



88 1/2-40 J & J 2" Split

RF	RR-23.5-1.125
LF	RR-23.5-1.125
RR	RR-24-1.000
LR	RR-23.5-1.000
Panhard	RR-19-1.125
TieRod	RR-45.5-ST
DragLink	RR-505-ST
RR Arm	SRC-2694
LR Arm	SRC-2695
Jacobs Ladder	SRC-2505

88-40 Coil Front Non-Wing F5

RF	RR-24-1.125
LF	RR-24-1.125
RR	RR-34.5-ST
LR	RR-34.5-ST
Panhard	RR-21.5-1.125
TieRod	RR-48-ST
DragLink	RR-50-ST
RR Arm	SRC-2683
LR Arm	SRC-2684
Jacobs Ladder	SRC-2505
Right Front Anti-Rollbar Arm	SRC-2122A
Left Front Anti-Rollbar Arm	SRC-2122
Anti-Rollbar Stop	SRC-2121

Squaring the Rear Axle:

There are many different ways to square the rear end depending upon mechanical preference and comfort. This is one popular technique utilized by many professional teams. Place the rear end in the chassis and bolt up the torque tube. Set the axles on 6" blocks if it's a standard chassis, 5" on the left side and 6" on the right if it's a raised rail car. Secure the birdcages with spacers and the wheel nuts. Measure the distance from the rear round machined portion of the torque tube to the outer edge of the chassis by placing a straight edge vertically against the frame. Center the rear end by equalizing this distance on both sides of the car. This distance should measure between 10 1/8" and 10 1/4". Now with the rear centered side-to-side, start with the right side and measure from the leading edge of the rear axle to the front edge of the motor plate. On a 39" car this measurement is 37 5/8", 38 5/8" on a 40" car. Roll the axle forward or back on the blocks to achieve the correct distance. Once you have secured that distance on the right side check the left side. Ensuring that the rear is still centered in the frame and the right side measures correct, the left side may vary by as much as 1/8". This is generally left to lie as is. With the radius rods connected, place a level on the flat bottom portion of each bird cage and adjust the rods so that each cage is level with the bottom frame rail. Now bring your rear arms up to each bird cage flag and adjust each rod end so that the lower bird cage bolts slide freely through the cage and the rod end. Having completed this, recheck all of your measurements to ensure that nothing was moved during the previous processes. If all measures correct bring your jacobs ladder to the rod end or clevis and adjust the rod end or clevis in or out so that the bolt also slides freely. With these operations complete check your work by ensuring the torque ball is free and the jacobs ladder is not bound. Now you are ready for race height setup blocks and stops.

Squaring the Front Axle:

Set the front axle on 4" set-up blocks, or 3" and 4" if it is a raised rail car. Offset the axle 1" to the left side by adjusting the sway bar. This gives clearance to the left front torsion arm and combo steering arm. Measure 14" from the center of the right front torsion tube to the center of the axle on both sides. After roughing in the radius rods to this measurement, measure from the leading edge of the rear axle (still on 6" blocks) to the rear edge of the front axle on the rightside. After having gained this measurement we will set the lead. Check the left side the same way and adjust the rod length so that the left measurement is equal to or up to 1/4" set back depending upon driver preference and size of track. With the axle now square we can adjust the caster. Place an angle finder on the right front steering arm. Adjust the top right front radius rod so that the angle reads anywhere from 6 to 10 degrees. Again this is driver preference, some drivers like more positive feel in the front end than others. With this complete you can drop the axle down to race height set-up blocks and adjust the stops. Don't forget to set the tow. An 1/8" of tow out is generally the norm.

(Information provided by Maxim Chassis)

30" BAR 23" EFFECTIVE LENGTH

Arm Length	12"	12.5"	13"	13.5"	14"	14.5"	15"	15.5"	16"	16.5"	17"
.900	224	206	190	176	164	153	143	134	126	118	111
.925	250	230	213	197	183	171	160	150	140	132	124
.950	278	256	237	219	204	190	178	166	156	147	138
.975	308	284	262	243	226	211	197	185	173	163	153
1.000	341	314	290	269	250	233	218	204	192	180	170
1.015	362	333	308	286	266	248	232	217	204	191	180
1.025	376	347	321	297	276	258	241	226	212	199	187
1.050	414	382	353	327	304	284	265	248	233	219	206
1.065	439	404	374	346	322	300	281	263	247	232	219

