



704-784-5353

**900-B OREGON STREET
KANNAPOLIS, NC 28083**

GM METRIC HEADQUARTERS

X-Y-G METRIC®

***NASCAR, CRATE RACING USA
APPROVED***

***2021
CATALOG***

VOLUME 1:4.0



Made in AMERICA

JOHNSON CHASSIS, INC.

WWW.JOHNSONCHASSIS.COM



X-Y-G METRIC®

GM-METRIC TUBULAR REPLACEMENT O.E.M DIMENSIONS & WEIGHT 95 lb

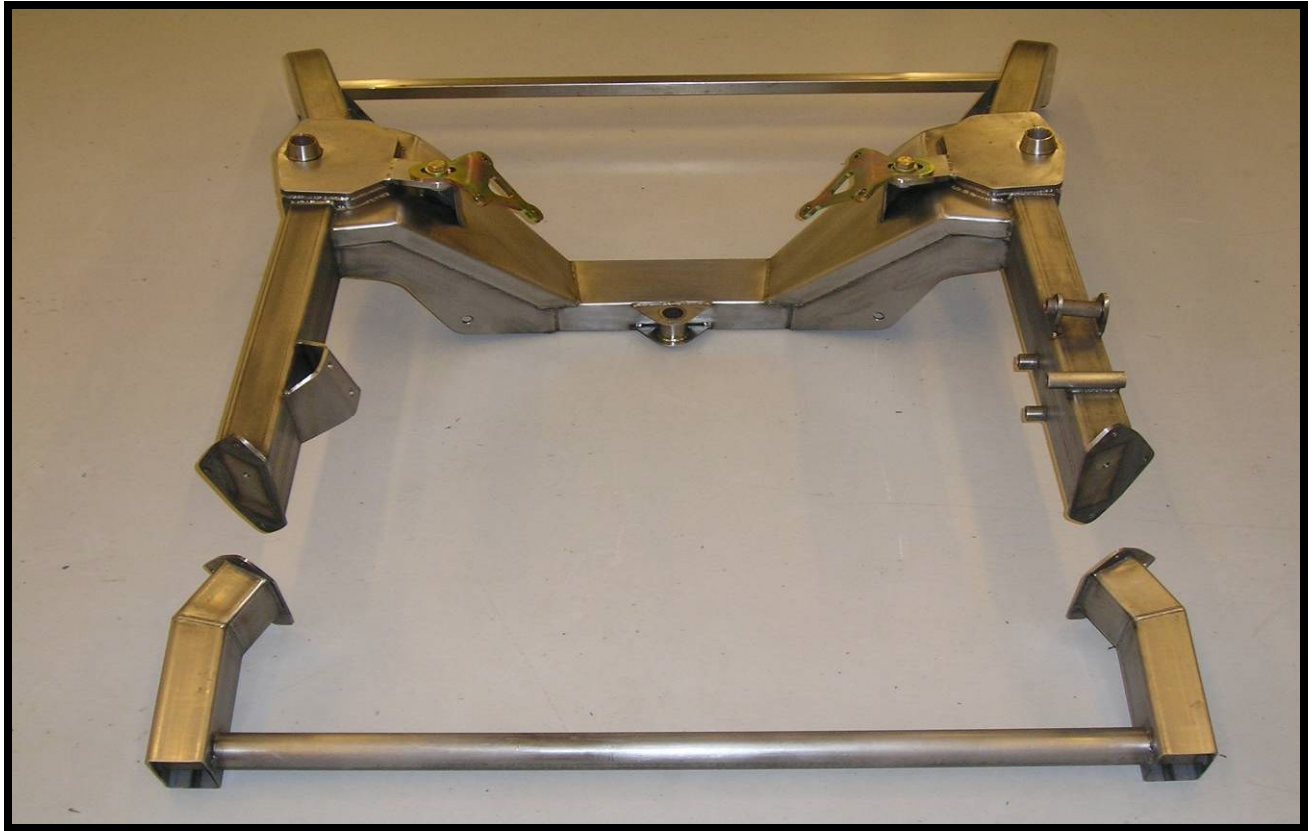
- ✓ **JACKBOLT OR O.E.M SHOCK AND A-ARM LOCATIONS**
- ✓ **WELDS TO STOCK FRAME RAILS OR TUBULAR CENTER SECTION**
- ✓ **USES OEM OR TUBULAR COMPONENTS**
- ✓ **MOTOR MOUNTED IN O.E.M. LOCATION OR 3" SETBACK TO # 1 PLUG**
- ✓ **LOWER A-ARM SLOTTED FOR WHEELBASE SLUGS 0"-1/4"**
- ✓ **SPECIFY UPPER CONTROL ARM LOCATION WHEN ORDERING**
O.E.M 6 7/8" - 6" CENTER MOUNTS - 6" SLOTTED MOUNTS

