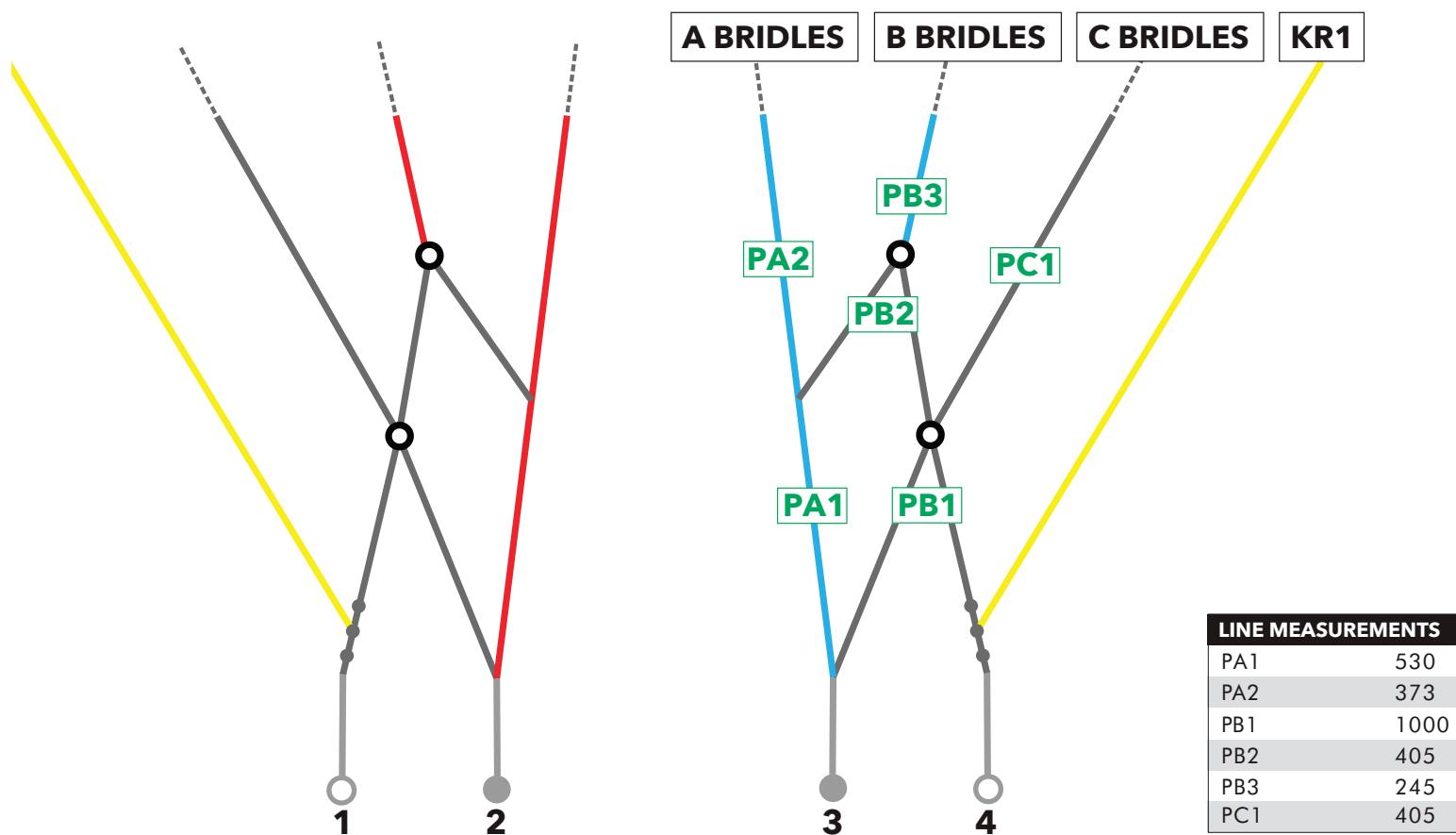


Speed System and Bridle lines should be regularly checked and maintained in the correct trim or the kite will not perform as designed.

