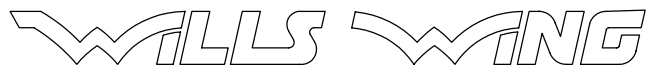
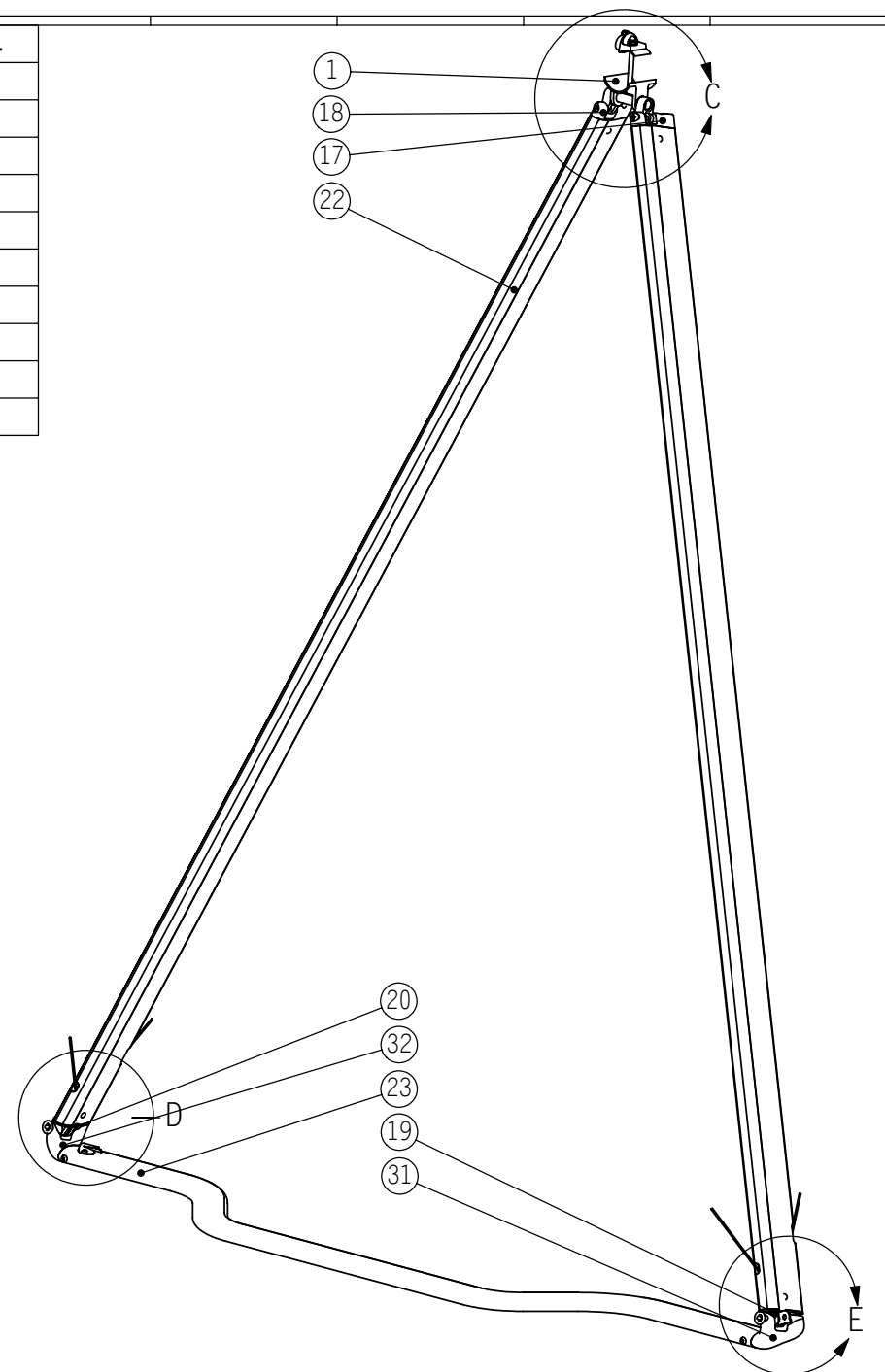


ITEM	Part No	Description	QTY.
1	20G-1613	BRACKET KEEL CNTR FALCON 52	1
17	20G-1476	CB PLUG SLIPSTRM LEG TOP LEFT	1
18	20G-1477	CB PLUG SLIPSTRM LEG TOP RIGHT	1
19	20G-1486	CB PLUG SLIPSTRM LEG BOTTOM LT	1
20	20G-1487	CB PLUG SLIPSTRM LEG BOTTOM RT	1
22	40G-1451	SLIPSTREAM LEG 65 W/O BRKTS (T140)	2
22	40G-1441	SLIPSTREAM LEG 68 W/O BRKTS (T150 T160)	2
23	40F-1511	BASETUBE ALUM SLPSTRM NO BRKTS	1
31	20G-1841	Alum Strm Btube Brkt 6-15 Lt	1
32	20G-1842	Alum Strm Btube Brkt 6-15 Rt	1



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TITLE:
Talon Slipstream Control Bar Assembly

SLDDWF ID:
Talon Slipstream

DOCUMENT ID:

DRAWN:
10/7/2003

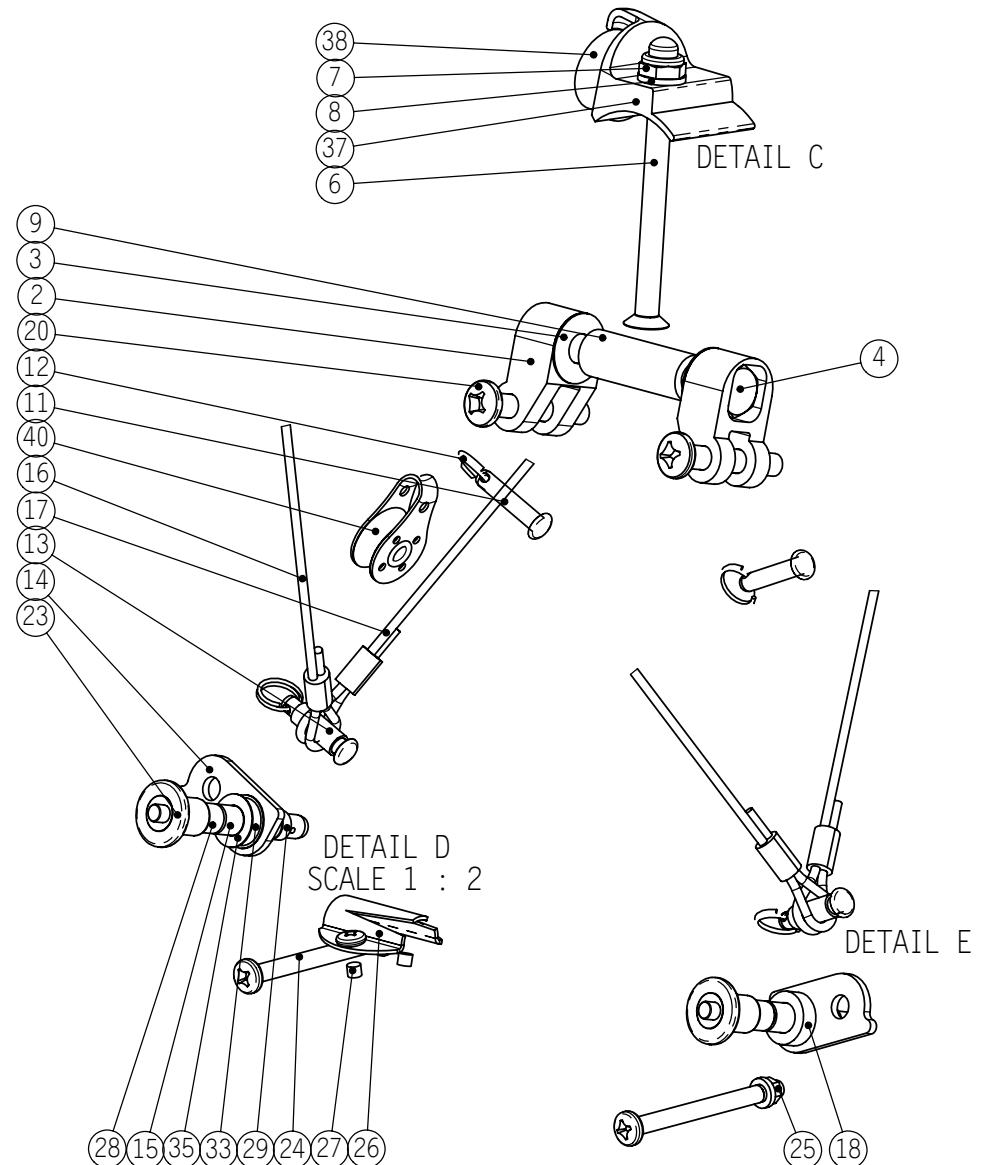
REVISED:
3/30/2004

STATUS:
-

BY:
PEARSON

REVISION:
C

ID	Part No	Part Name	QTY
2	20G-1712	CBAR ELBOW AT TOP STREAM	2
3	10U-5125	WASHER NYLON .75 X .316 X .020	2
4	10A-3261	AN5-26A	1
5	10N-1030	LOCKNUT 5/16 AN365-5	1
6	10C-2391	NAS517-439	1
7	10N-0040	LOCKNUT LOW PRO 52NKTE-048	1
8	10U-1140	WASHER STEEL AN960-416 1/4 THICK	1
9	10T-1133	SPACER AL .5 X .083 X 1.42	1
11	10G-1250	MS20392-2C25	4
12	10P-1100	SAFETY RING AN 9491 SMALL	4
13	10T-1102	SPACER AL .250 X .028 X .615	2
14	40P-3105	WIRE BOTTOM SIDE SLIPSTREAM	2
15	10T-4120	BUSH SS .3115 X .028 X .850	2
16	40P-3302	WIRE SET BOTTOM REAR SLIPSTREAM	2
17	40P-3203	WIRE SET BOTTOM FRONT SLIPSTREAM	2
18	10T-5103	SPACER NY .560 X .320 X .187	1
20	10C-5181	NAS623-4-18	2
23	10K-3133	PIN BALL LOCK 1/4 X 33MM GRIP	2
24	10C-4301	NAS623-3-30	2
25	10N-1730	CLINCH NUT 3/16 MS20142-3	2
26	20C-1802	JAMCLEAT VCUT SMALL SS	1
27	10M-1651	SCREW PAN 8-32 X .375 THRD CUT	2
28	10T-4113	BUSH SS .312 X .028 X .240	2
29	10T-4114	BUSH SS .312 X .028 X .125	2
33	20P-1270	BEARING .5 OD .312 ID .156 TH.SLDPRT	1
35	10U-5095	WASHER NYLON .560 X .320 X .013	2
37	20G-1510	Bracket, VG Pulley Keel Mount	1
38	20P-1230	PULLEY HARKN SHEAVE TOP LEG VG	1
39	10B-1101	AN23-10A	1
40	20P-1201	PULLEY RONSTAN #666	1
41	10U-8020	WASHER STEEL EXTRNL TOOTH #10 ZINC PLATED	2



WILLS WING

500 BLUERIDGE AVE • ORANGE, CA 92865 • PH/FAX (714) 998-6359 / 998-0647

TITLE:

Talon Slipstream Control Bar Assembly

SLDDWF ID:

Talon Slipstream

DOCUMENT ID:

DRAWN:

10/7/2003

REVISED:

3/30/2004

STATUS:

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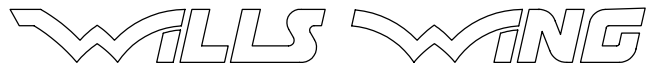
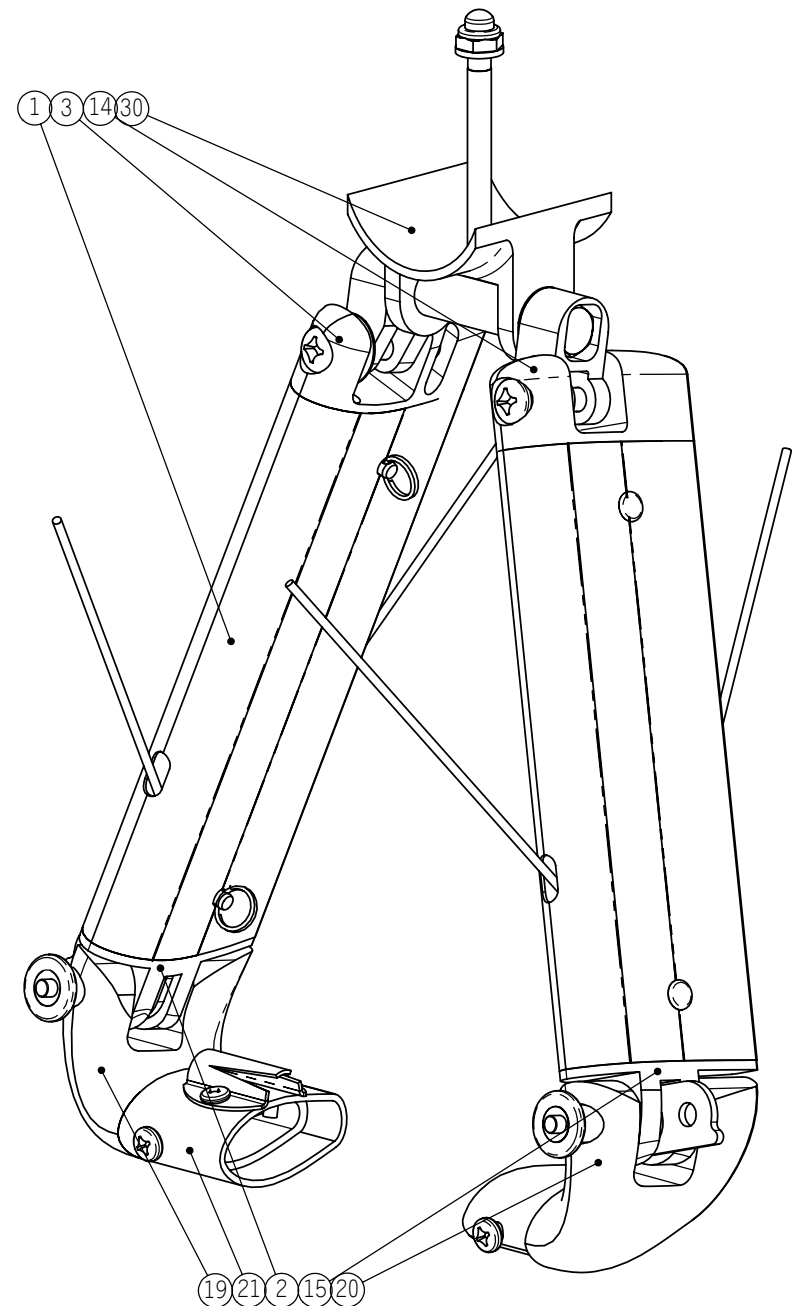
BY:

PEARSON

REVISION:

C

ID	Part No	Part Name	QTY.
1	40G-1474	LITESTREAM LEG 68 W/O BRKTS (U2 160/T150)	2
1	40G-1471	LITESTREAM LEG 65 W/O BRKTS (U2 145/T140)	2
2	20G-1489	CB Plug Litestream Leg Bottom Right	1
3	20G-1479	CB Plug Litestream Leg Top Right	1
14	20G-1478	CB Plug Litestream Leg Top Left	1
15	20G-1488	CB Plug Litestream Leg Bottom Left	1
19	20G-1844	Litestream Basetube Bracket Right	1
20	20G-1843	Litestream Basetube Bracket Left	1
21	40F-1511	BASETUBE ALUM SLPSTRM NO BRKTS	1
30	20G-1613	BRACKET KEEL CNTR FALCON 52	1



500 BLUERIDGE AVE • ORANGE, CA 92865 • PH/FAX (714) 998-6359 / 998-0647

TITLE:

Talon Litestream Control Bar Assembly

SLODWF ID:

Talon Litestream C

DOCUMENT ID:

DRAWN:

NA

REVISED:

3/30/2004

STATUS:

-

REVISION:

C

BY:

PEARSON

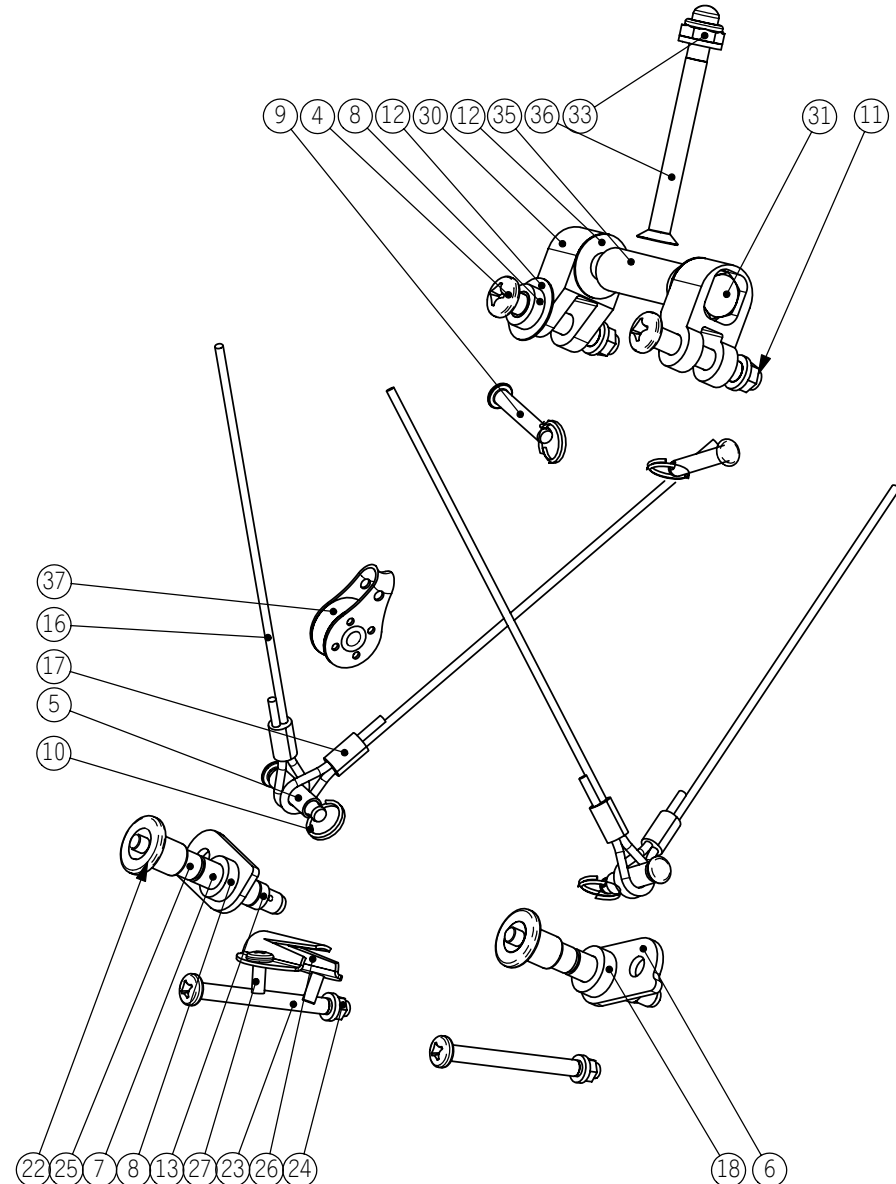
ID	Part No	Part Name	QTY
4	10C-5211	NAS623-4-21	2
5	10T-1103	SPACER AL .250 X .028 X .770	2
6	40P-3105	WIRE BOTTOM SIDE SLIPSTREAM	2
7	10T-4120	BUSH SS .3115 X .028 X .850	2
8	20P-1270	BEARING .5 OD .312 ID .156 TH.SLDPRT	2
9	10G-1290	MS20392-2C29	4
10	10P-1100	SAFETY RING AN 9491 SMALL	4
11	10N-1740	CLINCH NUT 1/4 MS21042-4	2
12	10U-5125	WASHER NYLON .75 X .316 X .020	3
13	10T-4114	BUSH SS .312 X .028 X .125	3
16	40P-3203	WIRE SET BOTTOM FRONT SLIPSTREAM	1
17	40P-3302	WIRE SET BOTTOM REAR SLIPSTREAM	1
18	10T-5103	SPACER NY .560 X .320 X .187	1
22	10K-3133	PIN BALL LOCK 1/4 X 33MM GRIP	2
23	10C-4301	NAS623-3-30	2
24	10N-1730	CLINCH NUT 3/16 MS20142-3	2
25	10T-4113	BUSH SS .312 X .028 X .240	2
26	20C-1802	JAMCLEAT VCUT SMALL SS	1
27	10M-1651	SCREW PAN 8-32 X .375 THRD CUT	2
30	20G-1712	CBAR ELBOW AT TOP STREAM	2
31	10A-3261	AN5-26A	1
32	10N-1030	LOCKNUT 5/16 AN365-5	1
33	10N-0040	LOCKNUT LOW PRO 52NKTE-048	1
34	10U-1140	WASHER STEEL AN960-416 1/4 THICK	1
35	10T-1133	SPACER AL .5 X .083 X 1.42	1
36	10C-2341	NAS517-434	1
37	20P-1201	PULLEY RONSTAN #666	1

3/30/2004 Assembly Notes:

Item 25,13 permanent press fit in Basetube Brackets

Item 7 removeable fit in bottom leg plug. Front side of bushing is knurled for tight fit. Install from front to rear. Retains sidewire, VG bearing, washers and spacers.

