

#### Our Mission...

At Tiger Quick Change, we have combined years of experience and cutting edge technology to design the highest quality strength to weight ratio rear end possible.

The design engineers worked with major seal and bearing manufacturers to develop a kit to reduce horsepower robbing friction. All of these efforts are made to give our customers the edge on the race track!



## Tiger Quick Change

is located in Mt. Ulla, North Carolina, just outside Mooresville, Race City USA.

#### ORDER POLICY

- 👋 Order by part number.
- Tiger will NOT be responsible for incorrect orders that are placed without part numbers.
- Please specify shipping instructions on all orders.



## **INDEX**



CLOSED TUBE REAR ENDS	AXLE TUBES & SNOUTS
Quick Change Rear Ends 3	Wide 5 Polished Axle 16
Rear End Exhange Options3-4	Wide 5 Aluminum Tube 16
Tiger Rear End Components5-6	Wide 5 Steel Tubes16
Tiger Rear End Kits7	Wide 5 Chrome Moly Tubes16
	5 on 5 Tubes
BELLS	16 Bolt Aluminum Tube 16
Aluminum8	2" GN 5 on 517
Magnesium 8	2 1/2" GN 5 on 5 18
Thermal Coated 8	Bolt on Snouts
DIFFERENTIALS	BERT TRANSMISSION & PARTS20
Lockers9-10	
Spools	TIGER SYNTHETIC GEAR OIL 20
Seals11	
	CENTER SECTION PARTS
COMPLETE LOW DRAG BEARING &	Thermal Coated Option21
SEAL KIT12	Aluminum21
	Magnesium21
RING AND PINION	Seal Plate Thermal Coated Assembly 21
Standard13	Center Section Components21-22
Low Drag 13	
Component Parts	<b>TOOLS</b>
HUBS, BEARINGS & RACES	GENERAL INFORMATION
Drive Flange14	Gear Chart25
Drive Flange Cap 14	Weight Chart
Inner Bearing and Race14	Tiger Specifications
Outer Bearing and Race14	Oil Fill & Plumbing Instructions28
	Tube Measurments
WHEEL BEARING KITS	Measurments For Track Width & Off Set. 31-33
Tiger Bearing Set14	Rearend Maintenance Procedures 34-37
Timken Bearing Set14	(featrued article in Circle Track by
Timken Performance Hub Kit 14	Bob Bolles)
	Frequently Asked Questions38
SUSPENSION	Tiger Policies39
Cambered Brake Bracket15	Order Form40
Truck Arm Pads15	Tiger Synthetic Oil Informtion 41
Tie-Bar Kit 15	Notes
Brake Bracket Assembly 15	
Brake Bracket 15	
Aluminum Spacer (for 8 Bolt Brake Bracket)15	

#### **CLOSED TUBE REAR ENDS**



## RACE READY



At Tiger, every rear end that leaves our shop is "Race Ready". Our rear ends come standard with:

Aluminum 6 Rib Bells
HD Gear Cover with Bearings
Heat Treated Jackshaft
Pinion Nose Roller Bearings
Posi-Lock Nut Assembly
Viton Yoke Seal
4:86 Ring & Pinion

## Reducing power loss through the driveline is all part of putting together the total winning package!

#### **COMPLETE REAR ENDS**

TG-2000	Complete Tiger Standard Assembly (Aluminum Center & Bells)
TG-2010	Complete Tiger Low Drag Assembly (Aluminum Center & Bells)
TG-5002	Complete Tiger / Bert Magnesium Rear With Bert Magnesium Bells
TG-M2000	Complete Tiger Standard Assembly (Magnesium Center-Aluminum Bells)
TG-M2010	Complete Tiger Low Drag Assembly (Magnesium Center-Aluminum Bells)
TG-M2012	Complete Tiger Low Drag Assembly (Magnesium Center-Magnesium Bells)

#### **DIFFERENTIAL OPTIONS**

TG-2902	Exchange / Diamond Track Differential
TG-2906	Exchange / Gleason Differential
TG-2915	Exchange / Bert 33/31 Spline Lite Weight Spool
TG-2921	Exchange / Standard Aluminum Locker
TG-2921L	Exchange / Standard Aluminum Locker With Left Side Lockup
TG-2939	Exchange / Light Weight Aluminum Locker
TG-2939L	Exchange / Light Weight Aluminum Locker With Left Side Lockup
TG-2940	Exchange / Ultra Light Weight Spool