#JCI 09-01-011M \$695.00

FRAME EXT & MOTOR MOUNTS

NOT INCLUDED

LASER CUT & CNC BENT FOR REPEATABILITY

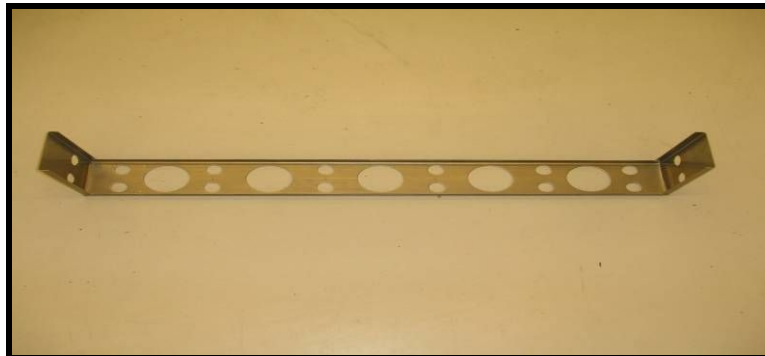


#JCI 09-01-022

BOLT ON FRAME EXTENTION

\$78.00

RADIATOR SLING



#JCI 09-01-022-28"

#JCI 09-01-022-31"

\$28.00



TUBULAR LOWER A-ARMS

O.E.M. DIMENSIONS & WEIGHT 12.5 lbs.

\$166.00 – \$199.00

AVAILABLE W/BUSHINGS OR MONOBALL & HARDWARE

BARE FOR MONOBALL	JCI-09-02-01M-? (L-R)-(SP-BP-S-B)	\$166.00
W/MONOBALLS & SPACERS	JCI-09-02-01MC-? (L-R)-(SP-BP-S-B)	\$196.00
BARE FOR RUBBER BUSHING	JCI-09-02-01R-? (L-R)-(SP-BP-S-B)	\$166.00
W/RUBBER BUSHINGS	JCI-09-02-01RC-? (L-R)-(SP-BP-S-B)	\$196.00

ALL ARMS AVAILABLE +1 INCH LONGER \$199.00

L-LEFT R-RIGHT SP-SMALL PRESS IN BP-BIG PRESS IN S-SMALL SCREW IN B-BIG SCREW IN

EXAMPLE: JCI-09-01-RC-R-SP = RIGHTSIDE SMALL PRESS IN BALLJOINT W/BUSHINGS

BOLT IN COIL SPRING HELIX \$28.00

#JCI 09-02-015-3.50 3.50 SPRING INSIDE DIAMETER

#JCI 09-02-015-3.75 3.75 SPRING INSIDE DIAMETER

#JCI 09-02-015-4.00 4.00 SPRING INSIDE DIAMETER

#JCI 09-02-015-SS OEM SHOCK THRU A-ARM PLATE *\$12.50*

LASER CUT CNC BENT FOR REPEATABILITY



4-LINK TRAILING ARMS

O.E.M WEIGHT 4.3 lbs

O.E.M LOWER LENGTH 19 1/4"

O.E.M UPPER LENGTH 11 1/4"

BARE ARM FOR MONOBALL	OEM	JCI-09-03-01	\$ 40.00ea
W-MONOBALLS & SPACERS	OEM	JCI-09-03-01M	96.00ea
BARE ARM FOR MONOBALL	+1/2"	JCI-09-03-14	46.00ea
W-MONOBALLS & SPACERS	+1/2"	JCI-09-03-14M	96.00ea
BARE ARM FOR RUBBER	OEM	JCI-09-03-03	46.00ea
W/ 80duro RUBBER BUSHINGS	OEM	JCI-09-03-03B	94.00ea
BARE ARM FOR RUBBER	+1/2"	JCI-09-03-02	46.00ea
W/ 80duro RUBBER BUSHINGS	+1/2"	JCI-09-03-02B	94.00ea
4-LINK UPPER W/ RUBBER		JCI-09-03-04	59.00ea
MONOBALL W/SPACERS		JCI-COM12-2	30.00ea
RUBBER BUSHINGS W/SPACER		JCI-03-003-? (50-80)	24.00ea

JCI RUBBER BUSHINGS ARE 50 & 80 DUROMETER W/1/2" HOLE THEY CREATE LESS BIND THRU TRAVEL IN ADDITION, PROMOTE MORE FORWARD BITE....

