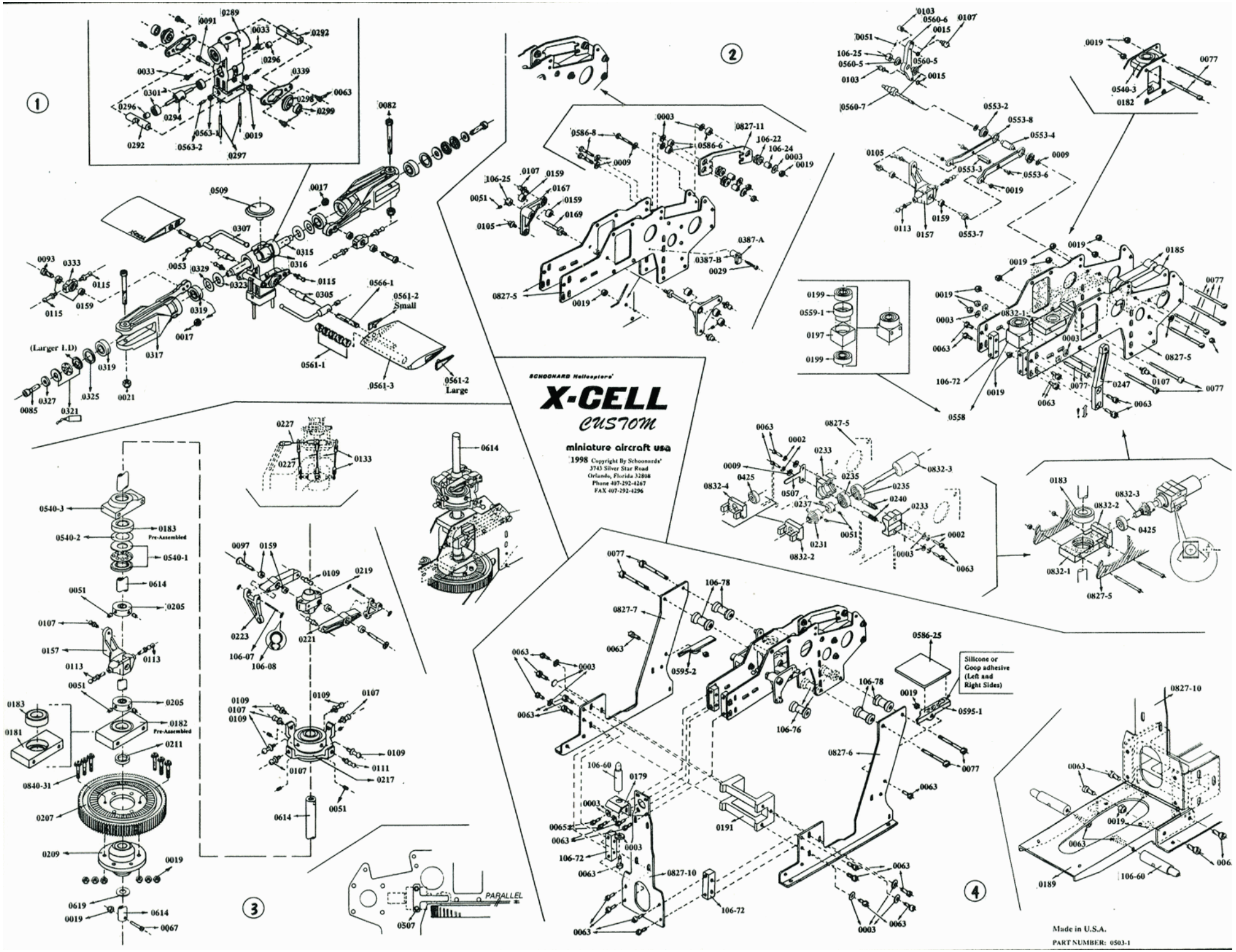
SCHOONARD Helicopters
X-CELL
CUSTOM
miniature aircraft usa
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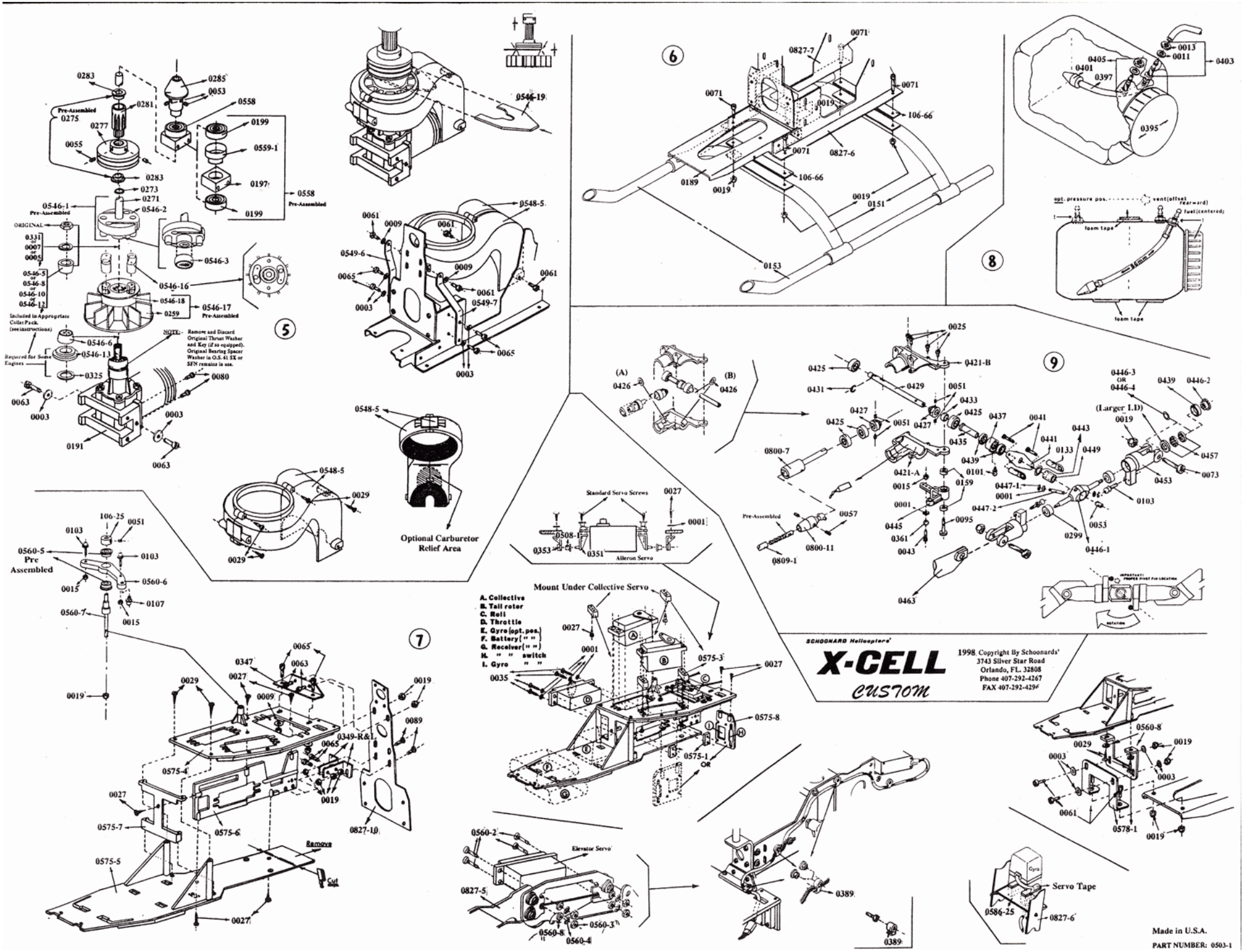
3743 Silver Star Road
Orlando, Florida 32808
Phone 407-292-4267
FAX 407-292-4296
Silicone or Goop adhesive (Left and Right Sides)
PARALLEL
Made in U.S.A.
PART NUMBER: 0503-1


5
6
7
8
9
Pre-Assembled
ORIGINAL
NOTE:- Remove and Discard Original Thrust Washer and Key (if so equipped). Original Bearing Spacer Washer in O.S. 41 SX or SFN remains in use.
Included in Appropriate Collet Pack. (see instructions)
Required for Some Engines
Optional Carburetor Relief Area
Standard Servo Screws
Aileron Servo
Mount Under Collective Servo
A. Collective
B. Tail rotor
C. Roll
D. Throttle
E. Gyro (opt. pos.)
F. Battery (" ")
G. Receiver (" ")
H. " " switch
I. Gyro " "
Elevator Servo
Remove
Cut
Servo Tape
Gyro
foam tape
opt. pressure pos.