Item 5 slip fit assembly aid for FR-RR wires in bottom leg plug.



WILLS WING

500 BLUERIDGE AVE • ORANGE, CA 92865 • PH/FAX (714) 998-6359 / 998-0647

TITLE:

Talon Litestream Control Bar Assembly

REVISION:

C

SLDWF ID:

Talon Litestream C

DOCUMENT ID:

DRAWN:

NA

REVISED:

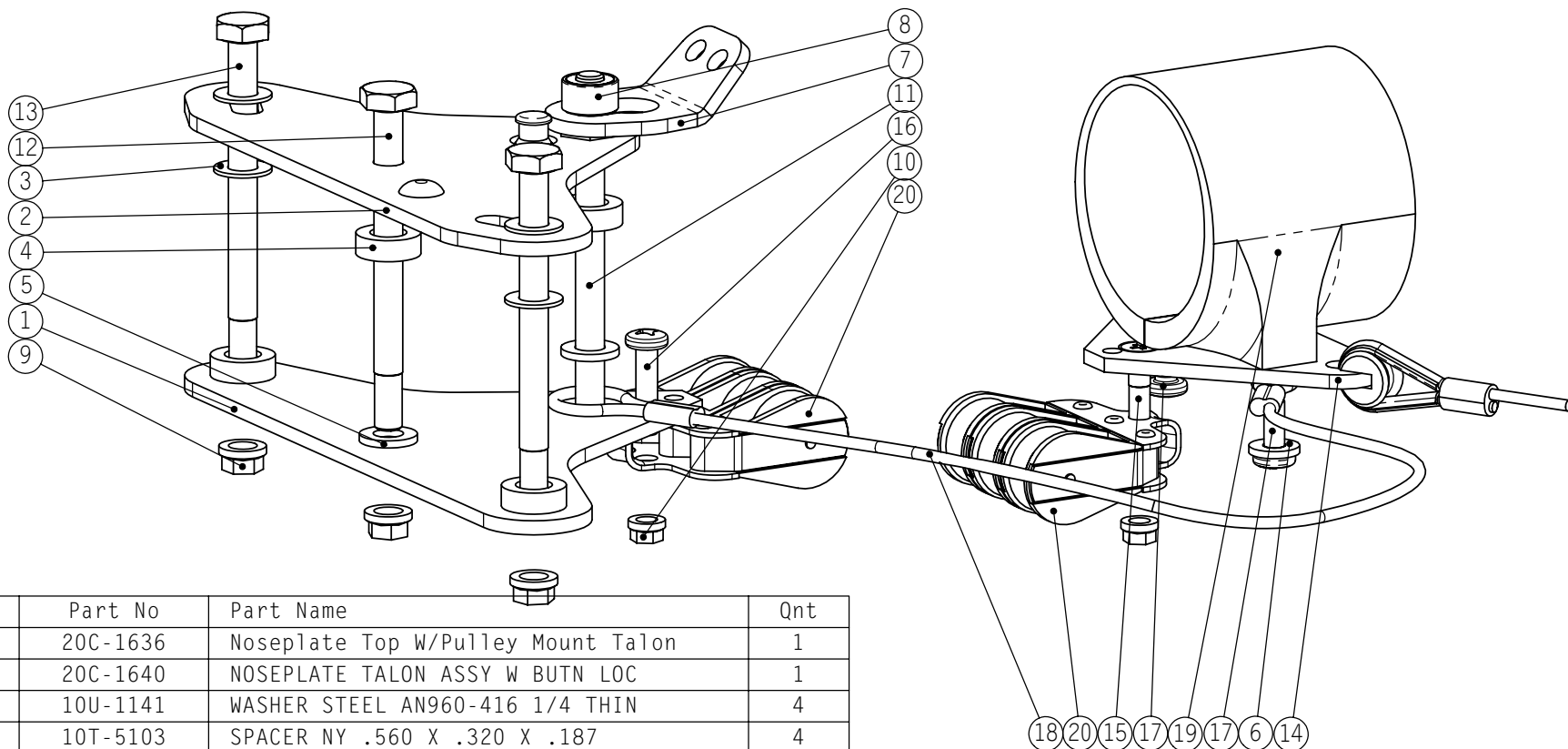
3/30/2004

STATUS:

-

BY:

PEARSON



ID	Part No	Part Name	Qnt
1	20C-1636	Noseplate Top W/Pulley Mount Talon	1
2	20C-1640	NOSEPLATE TALON ASSY W BUTN LOC	1
3	10U-1141	WASHER STEEL AN960-416 1/4 THIN	4
4	10T-5103	SPACER NY .560 X .320 X .187	4
5	10U-1140	WASHER STEEL AN960-416 1/4 THICK	2
6	10U-1130	WASHER STEEL AN960-10	1
7	40P-3203	WIRE SET BOTTOM FRONT SLIPSTREAM	1
8	20G-2905	COLLAR LOPRO KEYHOLE TANG NOSE ASSY	1
9	10N-1740	CLINCH NUT 1/4 MS21042-4	3
10	10N-1730	CLINCH NUT 3/16 MS20142-3	2
11	10A-2311	AN4-31A	1
12	10A-2271	AN4-27A	1
13	10A-2301	AN4-30A	2
14	40P-5102	Wire VG Cam Lever Set	1
15	10C-1151	BOLT NAS 517-3-5	1
16	10C-4081	NAS623-3-8	1
17	10L-1061	SCREW PAN 3/16 MS35207-263	2
18	40P-5120	WIRE VG SLED LIMITER	1
19	15J-3031	CAM VG KEEL SLED UHMW	1
20	20P-1250	PULLEY RONSTAN TRIPLE NO BECKT	2

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TITLE:
Talon 2002 Noseplate

SLDDWF ID:
noseplate

DOCUMENT ID:

DRAWN:

REVISED:
3/30/2004

STATUS:

BY:
PEARSON

REVISION:
B

February 10, 2003

Talons configured with Litestream and Slipstream control bars require different keel mounted VG cord redirection pulleys. The wires are interchangeable.

