Installing the Air Springs and Speed Limiter in the new EIC-DIRC Shipping Crates

Parts required per crate (Multiply by 6 for all crates)

12 each air springs, McMaster Carr# 9538K21

4 each Linear speed Limiter (shock) McMaster Carr #9898K83

4 each of 2” square steel tube, 0.12” wall, Length = 36” (Metals Depot)

4 each of 3”x3” aluminum Angle, 0.25” wall, Length = 5” (Metals Depot)

8 each 1”x1” aluminum square tube, Length = 3” (Metals Depot)

4 each of 4”x4”x23” untreated lumber, support for Vertical Air spring brackets

4 each of 2”x8”x8” untreated lumber, spacer for upper air spring clearance

16 each of ½” x7” hex head lag bolts, McMaster Carr # 91478A738 (10 pack)

16 each of 3/8”x5” hex head lag bolts, McMaster Carr # 91478A644 (25 pack)

16 each of 3/8”-16 bolts, Length = 2.5”, McMaster Carr # 92865A634 (pack of 10)

32 each of 3/8” flat washer, McMaster Carr # 92141A031 (pack of 100)

16 each of 3/8-16 hex nut, McMaster Carr # 95462A031 (pack of 100)

1 each of Thread locking Compound, MED strength, McMaster Carr# 74835A48

1 each 3M spray Adhesive, 13 oz can, McMaster Carr# 7610A253

Tools Required

1 each of 5/16” x 8” drill bit, extended length, McMaster Carr # 29515A67 (1/2” lag screw pilot hole)

1 each of 15/64” drill bit, extended length, McMaster Carr # 29315A132 (3/8” Lag screw pilot hole)

1 each of 41/64” drill bit for air spring mounting holes, McMaster Carr #8870A55

9/16” socket for 3/8” lag bolts and upper air spring mounts

9/16” combination wrench for upper air spring mounts

¾” socket for ½” lag bolts