“NEW ITEM”



4 - LINK
ADJUSTABLE UPPER TRAILINGS

“PROMOTES MORE FORWARD BITE”

AVAILABLE WITH **50 OR **80** DURO BUSHINGS**

3/4” HEIM or MONOBALL

ALL BUSHINGS 1/2” HOLE

\$185 **PAIR**

“NEW ITEM”



“GM METRIC”
ADJUSTABLE LOWER TRAILING ARMS

“TIG WELDED .120 wall D.O.M”

AVAILABLE WITH 50 OR 80 DURO BUSHINGS

3/4” HEIM or MONOBALL

ALL BUSHINGS 1/2” HOLE

\$195 **PAIR**



DROPPED AND SLUGGED CENTERLINK

- **O.E.M. TIEROD CENTERS 13" \$165.00**
JCI 09-02-1-13
- **WIDE TIEROD CENTERS 15" \$265.00**
JCI 09-02-1-15
- **CENTERS 17" DROP SPINDLE \$285.00**
JCI 09-02-1-17DS
- **SLUG KIT (2ea) 0"- 1/8"- 1/4"-3/8" \$123.00**
JCI 09-02-1-CSK
- **UPPER A-ARM SLUG KIT (4)-0"(2ea)-1/8-1/4-3/8-1/2 \$123**
JCI 09-02-1-USK
- **WHEELBASE SLUG KIT (4)-0" (2ea) 1/16"-1/8-1/4" \$88.00**
JCI 09-01-3456