#### **EXCHANGE OPTIONS**



#### **CENTER OPTIONS**

TG-2904	Exchange / Gundrilled Hex Drive Jackshaft-Heat Treated (For Pump Option)
TG-2922	Exchange / Gundrilled Jackshaft-Heat Treated
TG-2923	Exchange / 4.12 Ring & Pinion
TG-2924	Exchange / 1310 Drive Yoke With Pully
TG-2925	Exchange / 1350 Drive Yoke
TG-2926	Exchange / 1350 Drive Yoke With Pully
TG-2910	REM Polish Ring & Pinion
TG-2936	Thermal Dispersant Coating TG-2040
TG-2937	REM Polish Lower Jackshaft (Shown With Optional
TG-2912	EDM Ring Gear
TG-2040	Rear Cover Pump Option With Cooler And Lines (For Pinion)
TG-2089	Rear Cover Pump Option With Cooler And Lines (For Jackshaft)

#### **TUBE OPTIONS**

TG-2930	Exchange / 2 1/2" GN Steel Tubes (Straight)
TG-2931	Exchange / 2" GN Steel Tubes (Straight)
TG-2932	Exchange / Wide 5 Chrome Moly Tubes (Straight)
TG-2933	Exchange / 2 1/2" GN Chrome Moly Tubes (Straight)
TG-2934	Exchange / 2" GN Chrome Moly Tubes (Straight)
TG-2935	Exchange / Aluminum Wide 5 Tubes With Steel Snouts (Straight)
TG-2938	Exchange / 2" GN Chrome Moly Tubes (2.5 Degree Camber)
TG-2941	Exchange / 2 1/2" GN Steel .219 Wall Tubes (Straight)
TG-2943	Exchange / 2" GN Steel Tubes (2.5 Degree Camber)
TG-2944	Exchange / 16 Bolt Steel Tubes
TG-2945*	Exchange / Wide 5 Chrome Moly Tubes (.5 Degree - 1.5 Degree Camber)
TG-2946*	Exchange / One Wide 5 Steel Tube (.5 Degree - 1.5 Degree Camber)
TG-2947*	Exchange / 2 1/2" GN Chrome Moly Tubes (.5 Degree - 2.5 Degree Camber)
TG-2948	Exchange / 2 1/2" GN Steel Tubes (2.0 Degree Camber)
TG-2949	Exchange / One Piece Aluminum Tubes
TG-2950	Exchange / 16 Bolt Chrome Moly Tubes
TG-2954*	Exchange / Wide 5 Steel Tubes (.5 Degree - 1.5 Degree Camber)
TG-2958	Exchange / 2 1/2" GN Steel Tubes (2.25 Degree Camber)
TG-2959	Exchange / 2 1/2" GN Steel Tubes (2.5 Degree Camber)
TG-2960	Exchange 16 Bolt Aluminum Tubes (Black)

