ITEM NO. PART NUMBER PART DESCRIPTION QTY

25 29357-002 ANTENNA, REAR, WIFI, FLIGHT COMPUTER, ZIP, P2 1

24 42583-000 ASSY, SD CARD DATA LOGGER, SIDE A 1

23 42584-000 ASSY, SD CARD DATA LOGGER, SIDE B 1

22 21840-003 TAIL ASSY STBRD(RH), GNSS, ZIP, P2 1

21 24762-002 OUTBOARD WING ASSY PORT(LH), DEPOP, ZIP, P2 1

20 18480-003 PARALAND ASSY, ZIP, P2 1

19 26825-002 LOWER FOAM ASSY, ZIP, P2 1

18 23540-004 BUSBARS, KIT, ZIP, P2 1

17 22623-011 UPPER FOAM, UPPER FOAM ASSY, ZIP, P2 1

16 23088-002 PRIMARY STRUCTURE, ZIP, P2 1

15 26014-019 MIXED PROPELLER BLADE, ZIP, P2 1

14 20994-004 FLIGHT COMPUTER ASSY, ZIP, P2 1

13 20817-002 PWR-DISTRO BOARD, ASSY, ZIP, P2 1

12 27165-013 BITS KIT, ZIP, P2 1

11 23548-002 AFT MOTOR ASSY, ZIP, P2 1

10 24084-004 DOCKING FIN WINCH ASSY, ZIP, P2 1

9 24903-001 STANDALONE HARNESSSES KIT, ZIP DEPOPULATED, P2 1

8 27158-000 BATTERY ASSY, ZIP, P2 1

7 22280-001 AOA TEMP HUMIDITY VANE ASSY, ZIP, P2 1

6 31280-003 TAIL ASSY PORT(LH), GNSS, ZIP, P2 1

5 31101-000 CW HOVER PROPELLER BLADE, ZIP, P2 4

4 19607-001 CCW/CW HOVER MOTOR ASSY, ZIP, P2 4

3 29857-011 CCW HOVER PROPELLER BLADE, ZIP, P2 4

2 26121-004 NOSECONE ASSY, DEPOP, ZIP, P2 1

1 25266-002 OUTBOARD WING ASSY STBD(RH), DEPOP, ZIP, P2 1

ITEM NO. PART NUMBER PART DESCRIPTION QTY

25 29357-002 ANTENNA, REAR, WIFI, FLIGHT COMPUTER, ZIP, P2 1

24 42583-000 ASSY, SD CARD DATA LOGGER, SIDE A 1

23 42584-000 ASSY, SD CARD DATA LOGGER, SIDE B 1

22 21840-003 TAIL ASSY STBRD(RH), GNSS, ZIP, P2 1

21 24762-002 OUTBOARD WING ASSY PORT(LH), DEPOP, ZIP, P2 1

20 18480-003 PARALAND ASSY, ZIP, P2 1

19 26825-002 LOWER FOAM ASSY, ZIP, P2 1

18 23540-004 BUSBARS, KIT, ZIP, P2 1

17 22623-011 UPPER FOAM, UPPER FOAM ASSY, ZIP, P2 1

16 23088-002 PRIMARY STRUCTURE, ZIP, P2 1

15 26014-019 MIXED PROPELLER BLADE, ZIP, P2 1

14 20994-004 FLIGHT COMPUTER ASSY, ZIP, P2 1

13 20817-002 PWR-DISTRO BOARD, ASSY, ZIP, P2 1

12 27165-013 BITS KIT, ZIP, P2 1

11 23548-002 AFT MOTOR ASSY, ZIP, P2 1

10 24084-004 DOCKING FIN WINCH ASSY, ZIP, P2 1

9 24903-001 STANDALONE HARNESSSES KIT, ZIP DEPOPULATED, P2 1

8 27158-000 BATTERY ASSY, ZIP, P2 1

7 22280-001 AOA TEMP HUMIDITY VANE ASSY, ZIP, P2 1

6 31280-003 TAIL ASSY PORT(LH), GNSS, ZIP, P2 1

5 31101-000 CW HOVER PROPELLER BLADE, ZIP, P2 4

4 19607-001 CCW/CW HOVER MOTOR ASSY, ZIP, P2 4

3 29857-011 CCW HOVER PROPELLER BLADE, ZIP, P2 4

2 26121-004 NOSECONE ASSY, DEPOP, ZIP, P2 1

1 25266-002 OUTBOARD WING ASSY STBD(RH), DEPOP, ZIP, P2 1

ITEM NO. PART NUMBER PART DESCRIPTION QTY

62 25918-003 PRESS FIT PIN, MIXED PROPELLER BITS KIT, BITS KIT, ZIP, P2 1

61 29905-002 M4 THERMAL SPACER, 3MM, BITS KIT, ZIP, P2 6

60 43980-000 SEALING WASHER, DOCKING FIN, ZIP, P2 4

59 44013-000 COTS M4 COPPER SEALING WASHER 4

58 31390-000 25MM X 15MM DUAL LOCK, FLEXES 6

57 29981-000 COTS, M4 WASHER, OVERSIZED, 4.3MM ID, 12MM OD 4