O.E.M GM-METRIC TUBULAR REPLACEMENT PRE-FORMED FRAME RAILS

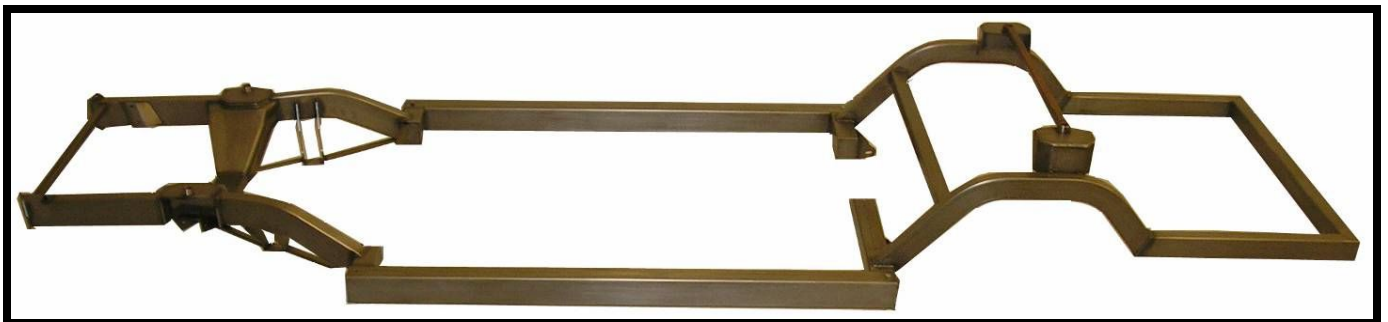
CLEARANCED FOR REAR BRAKE CALIPERS

STOCK WEIGHT AND DIMENSIONS

ACCEPTS STOCK OR TUBULAR COMPONENTS

WILL ACCEPT STOCK BODY PANELS

STARTING AT \$1795.00

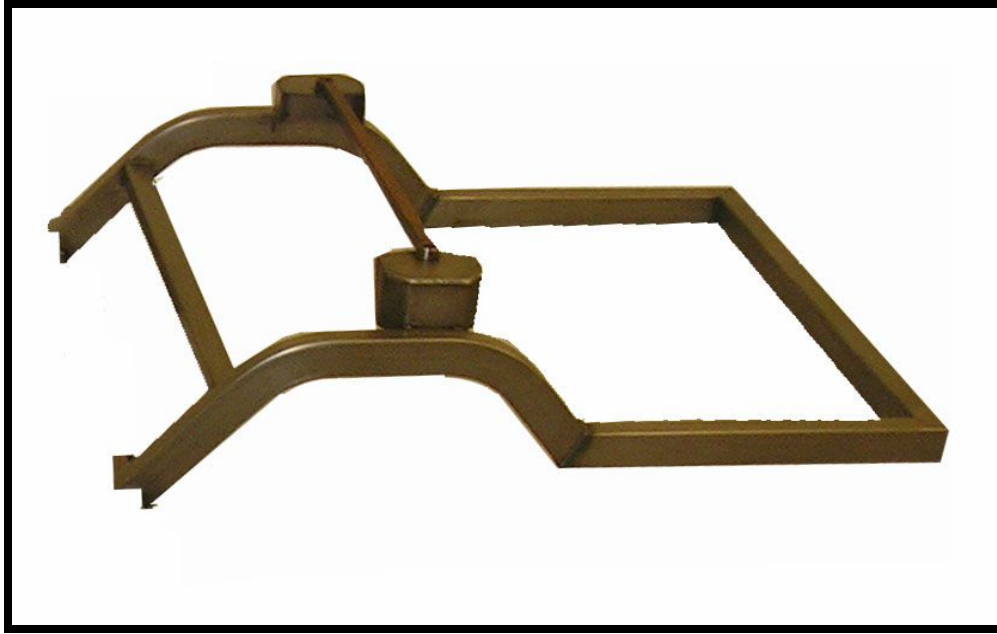


78-89 GM-METRIC FRAME

SPECIFY 3-LINK OR 4-LINK

O.E.M 225 lbs. 3"X 4 X .125 MAIN RAILS

REAR FRAME SECTION



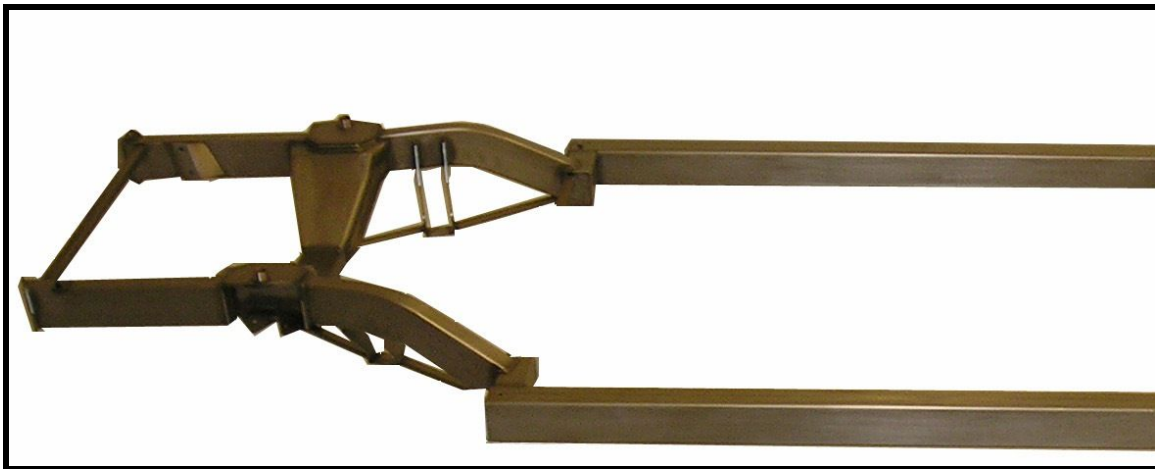
3-LINK OR 4-LINK W/BUCKETS \$425.00 09-03-001-B

W/KICKERS & TRAILING ARM MOUNTS \$499.00 09-03-001-4K

PREFORMED 2"X 3"X .125

CLEARANCED FOR BRAKE CALIPERS

RAISED BUCKETS FOR 16" TALL SPRINGS



#JCI-09-1M

X-Y-G METRIC®

“MODIFIED”