86-40 Maxim/Eagle 1 3/4 Split

RF	RR-21.5-1.125
LF	RR-21-1.125
RR	RR-24-1.000
LR	RR-23.5-1.000
Panhard	RR-18.5-1.125
TieRod	RR-45.5-ST
DragLink	RR-48-ST
RR Arm	SRC-2687
LR Arm	SRC-2689
Jacobs Ladder	SRC-2515



DMI #	Description	WINTERS #
RRC-1005	Magnesium Rear Center Section	K2225XHD
RRC-1010	Large Inspection Plug	5290
RRC-1015	Large Inspection Plug O-Ring	7453
RRC-1020	Small Inspection Plug	6857
RRC-1025	Small Inspection Plug O-Ring	7454
RRC-1030	3/8" NPT Allen Drain Plug	7111B
RRC-1100	Magnesium Side Bell w/Brake Mount	K6964-02
RRC-1105	Side Bell O-Ring	7403T
RRC-1110	Side Bell Stud	2266
RRC-1120	Side Bell Locknut	7177N
RRC-1125	Side Bell Bolt - Long	7117
RRC-1126	Side Bell Bolt - Short	7787
RRC-1130	Side Bell Washer	7178
RRC-1135	Ring Gear Back Stop	5010
RRC-1140	Back Stop Set Screw	6149
RRC-1145	Back Stop Washer	7167
RRC-1150	Back Stop Aluminum Nut	7137A
RRC-1200	Aluminum Axle 2" I.D. Long Splines w/Spool	5778UL
RRC-1201	Aluminum Axle - Beast Style 54-4	5778A-54-4
RRC-1205	Aluminum Axle 1.875" I.D. Long Splines w/Spool	5778L
RRC-1210	Axle Bearing	7358
RRC-1215	Axle Bearing Race	7357
RRC-1217	Axle Seal	7224
RRC-1220	Axle O-Ring	7433
RRC-1225	Axle Seal Spiral Lock	7626
RRC-1229	Rear Axle Shim Kit	6115
RRC-1300	4.12 Ring and Pinion w/ Posi Lock	5715
RRC-1301	Ring Bolt	7852
RRC-1302	Ring Bolt Washer	7815
RRC-1305	4.86 Ring and Pinion w/ Posi Lock	5401
RRC-1310	Small Pinion Bearing	7331
RRC-1311	Big Pinion Bearing	7308
RRC-1312	Big Pinion Bearing Race	7307
RRC-1315	Pinion Bearing Spacer	5020
RRC-1320	Pinion Retainer Flange	6296A
RRC-1325	Stub Shaft Bearing Retainer	6267

DMI #	Description	WINTERS #
RRC-1325	Rear Cover - No Bearings	K6583
RRC-1330	2 Bolt Locking Tab	2374
RRC-1335	Pinion Retainer Bolt	7110
RRC-1340	Rear Cover Gasket	6729HD
RRC-1355	Rear Cover Stud	7802
RRC-1360	Rear Cover High Nut	7794A
RRC-1366	Posi-Lock Retainer	6484
RRC-1367	Posi-Lock O-Ring	7445
RRC-1368	Pinion Washer	5055
RRC-1369	Posi-Lock Nut - RH	6485R
RRC-1400	Internal 10-10 Coupler	6676
RRC-1401	Aluminum Internal 10-10 Coupler	6676A
RRC-1405	10-10 External Snap Ring	7657
RRC-1410	10-10 Front Bearing	7531
RRC-1415	Internal 10-10 Seal	7242
RRC-1420	Internal 10-10 Bearing Spacer	6680
RRC-1425	10-10 Internal Snap Ring	7664
RRC-1430	Internal 10-10 Lower Shaft	6678-01
RRC-1431	Internal 10-10 Lower Shaft - Titanium	6678T
RRC-1435	Lower Shaft O-Ring	7452
RRC-1440	Lower Shaft Snap Ring	7660
RRC-1444	External 10-10 Bearing	7383F
RRC-1445	External 10-10 Lower Shaft	6249
RRC-1447	External 10-10 Coupler	5987
RRC-1500	Female Splined Shifter Coupler	6252
RRC-1505	O.D. Shifter Bearing	7391
RRC-1510	I.D. Shifter Bearing	7392
RRC-1515	O.D. Shifter Coupler Snap Ring	7673
RRC-1520	Housing Bore Snap Ring	7636
RRC-1600	Male Splined Shifter Coupler	6265
RRC-1605	Detent Spring	6318
RRC-1610	Detent Ball	7347
RRC-1615	Lower Stub Shaft	6250
RRC-1616	Stub Shaft - Titanium	6250T
RRC-1620	Stub Shaft Snap Ring	7637
RRC-1625	Stub Shaft Bearing	7390