56 34358-000 COTS, M2.5, 7MM, BHS 2

55 25290-000 M2.5 BELLEVILLE WASHER 2

54 44118-000 COTS, WASHER, M2.5, 8MM OD, STAINLESS STEEL 2

53 43661-000 COTS, SPACER, M4, 2MM 6

52 43513-000 HEAT SHRINK TUBING, POLYOLEFIN, 2:1 SHRINK RATIO, 1/4 INCH ID, CLEAR 1

51 43512-000 COTS, THREADLOCK PRIMER, LOCTITE SF 7471 1

50 43455-000 COTS, M1.6 X 16MM SCREW 4

49 43454-000 COTS, WASHER, M1.6 4

48 30885-003 PRESS FIT PIN, HOVER PROPELLER BITS KIT, BITS KIT, ZIP, P2 8

47 29361-001 COTTER PIN, MIXED PROPELLER BITS KIT, BITS KIT, ZIP, P2 9

46 13051-000 COTS, THREADLOCKER, LOCTITE 243 1

45 42784-000 MOUNTING TAPE, MIXED BUSBAR, ZIP, P2 4

44 42851-000 COTS, THREADLOCKER, LOCTITE, 290 1

43 42850-000 TORQUE LOOSENING INDICATOR PEN, FINE TIP, ORANGE 1

42 42578-000 FIN SPLINT, ZIP, P2 2

41 43452-000 COTS EQUIVALENT M4 SHORT SCREW (16MM), ZIP, P2 44

40 39255-000 6 PIN CONNECTOR DELETE PLUG, ZIP, P2 4

39 12332-000 COTS, DUST CAP, M5 FEMALE 6

38 43453-000 COTS EQUIVALENT M4 LONG SCREW (25MM), ZIP, P2 12

PHANTOM ASSY: BUY PARTS NESTED WITHIN 37 28748-001 BUSBAR MOUNT ASSY, ZIP, P2 1

36 23395-000 FAA NAMEPLATE, ZIP, P2 1

35 24863-001 M4, COMPRESSION LIMITER, 8.4MM OD, LONG 2

34 24862-001 M4, COMPRESSION LIMITER, 8.4MM OD, SHORT 20

33 43368-000 COTS EQUIVALENT WING FASTENER, ZIP, P2 4

32 25397-000 BHCS, M1.6, 10MM, WIDE HEAD 62

31 29607-000 SCREW, M2.5X30 BHS 2

30 28850-004 FAIRING FIN, ZIP, P2 1

29 29459-000 SCREW, M2.5, 6MM, BHCS, MAG COMPATIBLE 2

28 01641-000 COTS, WASHER, M2.5 6

27 02876-000 COTS, NUT, M2.5 4

26 31439-000 COTS, M2.5 x 0.45, 6MM, CAPTIVE BELLEVILLE WASHER 38

25 30672-000 MOUNT PLATE, LOCK MECH, ZIP, P2 1

24 30412-000 M2.5 X 8 CNTRSK SCREW 4

23 29595-001 FOAM PLUG, DAA HOUSING, UNIVERSAL, ZIP, P2 2

PHANTOM ASSY: BUY PARTS NESTED WITHIN 22 32803-002 HOVER MITTEN KIT DEPOPULATED, BITS KIT, ZIP, P2 1

PHANTOM ASSY: BUY PARTS NESTED WITHIN 21 32804-000 SERVO FLEX KIT, BITS KIT, ZIP, P2 1

20 30671-001 RECEIVER FLEX HARNESS, ZIP, P2 1

19 33705-000 ZIPTIE MOUNT, P2 1

18 02308-000 COTS, CABLE TIE, 3.5", 10LB, FINE ADJUSTMENT 3

17 05019-000 HEAT SHRINK, 1/2IN, CLEAR, 1CM 1

16 00785-000 COTS, M2.5, 6MM, BHS 4

15 40172-000 PEM CAP, TAIL NODE, ZIP, P2 2

14 30380-000 POTTING, LIHSI SFR-3101BK 1

13 39944-000 SPACER, TAIL NODE TO MIXED BUSBAR, ZIP, P2 1

12 40197-000 RTV, DOWSIL 3165 1

11 07257-000 COTS, ADHESIVE, CYANOACRYLATE, GAP FILLING 1

10 36814-000 COTS, ADHESIVE, CA GLUE, FOAM SAFE 1

9 40947-000 TAPE SQUARE, BITS KIT, ZIP, P2 4

8 41023-000 TAPE RECTANGLE, BITS KIT, ZIP, P2 1

PHANTOM ASSY: BUY PARTS NESTED WITHIN 7 40901-000 BUMPER KIT, ZIP, P2 1

6 39252-000 4 PIN CONNECTOR DELETE PLUG, ZIP, P2 6

5 39410-000 DAA CAP WITH O-RING, ZIP, P2 2

4 40557-000 TOP COVER ASSEMBLY, HOVER POD FAIRINGS, BITS KIT, ZIP, P2 4

3 44119-000 COTS, WASHER, 4MM ID, 9.5MM OD, STAINLESS STEEL 16

2 4