25" FROM 108" REAR AXLE CENTERLINE

\$ 895.00

“NEW ITEM”



2021 DIRT CAR FRAME



***CRUSA APPROVED!!!
“PURCHASE FROM CRUSA”***



***MID-EAST APPROVED!!!
“PURCHASE FROM JOHNSON CHASSIS”***



WHEELBASE SLUGS ARE **NOT** AN OPTION ON DIRT FRAMES



BARE FRAME W/MOTOR MOUNTS AND ALL SUSPENSION POINTS
#JCI-09-1B W/SPRING BUCKETS, BOLT ON FRAME EXTENTION

\$1795

ADD ONS: TRANS X-MEMBER & CENTER FRAME X BRACING **ADD \$269**
FUEL CELL CAGE **ADD \$299**
LEAD RAIL CAPS **ADD \$42**
3rd LINK BRACKET **ADD \$25**
.090 DRIVERS FLOOR **ADD \$90.00**

FRAME & CAGE INCLUDES BARE FRAME W/D.O.M ROLL CAGE
#JCI-09-1FC starting at **\$3000**

SURFACE PLATE INCLUDES BARE FRAME W/D.O.M ROLL CAGE
#JCI-09-1SP ALL FIREWALLS, DRIVESHAFT HOOPS
CENTER X BRACING, 4 LINK OEM X-MEMBER
REAR BUMPER MOUNTS, ENGINE & TRANS MOUNTED
starting at **\$4595**

ROLLER INCLUDES SURFACE PLATE **PLUS**
#JCI-09-1R ALL TUBULAR SUSPENSION ARMS, PEM 9" REAREND
W/HUBS, AXLES, ROTORS. FRONT SUSPENSION W/HUBS
ROTORS AND STEERING, JACKBOLTS,
starting at **\$9800**

ADD ONS: WILWOOD PEDALS AND MASTERS **ADD \$460**
COLLAPSIBLE STEERING COLUMN **ADD \$295**
LEFT SIDE DOOR INTRUSION PANEL **ADD \$225**
8:1 STEERING BOX **ADD \$650**