Slipstream

20G-1510 BRACKET VG PULLEY KEEL MOUNT

10C-2391 NAS517 4-39

Litestream

20P-1237 PULLEY HARKN 16mm AIRBLOCK CHEEKBLOCK

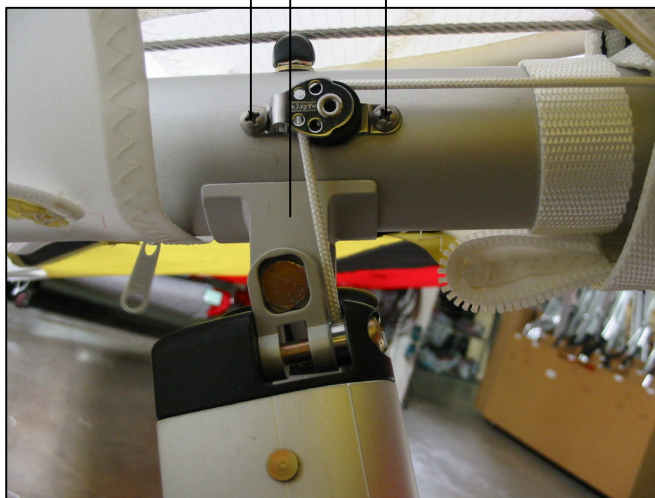
10M-1651 SCREW PAN 8-32 X .375 THRD CUT

USE 1/8 DRILL FOR PILOT HOLES

10C-2341 NAS517 4-34

Drill the rear hole for the cheekblock on the side of the keel 3/8IN back from the hole position of the vertical hole anchoring the control bar keel bracket. Mount the pulley to the keel. Use the front hole of the cheek block as a guide to start the second mounting hole in the keel. After the hole position is established, swing the cheek block out of the way and complete the hole. Install the second mounting screw.

.375 → 1.457 in [37mm]



WILLS WING

500 BLUERIDGE AVE · ORANGE · CA · 92665 · PH/FAX (714) 998-6359 / 998-0647

TITLE:

LiteStream Keel Pulley

PART NO:

Part No.

DWG ID:

Dwg ID

DOCUMENT ID:

Document ID

MATERIAL:

NA

DRAWN:

2-10-2003 sp

SCALE:

NA

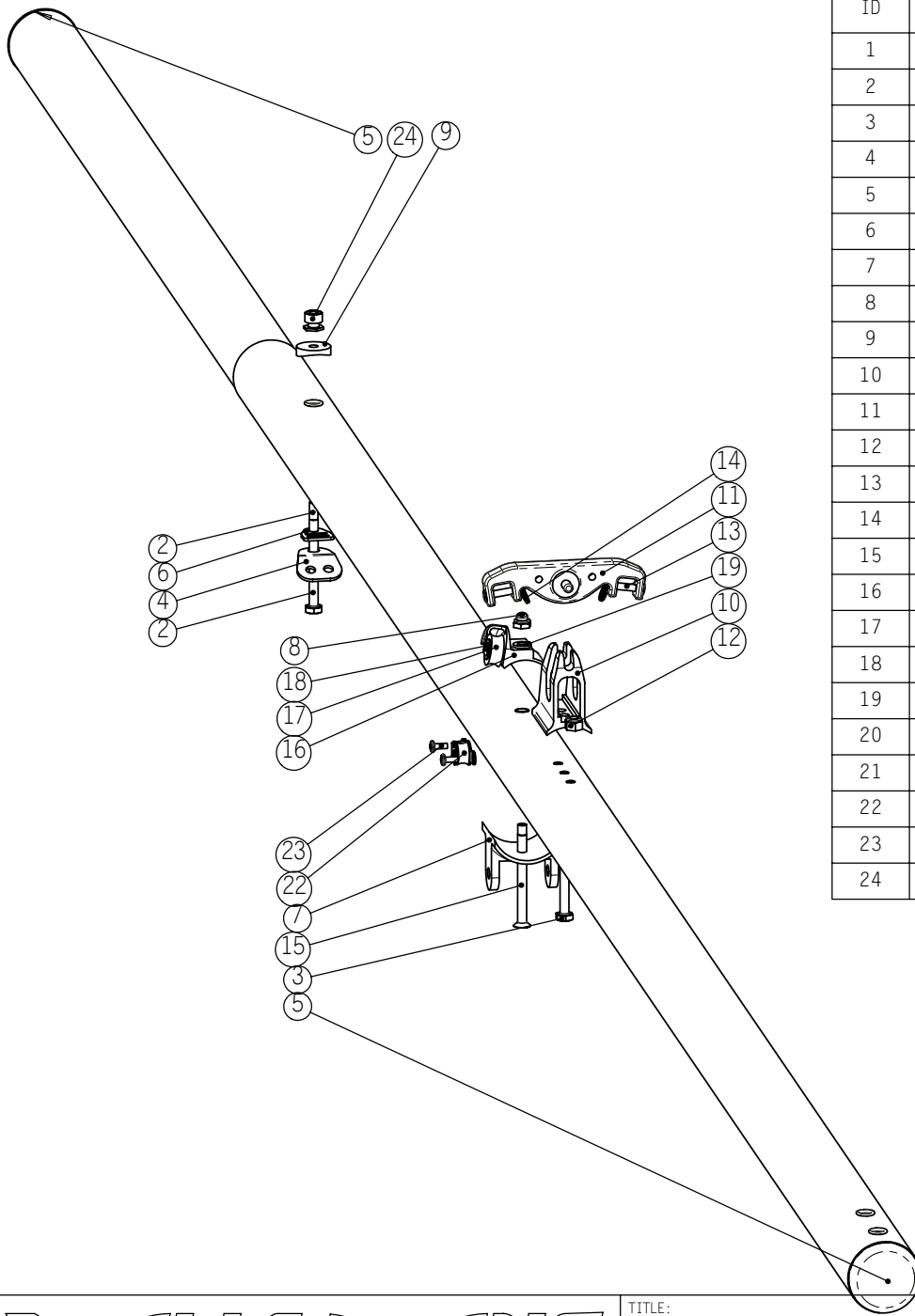
T.U.S. .X ± .05

.XX ± .015

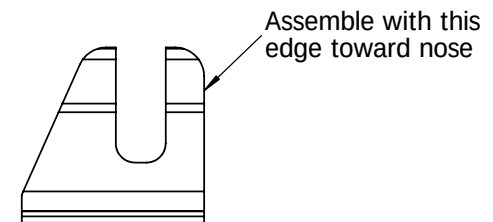
.XXX ± .003

.XXXX ± .0005

ANGLES ± 1/2°



ID	Part No	Part Name	Slipstrm	Litestrm
1	40B-1201	Talon 140 Keel	1	1
2	10A-2301	AN4-30A	1	1
3	10A-2241	AN4-24A	1	1
4	40P-3302	WIRE SET BTM REAR SLPSTR-LTSTR	1	1
5	15B-2013	ENDCAP 2.0 IN MULTIGAUGE	2	2
6	20E-2321	TANG 1 HOLE 2 SLOT 5/8 WEBBING	1	1
7	20G-1613	BRACKET KEEL CNTR FALCON 52	1	1
8	10N-0040	LOCKNUT LOW PRO 52NKTE-048	1	1
9	15F-1602	STAND-OFF 1/8	1	1
10	20G-2831	BASE, PILLAR KP HANG	1	1
11	20G-2822	Spreader Bar, Pillar Hang / Web	1	1
12	10N-1020	LOCKNUT 1/4 AN365-428	1	1
13	10G-1310	MS20392-2C31	2	2
14	10P-1100	SAFETY RING AN 9491 SMALL	2	2
15	10C-2391	NAS517-439	1	-
16	20G-1510	Bracket, VG Pulley Keel Mount	1	-
17	20P-1230	PULLEY HARKN SHEAVE TOP LEG VG	1	-
18	10B-1101	AN23-10A	1	-
19	10U-1140	WASHER STEEL AN960-416 1/4 THICK	1	-
20	45J-2001	HANG LOOP SET FUS/TALON STOCK	1	1
21	10C-2341	NAS517-434	-	1
22	20P-1237	PULLEY HARKN 16mm AIRBLOCK CHEEKBLOCK	-	1
23	10M-1651	SCREW PAN 8-32 X .375 THRD CUT	-	2
24	20G-2905	KEYHOLE COLLAR NUT ASSY	1	1