<sup>\*</sup> Specify Camber When Ordering



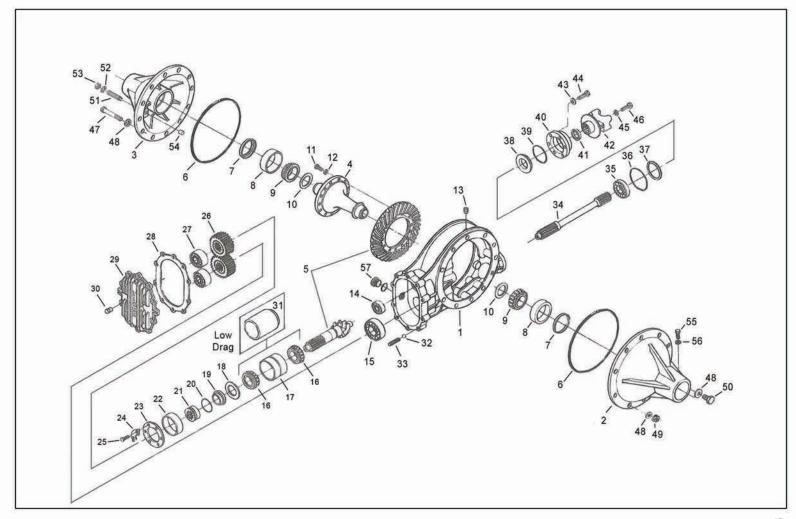
## TIGER REAR END

ITEM NO.	PART NO.	DESCRIPTION
1	TG-2101	Aluminum Sprint Center Section
2	TG-2201	Aluminum 6 Rib Right Side Bell
3	TG-2202	Aluminum 6 Rib Left Side Bell
4	TG-2401	Aluminum 31 Spline Spool
5	TG-2601	4.86 Ring & Pinion (Standard)
6	TG-2203	O-Ring (6 Rib)
7	TG-2204	Low Drag Side Bell Seal (Locker Seal)
8	TG-2206	Side Bell Bearing Race
9	TG-2406	Carrier Bearing (Differentials & Spools)
10	TG-2408	Shim Kit
11	TG-2055	Ring Gear Bolts (Threaded Ring Gear)
12	TG-2054	Ring Gear Bolts (Thru Bolts)
13	TG-2214	3/8 Square Head Pipe Plug
14	TG-2606	Pinion Nose Roller Bearing
15	TG-2501	Lower Shaft Shielded Ball Bearings
16	TG-2610	Pinion Shaft Bearing Tapered Cone
17	TG-2611	Pinion Shaft Bearing Cup
18	TG-2612	Pinion Bearing Washer
19	TG-2613	Posi Lock Nut (Right Hand)
20	TG-2617	Posi Lock O-Ring
21	TG-2618	Posi Lock Retainer
22	TG-2619	Pinion Retaining Ring Spacer
23	TG-2620	Pinion Retaining Plate
24	TG-2622	Retaining Plate Locking Tab
25	TG-2621	3/8-16 x 1 Retaining Plate Bolts
26	TG-SET+Set #	Gear Sets
27	TG-2302	Ball Bearing (Rear Cover)
28	TG-2313	Rear Cover Gasket
29	TG-2303	Gear Cover Without Bearings
30	TG-2075	Steel High Nut
31	TG-2607	Low Drag Pinion Bearing
32	TG-2308	5/16 Diameter Steel Balls
33	TG-2307	Gear Cover Studs 3/8-16 x 1.5
34	TG-2503	Lower Heat Treated Jackshaft
35	TG-2504	Lower Shaft Front Bearing
36	TG-2701	Outer Seal Plate O-Ring
37	TG-2702	Seal Plate Snap Ring
38	TG-2704	Viton Yoke Seal
39	TG-2713	Inner Seal Plate O-Ring

## REAR END EXPLODED VIEW



ITEM NO.	PART NO.	DESCRIPTION
40	TG-2705	Seal Plate Aluminum
41	TG-2708	Yoke Spacer
42	TG-2709	Drive Yoke 1310
43	TG-2706	3/8 Flat Washer
44	TG-2707	3/8-16 x1.25 Seal Plate Bolts
45	TG-2711	Drive Yoke Retaining Washer
46	TG-2712	Drive Yoke Bolt 3/8-24x1.25
47	TG-2207	Side Bell Thrubolt 7/16-20x5 1/2
48	TG-2209	Side Bell Thrubolt SAE Flat Washer 7/16
49	TG-2210	Side Bell Thrubolt 7/16-20 Flanged Lock Nut
50	TG-2208	Side Bell Bolt 7/16-14 1.25
51	TG-2624	1/2-13 Adjusting Screw
52	TG-2626	Aluminum Flat Washer
53	TG-2627	1/2-1/3 Jam Nut
54	TG-2628	Thrust Block
55	TG-2211	Side Bell Tube Bolt 3/8-24x1
56	TG-2213	3/8 Flat Washer
57	TG-2102	Inspection Plug With O-Ring



#### TIGER REAR END KITS



#### **STANDARD KIT:**

- Aluminum 6 Rib Bells
- Aluminum Spool
- Standard Ring and Pinion Bearing
- Heat Treated Lower Jackshaft
- Standard Carrier and Yoke Seals
- HD Rear Cover with Bearings
- Posi Lock Nut Assembly
- Pinion Nose Roller Bearing
- 4:86 Ring and Pinion

#### **LOW DRAG KIT:**

- Aluminum 6 Rib Bells
- Aluminum Spool
- Low Drag Pinion Bearing
- Low Drag Yoke Seals
- Low Drag Carrier Seals
- Heat Treated Lower Jackshaft
- HD Rear Cover with Bearings
- Posi Lock Nut Assembly
- Pinion Nose Roller Bearing
- # 4:86 Polished Ring and Pinion

## QUICK CHANGE REAR END OPTIONS:

- EDM Ring Gear
- Polished Ring and Pinion
- Aluminum Standard Locker
- Aluminum Light Weight Locker
- Ultra Light Weight Spools
- Gundrilled Lower Shaft
- 4:12 Ring and Pinion
- Diamond Track
- Gleason
- Thermal Coating TG-2936
- Aluminum Tubes





## **ALUMINUM AND MAGNESIUM BELLS**

PART NO.	DESCRIPTION
TG-2201	Aluminum 6 Rib / Right Side Bell
TG-2202	Aluminum 6 Rib / Left Side Bell
TG-2201BA	Bert Aluminum Right Side Bell (For Aluminum Smart Tubes)
TG-2202BA	Bert Aluminum Left Side Bell (For Aluminum Smart Tubes)
TG-2216	Bell Inspcetion Plug With O-Ring
TG-2406	Side Bell Inner Bearing Race
TG-2203	6 Rib Side Bell O-Ring
TG-2037	Complete Thrust Block Kit For Left Side Bell
TG-2219	Complete Side Bell Bolt Kit
TG-2217	8 Rib Side Bell O-Ring
TG-2204	Low Drag Locker Seals
TG-2226	Aluminum 8 Rib / Right Side Bell
TG-2227	Aluminum 8 Rib / Left Side Bell
TG-M2226	Magnesium 8 Rib / Right Side Bell
TG-M2227	Magnesium 8 Rib / Left Side Bell



**AVAILABLE WITH** 

**OPTIONAL THERMAL** 

COATING!