DIRT 1½" ROUND X-MEMBERS



RIGHTSIDE DOOR BAR OPTIONS



BOLT-ON TAIL SECTION

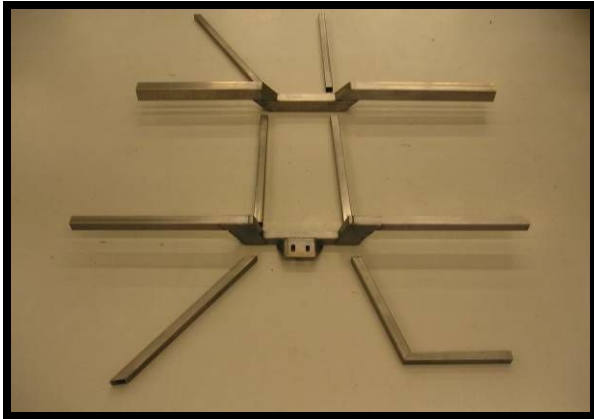


METRIC RIGHT A-ARM



METRIC LEFT A-ARM

ADD-ONS AND REPAIR PARTS



FRAME CENTER X-MEMBERS

#09-01-028 **\$300.00**



LEFT DOOR INTRUSION PLATE

09-01-027DI **\$225.00**



TOP LINK BRACKETS

3 HOLE 09-03-003

SLOTTED 09-03-004 \$9.50_{ea}



FRAME REPAIR PARTS

CALL FOR PRICES



LEAD RAIL CAP KIT

09-01-023 **\$7.95**



4-LINK OEM CROSSMEMBER

\$125.00



SPRING HELIX

\$28.00

09-02-015-3.74

09-02-015 -4.00

09-02-015-3.50



SHOCK MOUNTS

\$11.50

LOWER 09-02-011

UPPER NOTCHED 1 3/4" 09-02-012



SPRING BUCKETS

\$65.00

09-01-005-FC

09-01-005-RC



IDLER ARM BRACKET

09-01-014 **\$12.50**



UPPER A-ARM

METRIC JACKBOLT **\$15.00**

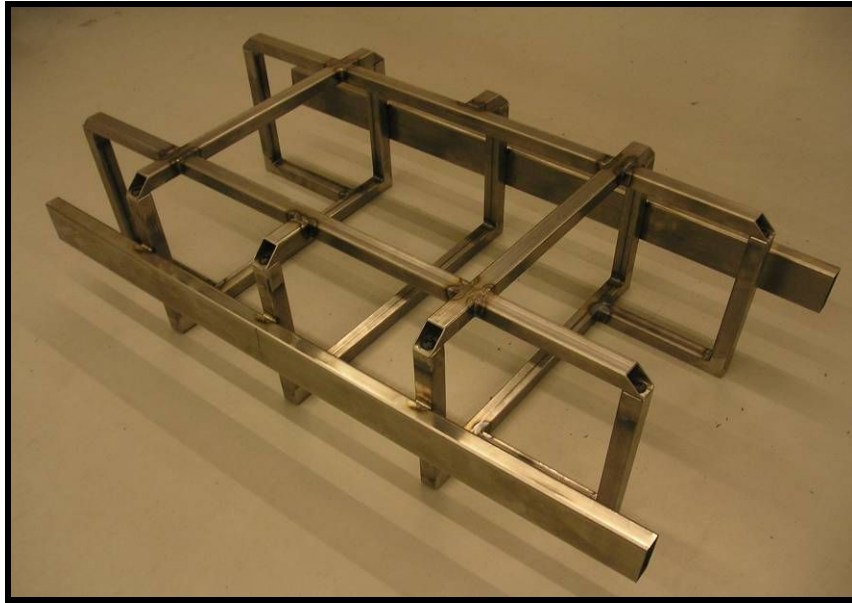
METRIC OEM SHOCK **\$16.00**

MULTI-HOLE /GUSSETS **\$17.50**



TRANNY BRACKET

09-01-013 **\$12.50**



JCI-03-03

FUEL CELL CAGE

TIG WELDED

\$299.00-\$349 *INSTALLED*

ATL SPORTS CELL®

12 SCCA, CORR, DIRT,
Vintage, NASA,
SCORE, IMCA, UMP
FIA FT3, USAC-1000
Hard Rubber

\$800-\$1200



WE HAVE EVERYTHING
IN STOCK OR AVAILABLE TO
“BUILD A CHAMPION”



KIT CAR PARTS PACKAGE



PEM 9" FLOATER COMPLETE
BARE W/O GEAR \$925
WITH ALL BRACKETS \$1400



SPRING \$60 AND UP



JACKBOLTS & SPRING RETAINER
STEEL or ALUM starting at \$39

LEIFTHANDER Screw-In Upper Control Arm with Bearing Shaft

- Free movement
- No binding
- 4 thrust bearings puts no binding under braking
- 4 lower shaft bearings gives free movement this travel
- Powder coated satin black
- Available in straight, 10°, or 20°
- Uses screw-in ball joint
- Measured from 2 of cross shaft to cut ball joint

Length	Weight	10°	20°
7 1/4"	001-100-275	001-100-275-10	-
8"	001-100-300	001-100-300-10	-
8 1/4"	001-100-320	001-100-320-10	-
8 1/2"	001-100-340	001-100-340-10	-
9"	001-100-360	001-100-360-10	001-100-360-20
9 1/4"	001-100-380	001-100-380-10	001-100-380-20
9 1/2"	001-100-400	001-100-400-10	001-100-400-20
10"	001-100-420	001-100-420-10	001-100-420-20
10 1/4"	001-100-440	001-100-440-10	001-100-440-20
10 1/2"	001-100-460	001-100-460-10	001-100-460-20
10 3/4"	001-100-480	001-100-480-10	001-100-480-20
11"	001-100-500	001-100-500-10	001-100-500-20
11 1/4"	001-100-520	001-100-520-10	001-100-520-20
11 1/2"	001-100-540	001-100-540-10	001-100-540-20
12"	001-100-560	001-100-560-10	001-100-560-20

Replacement Parts

Arm shaft	001-288-08	22.40
Shaft bearing	001-288-09	4.40
Thrust bearing	002-084-106	6.99
Thrust washer	002-770-0-1018	2.99
Collar bolt	002-082-158	2.40
Grease zerk	110-2805	.25

LEIFTHANDER Screw-In Upper Control Arm with Slotted Steel Shaft

- Available in 1/2" increments
- Powder coated satin black
- Available in straight, 10°, or 20°
- Measured from 2 of cross shaft to cut ball joint
- Interchangeable with the A-arms shown above
- Shaft is the same width as the 100 series