vent (offset rearward)
fuel (centered)
(Larger I.D)
IMPORTANT! PROPER PIVOT PIN LOCATION
ROTATION
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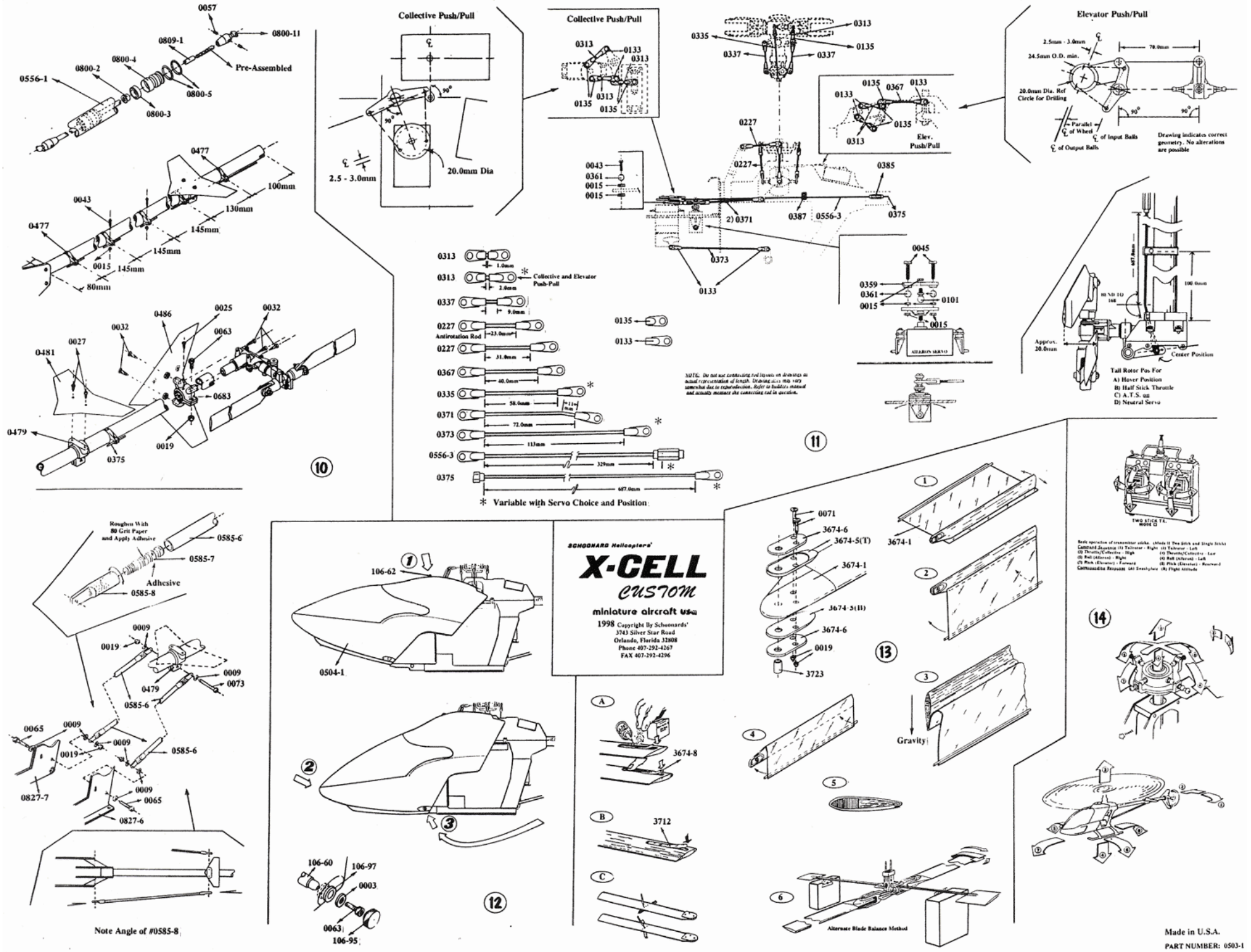
0057
0809-1
0800-11
0800-4
0800-2
0556-1
Pre-Assembled
0800-5
0800-3
0477
100mm
0043
130mm
0477
145mm
145mm
0015
145mm
80mm
0025
0032
0486
0032
0063
0027
0481
0683
0479
0019
0375
10
Collective Push/Pull
90°
90°
2.5 - 3.0mm
20.0mm Dia
Collective Push/Pull
0313
0133
0313
0135
0313
0135
0335
0313
0337
0135
0337
0135
0367
0133
0133
0135
0313
Elev.
Push/Pull
0227
0043
0361
0015
0015
0227
0385
2) 0371
0387
0556-3
0375
0373
0133
0313
1.0mm
0313
Collective and Elevator
Push-Pull
2.0mm
0337
9.0mm
0227
Antirotation Rod
23.0mm*
0227
31.0mm
0367
40.0mm
0335
58.0mm
0371
72.0mm
0373
113mm
0556-3
329mm
0375
687.0mm
* Variable with Servo Choice and Position
0135
0133
NOTE: Do not use connecting rod layouts on drawings as actual representation of length. Drawing sizes may vary somewhat due to reproduction. Refer to builder's manual and actually measure the connecting rod in question.
0045
0359
0361
0015
0101
0015
AILERON SERVO
11
Elevator Push/Pull
2.5mm - 3.0mm
24.5mm O.D. min.
70.0mm
20.0mm Dia. Ref
Circle for Drilling
90°
90°
Parallel
℄ of Wheel
℄ of Input Balls
℄ of Output Balls
Drawing indicates correct
geometry. No alterations
are possible
Approx.
20.0mm
BEND TO
168
100.0mm
Center Position
Tail Rotor Pos For
A) Hover Position
B) Half Stick Throttle
C) A.T.S. on
D) Neutral Servo
Roughen With
80 Grit Paper
and Apply Adhesive
0585-6
0585-7
Adhesive
0585-8
0009
0019
0009
0073
0479
0585-6
0065
0009
0009
0585-6
0019
0009
0827-7
0065
0827-6
Note Angle of #0585-8
106-62
1
0504-1
2
3
106-60
106-97
0003
0063
106-95
12
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CUSTOM
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A
3674-8
B
3712
C
0071
3674-6
3674-5(T)
3674-1
3674-5(II)
3674-6
0019
3723
13
1
3674-1
2
3
Gravity
4
5
6
Alternate Blade Balance Method
14
Made in U.S.A.
PART NUMBER: 0503-1