TG-2037 Thrust Block Kit (For Left Side)





TG-2216 Inspection Plug With O-Ring



TG-2204 Low Drag Locker Seal



TG-M2227 Magnesium 8 Rib Left Side Bell

TG-2203 6 Rib Side Bell O-Ring

TG-2217 8 Rib Side Bell O-Ring

TG-2400

TG-2431



#### Lockers & Differentials

#### LOCKERS AND TORQUE SENSING DIFFERENTIALS

TG-2400	31 Spline Steel Gleason Differential		-
TG-2403	31 Spline Aluminum QC Locker (Standard)		
TG-2403L	31 Spline Aluminum QC Locker With Left Side Lock Up		
TG-2413	31 Spline Black Gold Differential	TG-24	29
TG-2429	31 Spline Aluminum Light Weight QC Locker		89
TG-2429L	31 Spline Aluminum Light Weight QC Locker With Left S	ide Lock Up	
TG-2431	31 Spline Diamond Track Differential		

#### **LOCKER PARTS**

TG-2427

TG-2406RP

TG-2204 Low Drag Locker Seal TG-2404 15 Tooth Locker Internal Assy (Fits Light Weight Or Standard Lockers) TG-2404L 15 Tooth Locker Internal Assy With Left Side Lock Up (Fits LW Or STD Lockers) TG-2433 Orange Spring (55 lbs.) TG-2405 TG-2432 Blue Spring (65 lbs.) Yellow Spring TG-2405 Yellow Spring (75 lbs.) TG-2430 Purple Spring (88 lbs.) TG-2437 White Spring (100 lbs.) TG-2409\* Standard Aluminum Locker Housing TG-2410\* Standard Aluminum Locker Cap TG-2430 TG-2414\* Lightweight Aluminum Locker Housing Purple Spring TG-2415\* Lightweight Aluminum Locker Cap TG-2426 Left Side Lock Up Plate for Locker TG-2438 Snap Ring for Standard and Light Weight Locker TG-2426 Left Side TG-2425 Spacer Ring Light Weight Locker

TG-2407RP 368S Carrier Bearings (REM Polished) \* Must be sold as a set





Spacer for Standard Locker

368A Carrier Bearings (REM Polished)