Length	Weight	10°	20°
8"	001-112-800	001-112-800-10	-
8 1/4"	001-112-820	001-112-820-10	-
8 1/2"	001-112-840	001-112-840-10	001-112-840-20
9"	001-112-860	001-112-860-10	001-112-860-20
9 1/4"	001-112-880	001-112-880-10	001-112-880-20
9 1/2"	001-112-900	001-112-900-10	001-112-900-20
10"	001-112-920	001-112-920-10	001-112-920-20
10 1/4"	001-112-940	001-112-940-10	001-112-940-20
10 1/2"	001-112-960	001-112-960-10	001-112-960-20
10 3/4"	001-112-980	001-112-980-10	001-112-980-20
11"	001-112-1000	001-112-1000-10	001-112-1000-20
11 1/4"	001-112-1020	001-112-1020-10	001-112-1020-20
11 1/2"	001-112-1040	001-112-1040-10	001-112-1040-20
12"	001-112-1060	001-112-1060-10	001-112-1060-20

Replacement Parts

001-288-57	25.99
002-2894	2.99
001-288-103	1.25

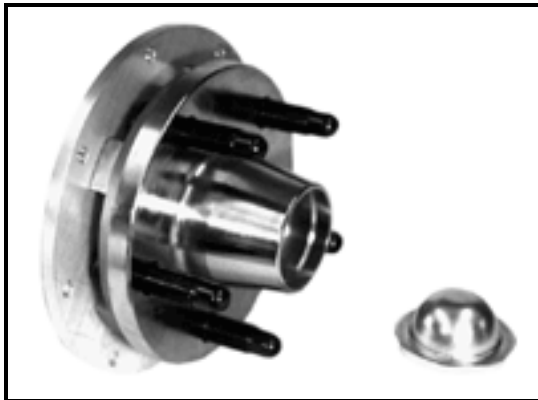
Steel Arms shaft
Shaft bearing
Nut

001-288-57
001-288-100
002-2894

Phone: 815-389-9999 LEIFTHANDER Fax: 800-779-6461

UPPER A-ARMS
\$75-\$138

IMCA STOCK – SUPER STOCK LATE MODEL



HUBS

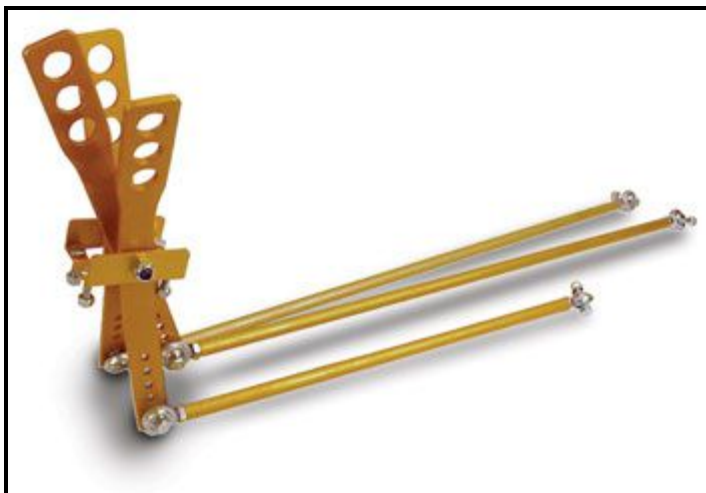
STEEL **\$257**

ALUM **\$235**



BRAKE STUFF GALORE

ASK!!!



SHIFTER **\$85**



PEDALS & MASTER CYLINDERS

\$ 399



STARTING AT **\$75.00**



COLLAPSIBLE STEERING

\$350.00



1700 CFM *\$65.00*
2100 CFM *\$95.00*



RADIATORS *from \$199*



**DASH & WIRING HARNESS W/TACH
WIRED FOR H.E.I. IGNITION-REV LIMITER
ELECTRIC FAN - BRAKE BLOWER
*\$650***



**TOP LINK KIT
*\$250.00***



**8:1 STEERING BOX
*\$675.00***



“FUGITABOUTIT”

JOHNSON CHASSIS, INC.