DMI #	Description	WINTERS #
RRC-1000	CT-1 Magnesium Center Section	K5840
RRC-1001	Front Seal Plate for CT-1	5018-01ML
RRC-1002	Front Seal for CT-1 Seal Plate	7204V
RRC-1002T	Front Seal Plate Teflon for CT-1	7204
RRC-1003	Seal O-Ring for CT-1 Seal Plate	7474
RRC-1004	O-Ring for CT-1 Seal Plate Flange	7413
RRC-1007	Spiralock for Seal Plate	7652
RRC-1010	Large Inspection Plug	5290
RRC-1015	Large Inspection Plug O-Ring	7453
RRC-1011	Bolt for CT-1 Seal Plate to Center	7110
RRC-1011A	Bolt for CT-1 Seal Plate to Center - NCB	7101
RRC-1012	Washer for CT-1 Seal Plate to Center	7114
RRC-1102	CT-1 Magnesium Left Side Bell - 6 Rib	K1663-02
RRC-1103	CT-1 Magnesium Right Side Bell - 6 Rib	K1663-01B
RRC-1104	CT-1 Side Bell Axle Seal	7205
RRC-1105	Side Bell O-Ring	7403T
RRC-1107	CT-1 Magnesium Left Side Bell - 8 Rib	K5016-02M
RRC-1108	CT-1 Magnesium Right Side Bell - 8 Rib	K5016-05
RRC-1125	CT-1 5.5" Center / Side Bell Thru Bolt	7176
RRC-1127	CT-1 Side Bell Flange Nut	7177
RRC-1130	Side Bell Washer	7178
RRC-1135	Ring Gear Back Stop	5010
RRC-1140	Back Stop Set Screw	6149
RRC-1145	Back Stop Washer	7167
RRC-1150	Back Stop Aluminum Nut	7137A
RRC-1170	CT-1 Side Bell Race	7310
RRC-1171	CT-1 Side Bell Bearing for Aluminum Spool	7340

DMI #	Description	WINTERS #
RRC-1172	CT-1 Side Bell Bearing for Steel Spool	7309
RRC-1270	CT-1 Aluminum Spool	5034-11A
RRC-1271	CT-1 Aluminum Spool - Ultralight	5034-11UL
RRC-1300	4.12 Ring & Pinion	5714
RRC-1301	Ring Gear Bolt	7852
RRC-1302	Ring Bolt Washer	7815
RRC-1305	4.86 Ring & Pinion	5400
RRC-1310	Small Pinion Bearing	7331
RRC-1311	Big Pinion Bearing - Timken	7308
RRC-1312	Big Pinion Bearing Race	7307
RRC-1315	Pinion Bearing Spacer	5020
RRC-1320	Pinion Retainer Flange	6296A
RRC-1330	2 Bolt Locking Tab	2374
RRC-1335	Pinion Retainer Bolt	7110
RRC-1355	Rear Cover Stud	7802
RRC-1361B	Rear Cover High Nut - Blue	7794ASB
RRC-1366	Posi-Lock Retainer	6484
RRC-1367	Posi-Lock O-Ring	7445
RRC-1368	Pinion Washer	5055
RRC-1369	Posi-Lock Nut - RH	6485R
RRC-1411	CT-1 Lower Shaft Bearing	7390
RRC-1427	CT-1 Steel Lower Shaft	5003
RRC-1440	Lower Shaft Snap Ring	7660
RRC-1480	CT-1 Front Yoke	5038
RRC-1481	CT-1 Front Yoke Washer	5037
RRC-1482	CT-1 Front Yoke Bolt	71094
RRC-1485	Aluminum Spacer for under CT-1 Front Yoke	6532

WP CROSS REFERENCE - CLOSED TUBE

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