TG-2204 Low Drag Locker Seal

TG-2406RP TG-2407RP Carrier Bearings



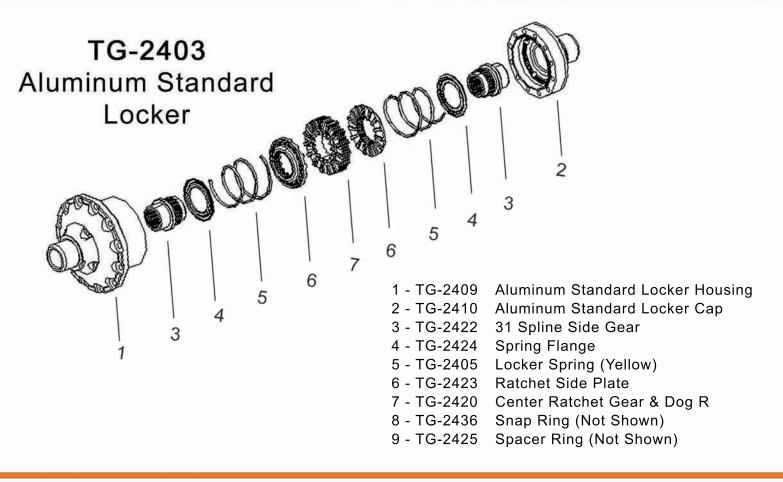


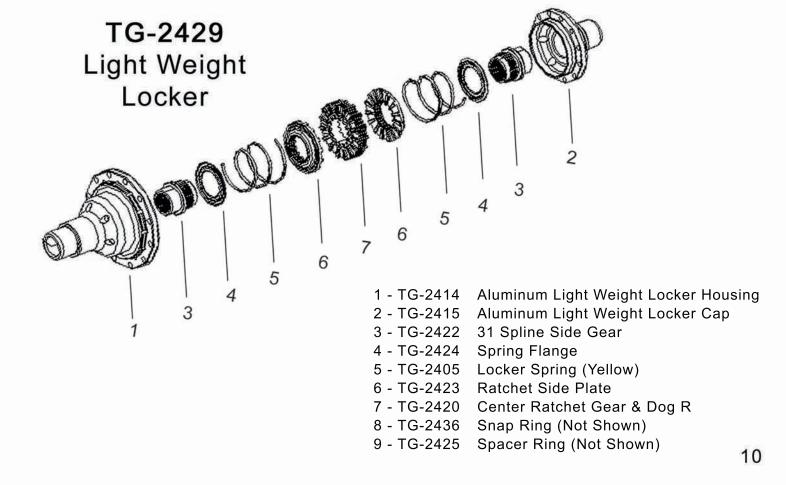
Lock Up Plate

TG-2404 Locker Internal Assembly

#### EXPLODED LOCKER VIEW









## SPOOLS

PART		CRIPT	

TG-2401	31 Spline Aluminum Spool (Standard)
TG-2402	31/33 Spline Bert Aluminum Spool (Light Weight)
TG-2428	31 Spline Ultra Light Weight Spool
TG-2401S	31 Spline Aluminum Spool With 2 030 Bearing Diameter







TG-2402 Bert Aluminum Light Weight Spool



## SEALS

PART	NO.	DESCRIPTION

TG-2810	Low Drag Hub Seal (Fits Howe)
TG-2816	Low Drag Hub Seal (Fits Wilwood)
TG-2204	Low Drag Locker Seals
TG-2703	Low Drag Yoke Seals
TG-2704	Viton Yoke Seal
TG-2205	Standard Locker Seal
TG-2811	Rear Hub Seal
TG-2817	Super Speedway Hub Seal
TG-2818	Short Track Low Drag Seal

TG-2810 Low Drag Hub Seal

TG-2204 Low Drag Locker Seal

TG-2818 Short Track Low Drag Seal TG-2703 Low Drag Yoke Seal



TG-2811 Rear Hub

Seal



TG-2205 Standard Locker Seal



# COMPLETE LOW DRAG BEARING AND SEAL KIT



PART NO.	DESCRIPTION
TG-2203	(2) 6-Rib Side Bell O-Rings
TG-2204	(2) Low Drag Carrier Seals
TG-2406RP	Carrier Bearings (Polished)
TG-2302	Rear Cover Bearings
TG-2313	Rear Cover Gasket
TG-2408	Shim Kit
TG-2501	Rear Lower Shaft Bearing
TG-2504	Front Lower Shaft Bearing
TG-2606	Pinion Nose Roller Bearing
TG-2607	Low Drag Pinion Shaft Bearing
TG-2701	Seal Plate O-Ring
TG-2703	Low Drag Yoke Seal

#### RING GEAR & PINION & LOW DRAG BEARING & SEAL KITS

KIT NO.	DESCRIPTION
TG-2221	4.86 Light Weight Ring Gear & Pinion, Includes TG-2023
TG-2222	4.12 Light Weight Ring Gear & Pinion, Includes TG-2023



## RING AND PINIONS

PART NO.	DESCRIPTION	2008
TG-2042	Loaded 4.86 Ring & Pinion Standard (Timken Bearing)	44411
TG-2043	Loaded 4.86 Ring & Pinion Low Drag (Angular Contact Bea	aring) TG-2049 Loaded Ring
TG-2048	Loaded 4.12 Ring & Pinion Standard (Timken Bearing)	& Pinion
TG-2049	Loaded 4.12 Ring & Pinion Low Drag (Angular Contact Bea	aring)
TG-2602	4.12 TIGER Ring & Pinion	
TG-2601	4.86 TIGER Ring & Pinion	

#### COMPONENT PARTS

PART NO.	DESCRIPTION	
TG-2919	Ultra Light Weight Ring Gear	
TG-2912	EDM Process To Ring Gears	
TG-2900	Machine Hex In Customer Pinion For Pump Drive	
TG-2952	Cryogenic Gear Treatment	
TG-2606	Pinion Nose Roller Bearing	
TG-2607	Low Drag Pinion Shaft Bearing (Angular Contact)	TG-2919
TG-2610	Standard Pinion Shaft Bearing Cone (Timken)	Ultra Light Weight Ring Gear
TG-2611	Standard Pinion Shaft Bearing Cup (Timken)	
TG-2612	Pinion Bearing Washer	
TG-2608	Low Drag Flanged Pinion Shaft Bearing (Angular Co	ntact)
TG-2054	Ring Gear Thru Bolt Kit	
TG-2055	Threaded Ring Gear Bolt Kit	
TG-2056	Posi Lock Kit (Left Hand)	
TG-2057	Posi Lock Kit (Right Hand)	