HYPERLINK V4 SPEED SYSTEM



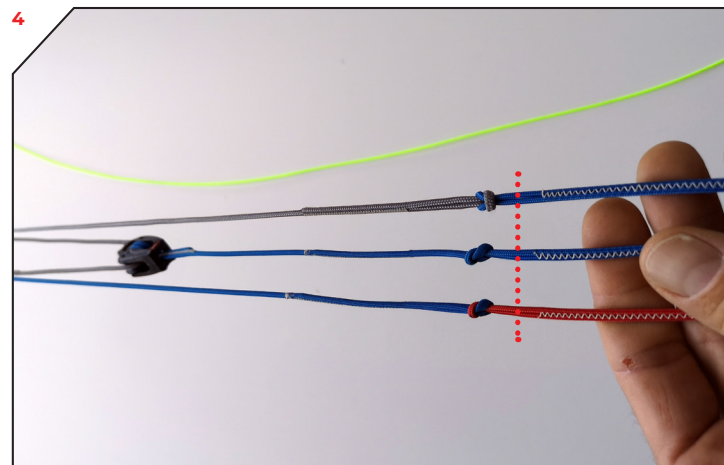
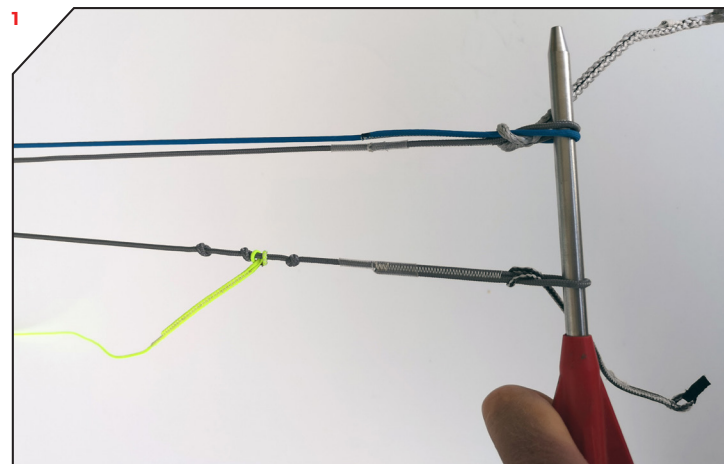
HYPERLINK^{V4}

SPEED SYSTEM 'ZERO' CHECK

Speed Systems that are worn or not to factory specification (+ or - 15mm) from the 'zero' position must be partially or completely replaced. Replacements can be ordered from your shop/dealer.

STEP-BY-STEP INSTRUCTIONS. REFER TO THE HYPERLINK V4 SPEED SYSTEM DIAGRAM AND PHOTOS.

1. Align the lower ends of the Speed System. These are lines PA1 (connected to pigtails #2 or #3), PB1 (running through the lower pulley connecting to pigtails #1 and #2 or #3 and #4) and KR1 (connecting to pigtails #1 or #4).
2. Ask a friend to hold the pigtails keeping the Speed System lower ends even, or use a Ground Stake (or a screw driver) through the lower ends.
3. Apply even tension through the Speed System by pulling on the A, B and C bridle line groups attached to the upper ends of PA2, PB3 and PC1 respectively.
4. The upper ends of PA2, PB3 and PC1 should each be at the same level + or - 15mm.
5. If the difference between the upper ends is more than 15mm, most likely the lines PB1 and PB2 running through the pulleys have shrunk/stretched and need replacing, or any other line is out of trim and/or damaged and needs replacing.