WILLS WING

500 BLUERIDGE AVE • ORANGE, CA 92865 • PH/FAX (714) 998-6359 / 998-0647

TITLE:
Talon 2002 Keel

SLDWF ID:
Talon Keel

DOCUMENT ID:

DRAWN:
3/30/2004

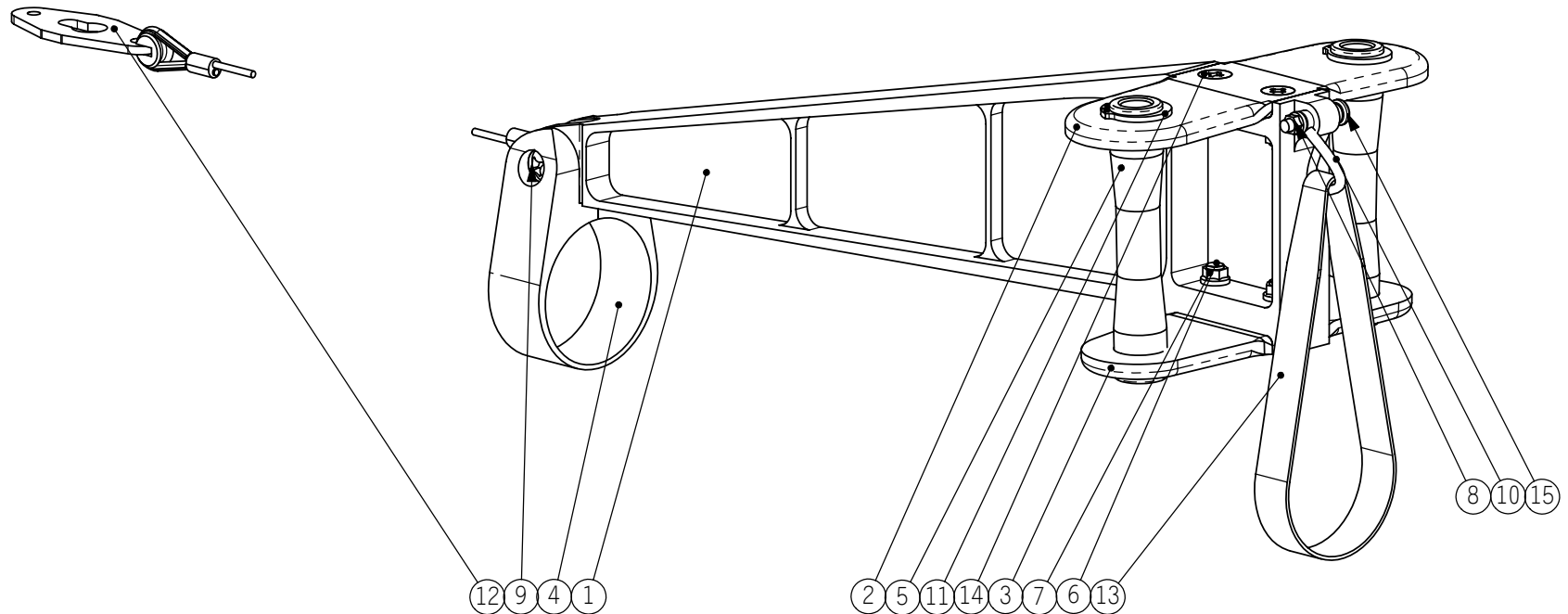
REVISED:
10/5/2004

STATUS:
Released

REVISION:
C

BY:
PEARSON

ID	Part No	Part Name	Qty
1	20G-4011	XBAR CENTER WEDGE TYPE 2	1
2	20C-1768	XBAR PLATE TOP CNTR RND CXBAR TYP2	1
3	20C-1764	XBAR PLATE BOTM CNTR RND CXBAR TYP2	1
4	15J-3033	XBAR WEDGE TYPE 2 KEEL SLED	1
5	10K-4060	HINGE PIN COMPOSITE XBAR TYP 2	2
6	10C-2071	NAS517-4-7	2
7	10N-1740	CLINCH NUT 1/4 MS21042-4	5
8	10N-1730	CLINCH NUT 3/16 MS20142-3	1
9	10C-5181	NAS623-4-18	1
10	20P-1341	SHACKLE - SS FORGED HALF TWIST	1
11	10S-1110	C-CLIP FUSION XBAR PIN	4
12	40P-4208	WIRE FUSION - TALON XBAR SWEEP	1
13	45K-1314	XBAR STRAP FRONT WEDGE HOLD DOWN	1
14	10C-2051	NAS517-4-5	2
15	10C-4121	NAS623-3-12	1



WILLS WING

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TITLE:

Talon 2002 Keel Beam Assembly

SOLDWF ID:

Keel Beam Assy

DOCUMENT ID:

DRAWN:

REVISED:

3/30/2004

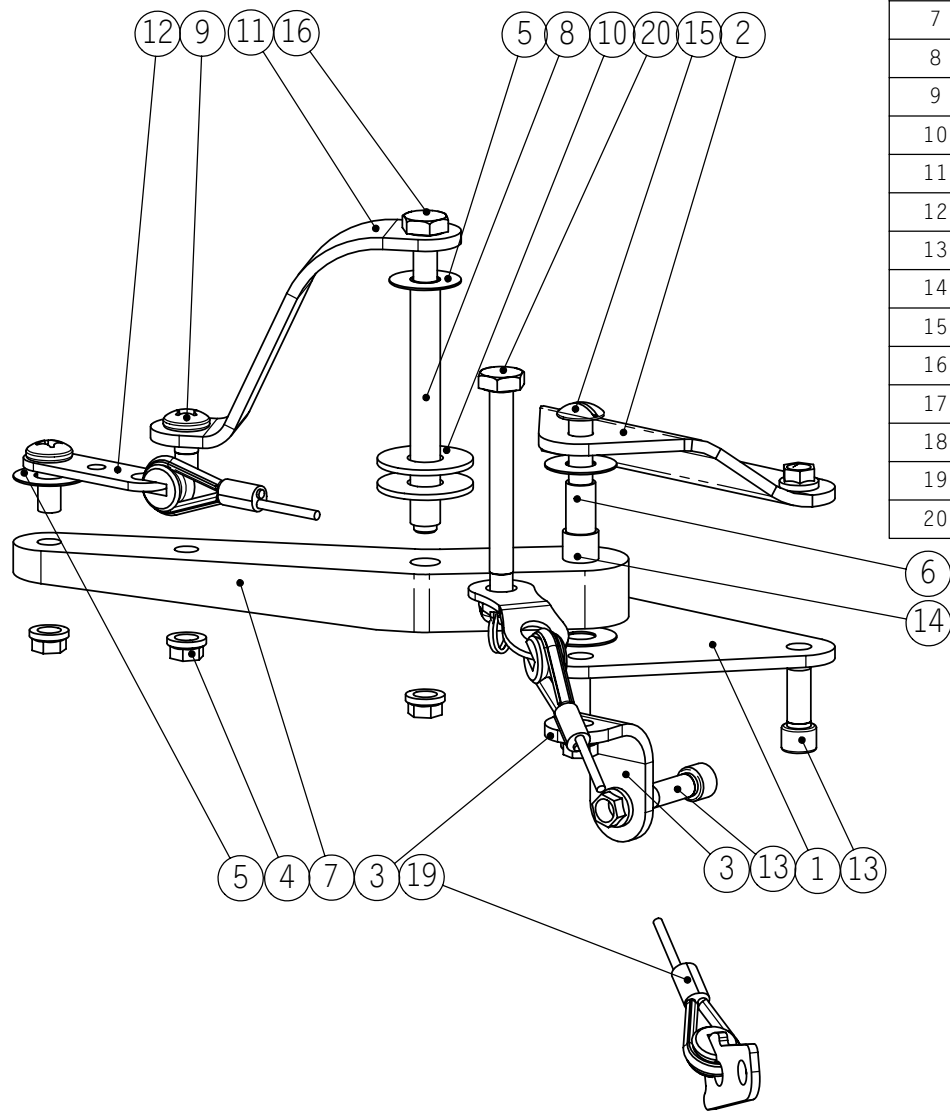
STATUS:

REVISION:

B

BY:

PEARSON



ID	Part No	Part Name	Qty
1	20C-1782	Cam Lever Top Plate Flat	1
2	20C-1781	Cam Lever Top Plate Bent	1
3	20C-1783	Cam Lever Support Bent Plate	1
4	10N-1740	CLINCH NUT 1/4 MS21042-4	7
5	10U-5125	WASHER NYLON .75 X .316 X .020	4
6	10T-3050	SPACER SS .310 X .028 X .675	1
7	20G-3151	Cam VG Lever - Left	1
8	10T-3055	SPACER SS .310 X .028 X 2.625	1
9	10C-5041	NAS623-4-4	2
10	10U-5166	WASHER NYLON 1.00 X .375 X .06	2
11	20C-1757	Support Strap Cam Plate 2.3 XB	1
12	40P-5102	WIRE VG CAM LEVER SET	1
13	10K-2031	SCREW SOCKET CAP SS 1/4x28x5/8	3
14	10T-7112	BUSH BRONZE .376 * .313 * .625	1
15	10B-2201	AN24-20A	1
16	10A-2321	AN4-32A	1
17	10N-1340	CASTLE NUT 1/4 AN310-4	1
18	10P-1100	SAFETY RING AN 9491 SMALL	1
19	40P-3105	WIRE BTM SIDE SLIPSTRM-LITESTR	1
20	10A-2240	AN4-24	1

WILLS WING

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TITLE:

Talon 2002 Cam VG Assembly

SLDOWF ID:

Cam VG Lever

DOCUMENT ID:

DRAWN:

REVISED:

3/30/2004

STATUS:

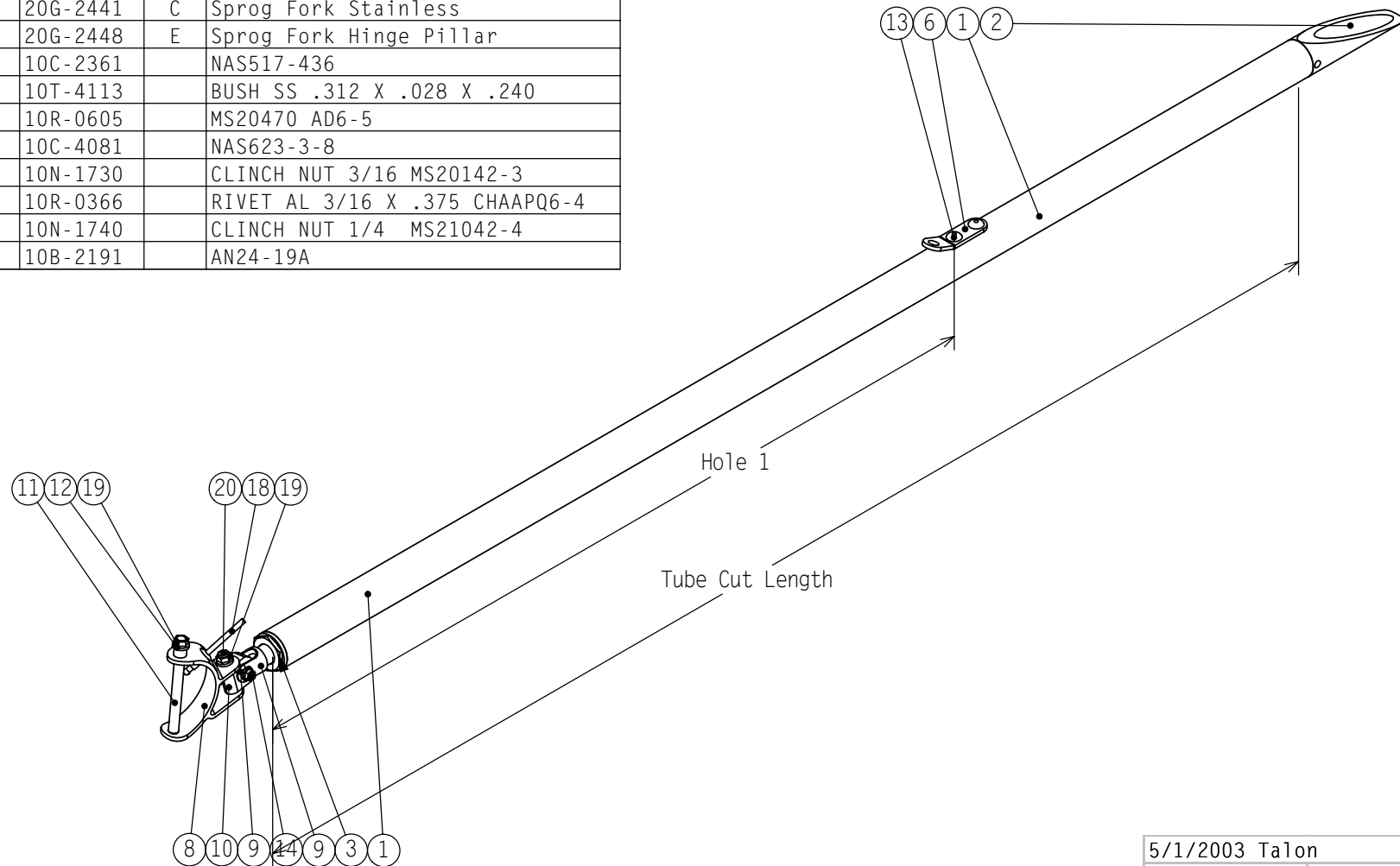
BY:

PEARSON

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B

Item	Qty	Part No	Rev	Part Name
1	1	35C-2511		TUBE 1.0" * .042" AN 7075T6
2	1	15J-2301	D	SPROG REAR END PADDLE 98
3	1	10N-3010	A	Nut Sprog Adjustment
4	1	20G-2446	B	SPROG THREADED ADJUSTER 98
6	1	20E-2307	A	TANG 3 HOLE BENT SPROG CABLE
8	1	20G-2452	C	BRACKET LE SPROG HINGE 52 RIGHT
9	1	20G-2441	C	Sprog Fork Stainless
10	1	20G-2448	E	Sprog Fork Hinge Pillar
11	1	10C-2361		NAS517-436
12	1	10T-4113		BUSH SS .312 X .028 X .240
13	2	10R-0605		MS20470 AD6-5
14	1	10C-4081		NAS623-3-8
17	1	10N-1730		CLINCH NUT 3/16 MS20142-3
18	1	10R-0366		RIVET AL 3/16 X .375 CHAAPQ6-4
19	2	10N-1740		CLINCH NUT 1/4 MS21042-4
20	1	10B-2191		AN24-19A



5/1/2003 Talon		
Cut Length	Inner	Outer
Cable	1/8 7x7	3/32 7x7
T140	35.125	30.375
T150	36.500	30.750
T160	36.500	29.125

WILLS WING

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TITLE:
Sprog Assy 2003

SLDDWF ID:
sprog assy 2003

DOCUMENT ID:
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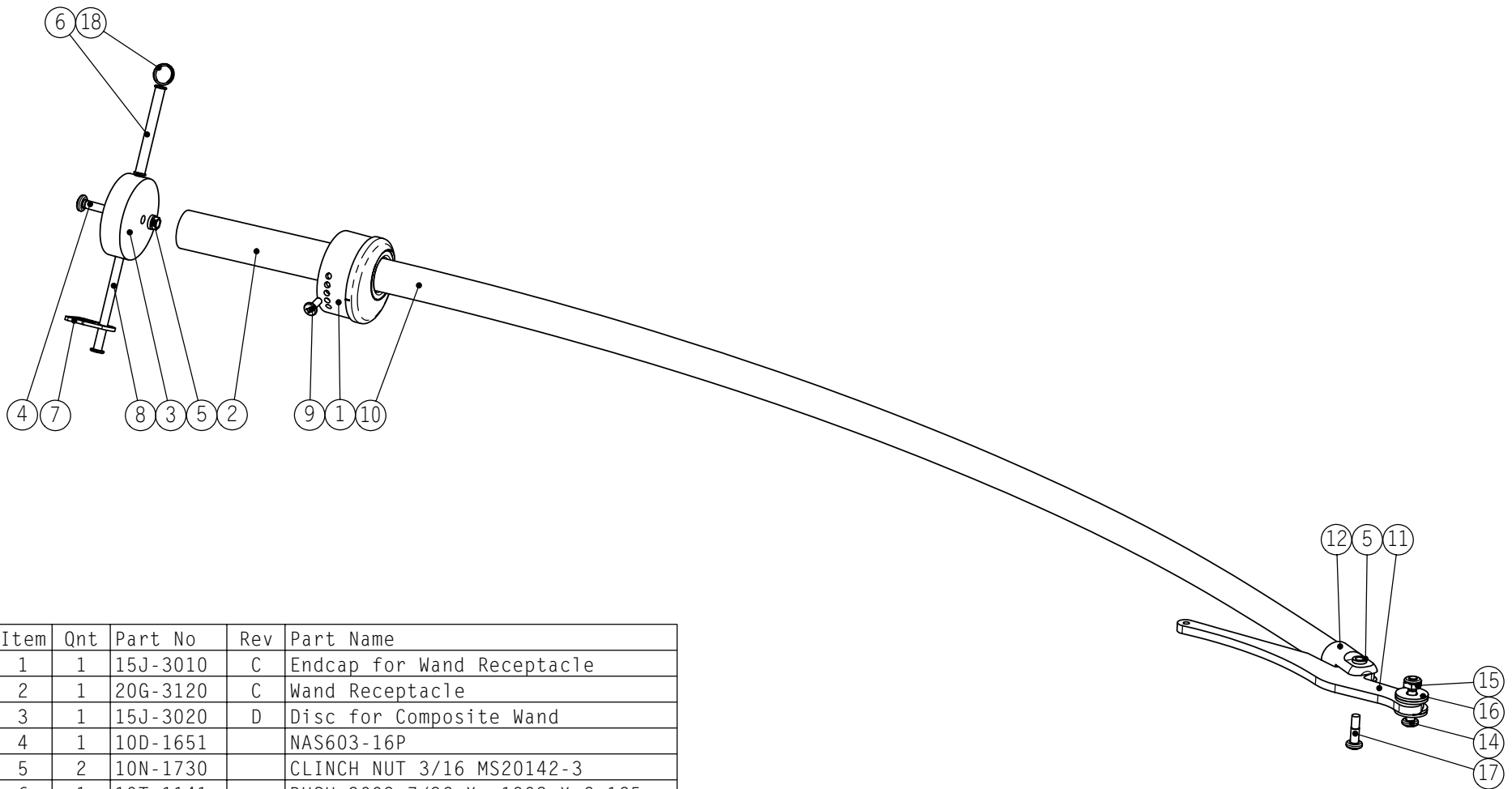
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NA

REVISED:
5/1/2003

STATUS:
NA

REVISION:
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BY:
PEARSON



Item	Qty	Part No	Rev	Part Name
1	1	15J-3010	C	Endcap for Wand Receptacle
2	1	20G-3120	C	Wand Receptacle
3	1	15J-3020	D	Disc for Composite Wand
4	1	10D-1651		NAS603-16P
5	2	10N-1730		CLINCH NUT 3/16 MS20142-3
6	1	10T-1141		BUSH 3003 7/32 X .1908 X 2.125
7	1	20E-2321		TANG 1 HOLE 2 SLOT 5/8 WEBBING
8	1	10G-1710		MS20392-2C71
9	1	10M-1651		SCREW PAN 8-32 X .375 THRD CUT
10	1	40R-7601	A	Tip Wand
11	1	20G-3140	C	Wand Lever
12	1	20G-3130	C	Wand Cup
14	1	10C-4121		NAS623-3-12
15	1	10N-1230		LOCKNUT LOWPRO 3/16 AN364-3
16	4	10U-5124		WASHER NYLON .735 X .250 X .062
17	1	10C-4061		NAS623-3-6
18	1	10P-1100		SAFETY RING AN 9491 SMALL

WILLS WING

500 BLUERIDGE AVE • ORANGE, CA 92865 • PH/FAX (714) 998-6359 / 998-0647

TITLE:
Tip Wand Assembly

SLODWF ID:
rear leading edge and wand

DOCUMENT ID:

DRAWN:
3/6/2003

REVISED:
3/17/2004

STATUS:

BY:
PEARSON

REVISION:
B