TG-2054 Ring Gear Thru Bolt Kit

> TG-2608 Low Drag Flanged Pinion Shaft Bearing







TG-2607 Low Drag Pinion Shaft Bearing

#### HUBS, BEARINGS AND RACES



## HUBS, BEARINGS AND RACES

PART NO.	DESCRIPTION	
TG-3119	2 Piece Drive Flange For Cambered Tubes	2000
TG-3011	Aluminum Adapter Cap For Drive Flange	
TG-3121	Wide 5 Cambered Drive Flange (5 Bolt Pattern)	
TG-3122	Wide 5 Cambered Drive Flange (8 Bolt Pattern)	A STATE OF THE STA
TG-3124	Billet One Piece Hub	
TG-3125	Drive Flange	
TG-3003	Wide 5 Outer Bearing	
TG-3003P	Wide 5 Outer Bearing (Polished)	
TG-3004	Wide 5 Inner Bearing	TO 0101
TG-3004P	Wide 5 Inner Bearing (Polished)	TG-3124 Billet One
TG-3005	Wide 5 Outer Bearing Race	Piece Hub
TG-3005P	Wide 5 Outer Bearing Race (Polished)	
TG-3006	Wide 5 Inner Bearing Race	
TG-3006P	Wide 5 Inner Bearing Race (Polished)	TG-3119 2 Piece Cambered
TG-3013	2 1/2" Grand National Timken Bearing Race	Drive Flange
TG-3013P	2 1/2" Grand National Timken Bearing Race (Polished)	
TG-3014	2 1/2" Grand National Timken Bearing	
TG-3014P	2 1/2" Grand National Timken Bearing (Polished)	C June



TG-3006P Wide 5 Inner Bearing Race (Polished) TG-3004P Wide 5 Inner Bearing (Polished)



TG-3003P Wide 5 Outer Bearing (Polished) TG-3005P Wide 5 Outer Bearing Race (Polished)





(5 Bolt Pattern)

#### WHEEL BEARING KITS

# TG-3028KP Wide 5 Tiger Bearing Set Polished TG-3031KPS Wide 5 Tiger Bearing Set Polished With Low Drag Seals TG-3029KTP Wide 5 Timken Bearing Set Polished TG-3030KTPS Wide 5 Timken Bearing Set Polished With Low Drag Seals TG-3032KT Timken Performance Hub Bearing Kit (One Hub) TG-3038 Timken Wheel Bearing Grease



TG-3032KT Timken Hub Bearing Kit (One Hub)



TG-3038 Timken Wheel Bearing Grease



## SUSPENSION

PART NO.	DESCRIPTION	CAMBER
TG-3015L	Truck Arm Pad (Left)	
TG-3015R	Truck Arm Pad (Right)	
TG-3116	Tie Bar (One Side)	
TG-3117	Tie Bar Kit (Complete)	
TG-3018	Aluminum Spacer	
TG-3019	Aluminum 16 Bolt Brake Bracket Adapter	
TG-3020	Wide 5 16 Bolt Brake Bracket	STRAIGHT
TG-3021	Wide 5 16 Bolt Brake Bracket	.5 DEGREE
TG-3022	Wide 5 16 Bolt Brake Bracket	1.0 DEGREE
TG-3023	Wide 5 16 Bolt Brake Bracket	1.5 DEGREE
TG-3020	5 on 5 16 Bolt Brake Bracket	STRAIGHT
TG-3024	5 on 5 16 Bolt Brake Bracket	.5 DEGREE
TG-3025	5 on 5 16 Bolt Brake Bracket	1.0 DEGREE
TG-3026	5 on 5 16 Bolt Brake Bracket	1.5 DEGREE
TG-3012	16 Bolt Brake Bracket Assembled	
TG-3016	GN Cambered Brake Bracket	
TG-3034	GM Style Weld On Brake Bracket	



TG-3016 GN Cambered Brake Bracket



TG-3020 (Straight)