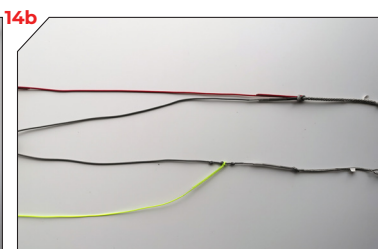
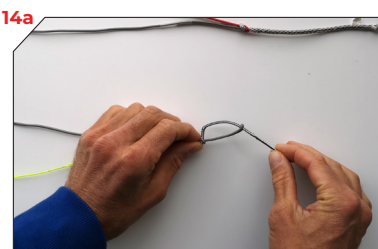
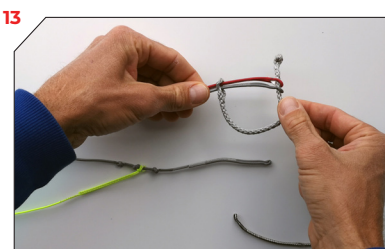
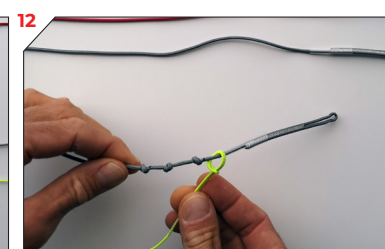
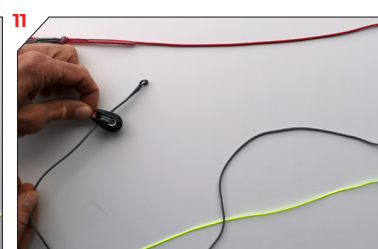
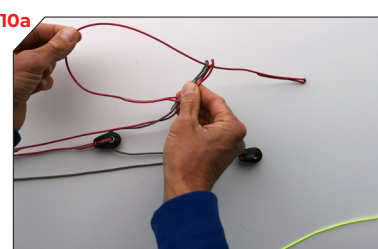
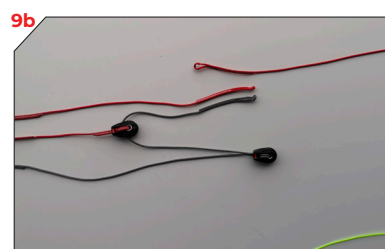
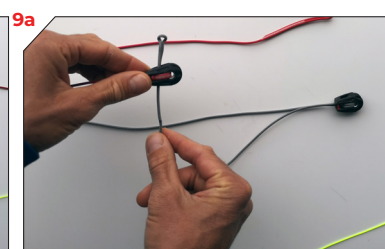
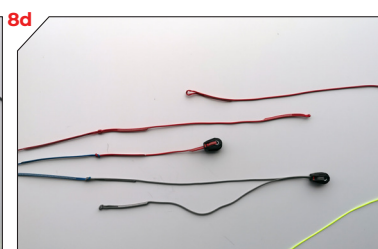
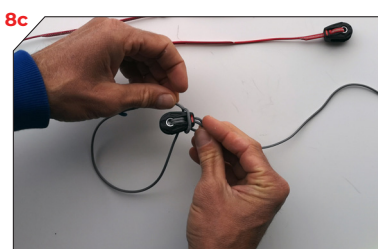
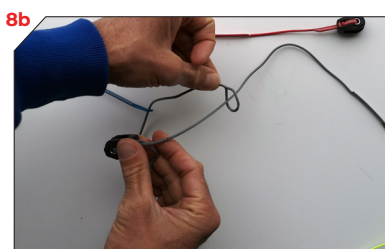
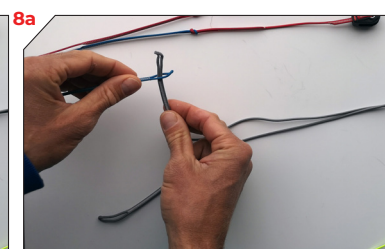
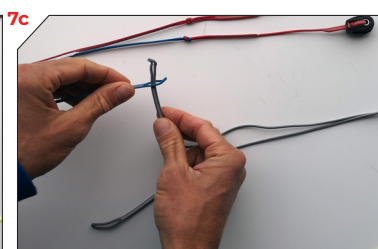
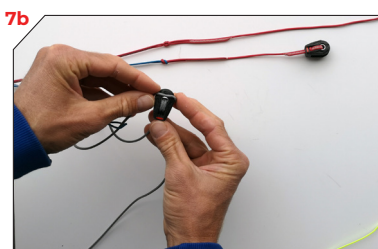
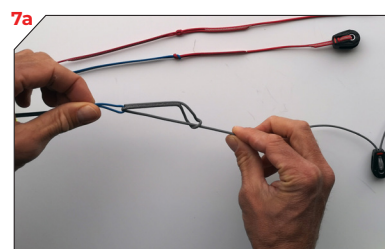
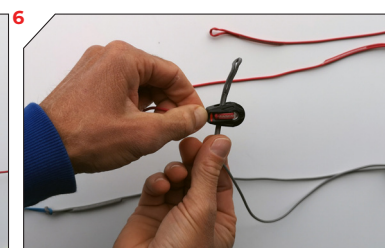
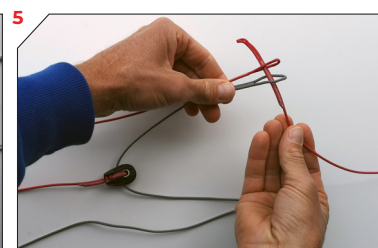
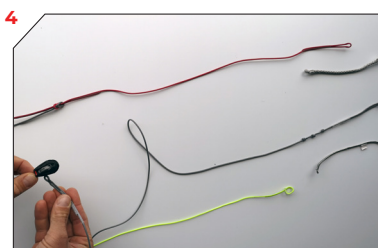
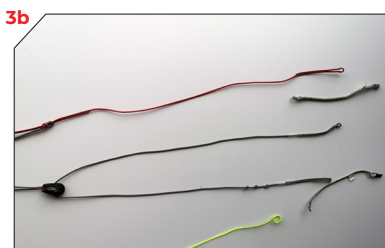
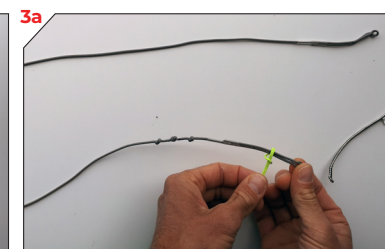
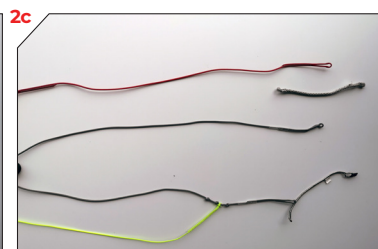
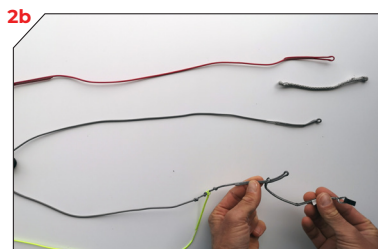
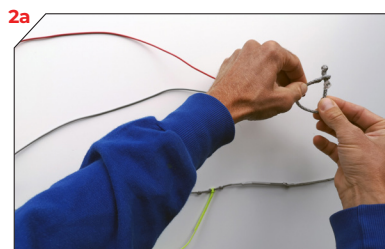
HYPERLINK^{V4}