“WATCH DOG INSPECTION”

***TEMPLATES AND FIXTURES
WILL BE USED TO INSURE THE INTEGRITY OF THE***

X-Y-G METRIC®

TUBULAR FRAME & COMPONENTS

**ALL TEMPLATES & FIXTURES
WILL FIT & INSPECT
O.E.M. & X-Y-G METRIC®
COMPONENTS & FRAMES**



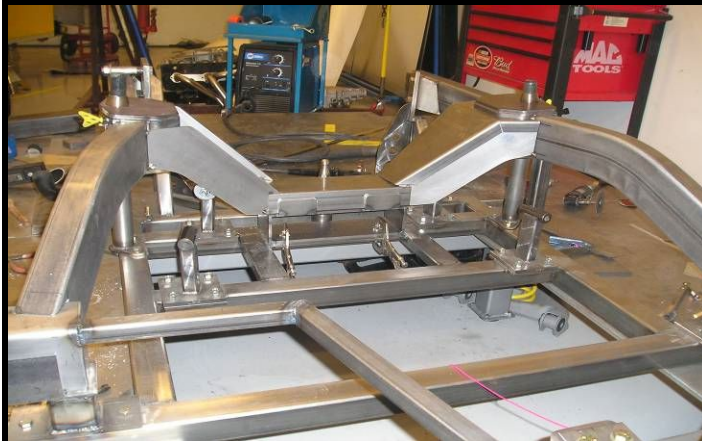
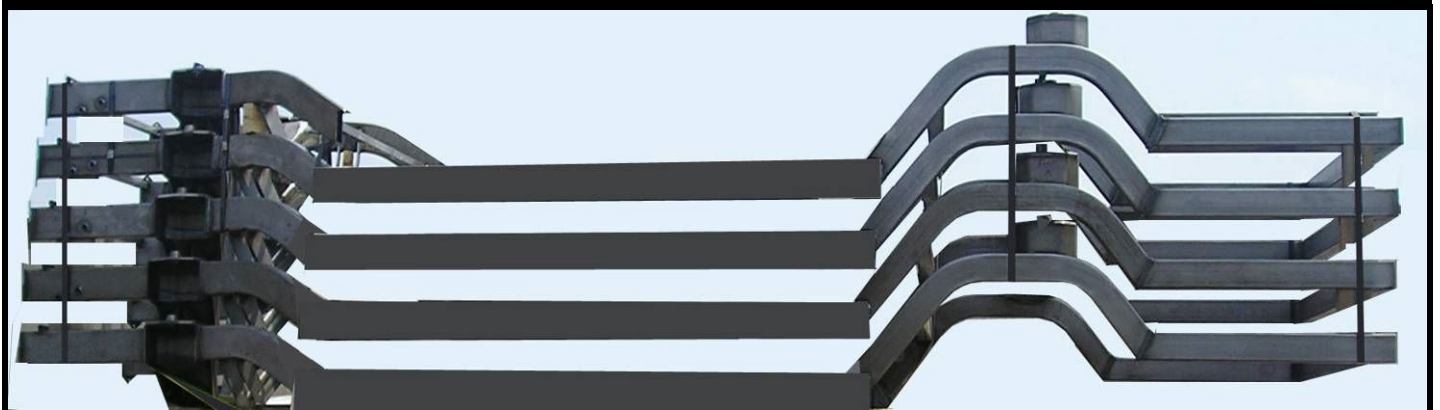
**LEFT & RIGHT A-ARM
NO GO TEMPLATES**



**LOWER TRAILING A-ARM
NO GO TEMPLATE**



FRONT SUB-FRAME INSPECTOR





DISCLAIMER

Because of the dangers and unforeseen events that accompany Motorsports and the impossibility to oversee each and every installation it is the users responsibility to determine if the installation was proper. The user thereafter assumes all responsibility related to or created by the use of these parts thereby releasing JOHNSON CHASSIS, INC. from all liabilities resulting in injury, dismemberment, and death. If you do not agree with these terms, **DO NOT** install these parts. Installing these parts validates this agreement.

ALL PRICES F.O.B KANNAPOLIS,NC.

**ALL PARTS PAID IN FULL
OR CREDIT CARD ONLY**

ALL PRICES SUBJECT TO FLOATING STEEL AND FUEL CHARGES

PRICES MAY CHANGE WITHOUT NOTICE