TG-3012 16 Bolt Brake Bracket Assembled



TG-3015 L/R Truck Pads



TG-3117 (Complete) TG-3116 (One Side) Tie Bar Kit

#### 3" AXLE TUBES & SNOUTS



#### COMPLETE AXLE TUBE ASSEMBLY



Axle

Solid Axle

#### Wide 5



DESCRIPTION	MATERIAL	CAMBER	P/N ASSY.	P/N SNOUT ONLY
Wide 5 Tube & Snout Assy	STEEL	STRAIGHT	TG-2060	TG-2849
Wide 5 Tube & Snout Assy	STEEL	.5 DEGREE	TG-2051	TG-2850
Wide 5 Tube & Snout Assy	STEEL	1.0 DEGREE	TG-2052	TG-2851
Wide 5 Tube & Snout Assy	STEEL	1.5 DEGREE	TG-2084	TG-2852
Wide 5 Tube & Snout Assy	CHROME MOLY	STRAIGHT	TG-2063	TG-2820
Wide 5 Tube & Snout Assy	CHROME MOLY	.5 DEGREE	TG-2053	TG-2821
Wide 5 Tube & Snout Assy	CHROME MOLY	1.0 DEGREE	TG-2085	TG-2822
Wide 5 Tube & Snout Assy	CHROME MOLY	1.5 DEGREE	TG-2086	TG-2823
Wide 5 Tube & Snout Assy w/Steel Snout	ALUMINUM	STRAIGHT	TG-2071	N/A
Wide 5 One Piece Tube & Snout Assy	ALUMINUM	STRAIGHT	TG-2073	N/A
Wide 5 Bert Aluminum Smart Tube	ALUMINUM	STRAIGHT	TG-2112	N/A
31 Spline Solid Axle	STEEL		TG-3002	
31 Spline Gundrilled Axle	STEEL		TG-3001	
Wide 5 16 Bolt Tube	ALUMINUM		TG-2121	
Wide 5/5 Tube	ALUMINUM		TG-2120	











## COMPLETE AXLE TUBE ASSEMBLY

2" GN 5 ON 5

TG-2069 Tube & Snout (2.5 Degree)



DESCRIPTION	MATERIAL	CAMBER	P/N ASSY.	P/N SNOUT ONLY
2" GN Tube & Snout Assy	STEEL	STRAIGHT	TG-2061	TG-2831
2" GN Tube & Snout Assy	STEEL	.5 DEGREE	TG-2093	TG-2832
2" GN Tube & Snout Assy	STEEL	1.0 DEGREE	TG-2104	TG-2833
2" GN Tube & Snout Assy	STEEL	1.5 DEGREE	TG-2105	TG-2834
2" GN Tube & Snout Assy	STEEL	2.0 DEGREE	TG-2106	TG-2835
2" GN Tube & Snout Assy	STEEL	2.5 DEGREE	TG-2069	TG-2836
2" GN Tube & Snout Assy	CHROME MOLY	STRAIGHT	TG-2064	TG-2825
2" GN Tube & Snout Assy	CHROME MOLY	.5 DEGREE	TG-2107	TG-2826
2" GN Tube & Snout Assy	CHROME MOLY	1.0 DEGREE	TG-2108	TG-2827
2" GN Tube & Snout Assy	CHROME MOLY	1.5 DEGREE	TG-2109	TG-2828
2" GN Tube & Snout Assy	CHROME MOLY	2.0 DEGREE	TG-2110	TG-2829
2" GN Tube & Snout Assy	CHROME MOLY	2.5 DEGREE	TG-2111	TG-2824

TG-3003P Wide 5 Outer Bearing (Polished)

TG-3005P Wide 5 Outer Bearing Race (Polished)



TG-3006P Wide 5 Inner Bearing Race (Polished)



TG-3004P Wide 5 Inner Bearing (Polished)

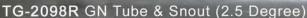
#### 3" AXLE TUBES & SNOUTS



## COMPLETE AXLE TUBE ASSEMBLY

2 1/2" GN 5 ON 5

TG-2062R GN Tube & Snout (Straight)





DESCRIPTION	MATERIAL	CAMBER	P/N ASSY. I	P/N SNOUT ONLY
2 1/2" GN Tube & Snout Assy (Right)	STEEL	STRAIGHT	TG-2062R	TG-2830R
2 1/2" GN Tube & Snout Assy (Left)	STEEL	STRAIGHT	TG-2062L	TG-2830L
2 1/2" GN Tube & Snout Assy (Right)	STEEL	1.0 DEGREE	TG-2078R	TG-2859R
2 1/2" GN Tube & Snout Assy (Left)	STEEL	1.0 DEGREE	TG-2078L	TG-2859L
2 1/2" GN Tube & Snout Assy (Right)	STEEL	1.5 DEGREE	TG-2097R	TG-2860R
2 1/2" GN Tube & Snout Assy (Left)	STEEL	1.5 DEGREE	TG-2097L	TG-2860L
2 1/2" GN Tube & Snout Assy (Right)	STEEL	2.0 DEGREE	TG-2077R	TG-2862R
2 1/2" GN Tube & Snout Assy (Left)	STEEL	2.0 DEGREE	TG-2077L	TG-2862L
2 1/2" GN Tube & Snout Assy (Right)	STEEL	2.25 DEGREE	TG-2096R	TG-2863R
2 1/2" GN Tube & Snout Assy (Left)	STEEL	2.25 DEGREE	TG-2096L	TG-2863L
2 1/2" GN Tube & Snout Assy (Right)	STEEL	2.5 DEGREE	TG-2098R	TG-2864R
2 1/2" GN Tube & Snout Assy (Left)	STEEL	2.5 DEGREE	TG-2098L	TG-2864L
2 1/2" GN Tube & Snout Assy (Right)	CHROME MOLY	STRAIGHT	TG-2065R	TG-2865R
2 1/2" GN Tube & Snout Assy (Left)	CHROME MOLY	STRAIGHT	TG-2065L	TG-2865L
2 1/2" GN Tube & Snout Assy (Right)	CHROME MOLY	1.0 DEGREE	TG-2099R	TG-2866R
2 1/2" GN Tube & Snout Assy (Left)	CHROME MOLY	1.0 DEGREE	TG-2099L	TG-2866L
2 1/2" GN Tube & Snout Assy (Right)	CHROME MOLY	1.5 DEGREE	TG-2058R	TG-2868R
2 1/2" GN Tube & Snout Assy (Left)	CHROME MOLY	1.5 DEGREE	TG-2058L	TG-2868L
2 1/2" GN Tube & Snout Assy (Right)	CHROME MOLY	2.0 DEGREE	TG-2079R	TG-2869R
2 1/2" GN Tube & Snout Assy (Left)	CHROME MOLY	2.0 DEGREE	TG-2079L	TG-2869L
2 1/2" GN Tube & Snout Assy (Right)	CHROME MOLY	2.25 DEGREE	TG-2083R	TG-2870R
2 1/2" GN Tube & Snout Assy (Left)	CHROME MOLY	2.25 DEGREE	TG-2083L	TG-2870L
2 1/2" GN Tube & Snout Assy (Right)	CHROME MOLY	2.5 DEGREE	TG-2053R	TG-2871R
2 1/2" GN Tube & Snout Assy (Left)	CHROME MOLY	2.5 DEGREE	TG-2053L	TG-2871L