SPEED SYSTEM PULLEY LINE REPLACEMENT

The sheathed pulley lines (PB1 & PB2/PC1) will wear over time and will need to be replaced. Make sure you check them before every session. If the Speed System lines have shrunk or stretched drastically they might be damaged. Make sure you check every single Speed System line to their specs and if necessary replace them. Replacements can be ordered from your shop/dealer.

STEP-BY-STEP INSTRUCTIONS. REFER TO THE CHRONO V4 SPEED SYSTEM DIAGRAM AND PHOTOS.

1. Disconnect the flying lines and lay the Speed System out in an open area.
2. Disconnect the front (#2 or #3) and back (#1 or #4) pigtails.
3. Remove KR1 from PB1 knot.
4. Remove PB1 from the lower pulley and discard.
5. Disconnect PA1 from PA2 and PB2.
6. Remove PB2 from the upper pulley.
7. Disconnect PB2/PC1/pulley from the C bridle - loosen the loop-to-loop connection and feed the pulley through the end loop of PC1. Discard PB2/PC1/pulley.
8. Take the replacement PB2/PC1/pulley and re-connect with the C bridle. The pulley goes through the end loop of PC1 i.e. reverse the previous steps.
9. Feed the replacement PB2 line through the upper pulley.
10. Connect replacement PB2 and PA2 with PA1.
11. Take the PB1 replacement line and feed it through the lower pulley.
12. Connect KR1 to PB1 knot.
13. Connect PB1 and PA1 to the front line pigtail (#2 or #3).
14. Connect the other end of PB1 to the back pigtail (#1 or #4).
15. Repeat the same process for the other speed system side. Always check your speed system and replace lines when excessive wear shows.



1. Open the kite out in a large space.
2. Inspect all bridle lines for wear/damage. Take note or label lines to be replaced.
3. Use a tape measure to measure the remaining bridles. Ask a friend to hold the end of the tape measure and bridle line in position to get an accurate measurement.
4. Pull on the line to add some tension and note each measurement.
5. Refer to the bridle line measurements sheet and rigging diagrams. Take note or label lines to be replaced.
6. Replace all bridle lines as necessary.

LINE	5m	7m	9m	11m	13m
A1	1189	1420	1601	1775	1934
A4	1003	1204	1360	1512	1651
A7	832	1002	1135	1267	1388
A10	590	717	817	918	1011
A11	434	541	630	714	793
A12	318	403	475	543	607
B1	1153	1376	1551	1719	1873
B4	971	1164	1315	1462	1596
B7	806	969	1098	1225	1343
B10	573	696	793	891	982
B11	426	530	618	701	779
B12	310	393	464	531	596
C1	1238	1471	1660	1841	2007
C4	1052	1255	1419	1578	1723
C7	880	1051	1192	1330	1458
C10	633	762	868	976	1075
C11	472	581	677	767	852
C12	341	426	503	576	645
AR1	2140	2550	2890	3200	3490
AR2	2070	2470	2800	3100	3380
AR3	1950	2320	2620	2900	3160
BR1	2127	2534	2872	3180	3468
BR2	2057	2454	2782	3080	3358
BR3	1937	2304	2602	2880	3138
CR1	2140	2550	2890	3200	3490
CR2	2070	2470	2800	3100	3380
CR3	1950	2320	2620	2900	3160
K1	686	809	912	1010	1105
K2	466	548	618	685	752
K3	535	635	718	798	872
K4	361	432	490	549	602
K5	520	638	730	812	896
K6	349	438	505	565	629
K7	298	377	438	493	550
KML1	860	1030	1170	1300	1420
KML2	1070	1270	1440	1600	1745
KMU1	810	970	1100	1210	1320
KMU2	550	660	750	830	910
KR1	1900	2110	2280	2440	2600
ISL	2890	3260	3560	3850	4100
LSL	3030	3580	4030	4450	4690