TG-3014 2 1/2" GN Bearing

TG-3013 2 1/2" GN Bearing Race TG-2807 Snout Lock Washer



TG-2808 Snout Lock Nut





#### 2" GN 5 ON 5 BOLT ON SNOUTS

PART NO.	DESCRIPTION	CAMBER
TG-2853	2" GN 5 On 5 Bolt On Snouts	STRAIGHT
TG-2853BB	2" GN 5 On 5 Bolt On Snouts (For Tiger Brake Bracket)	STRAIGHT
TG-2854	2" GN 5 On 5 Bolt On Snouts	.5 DEGREE
TG-2854BB	2" GN 5 On 5 Bolt On Snouts (For Tiger Brake Bracket)	.5 DEGREE
TG-2855	2" GN 5 On 5 Bolt On Snouts	1.0 DEGREE
TG-2855BB	2" GN 5 On 5 Bolt On Snouts (For Tiger Brake Bracket)	1.0 DEGREE
TG-2856	2" GN 5 On 5 Bolt On Snouts	1.5 DEGREE
TG-2856BB	2" GN 5 On 5 Bolt On Snouts (For Tiger Brake Bracket)	1.5 DEGREE
TG-2857	2" GN 5 On 5 Bolt On Snouts	2.0 DEGREE
TG-2857BB	2" GN 5 On 5 Bolt On Snouts (For Tiger Brake Bracket)	2.0 DEGREE

#### **WIDE 5 BOLT ON SNOUTS**

PART NO.	DESCRIPTION	CAMBER
TG-2839	Wide 5 Bolt On Snouts	STRAIGHT
TG-2839BB	Wide 5 Bolt On Snouts (For Tiger Brake Bracket)	STRAIGHT
TG-2840	Wide 5 Bolt On Snouts - Heat Treated	STRAIGHT
TG-2841	Wide 5 Bolt On Snouts	.5 DEGREE
TG-2841BB	Wide 5 Bolt On Snouts (For Tiger Brake Bracket)	.5 DEGREE
TG-2842	Wide 5 Bolt On Snouts	1.0 DEGREE
TG-2842BB	Wide 5 Bolt On Snouts (For Tiger Brake Bracket)	1.0 DEGREE
TG-2843	Wide 5 Bolt On Snouts	1.5 DEGREE
TG-2843BB	Wide 5 Bolt On Snouts (For Tiger Brake Bracket)	1.5 DEGREE
TG-2845	16 Bolt Weld In Adaptor (For Steel Tubes)	
TG-2846	16 Bolt Weld In Adaptor (For Chrome Moly Tubes12	0 Wall)
TG-2848	Wide 5 Eight Bolt Collar For Seal	
TG-2848BB	Wide 5 Eight Bolt Collar For Seal (For Tiger Brake Bra	icket)
TG-2848OR	O-Ring For Collar (TG-2848 - TG-2848BB)	



-TG-2848

TG-2845 (For Steel)
TG-2846 (For Chrome Moly)

These adapters can be used with any 8 bolt snout for more adjustability in camber and toe.

TG-3012 16 Bolt Tube (Shown With Optional Brake Bracket Assembly)

TG-2848BB--

TG-2067

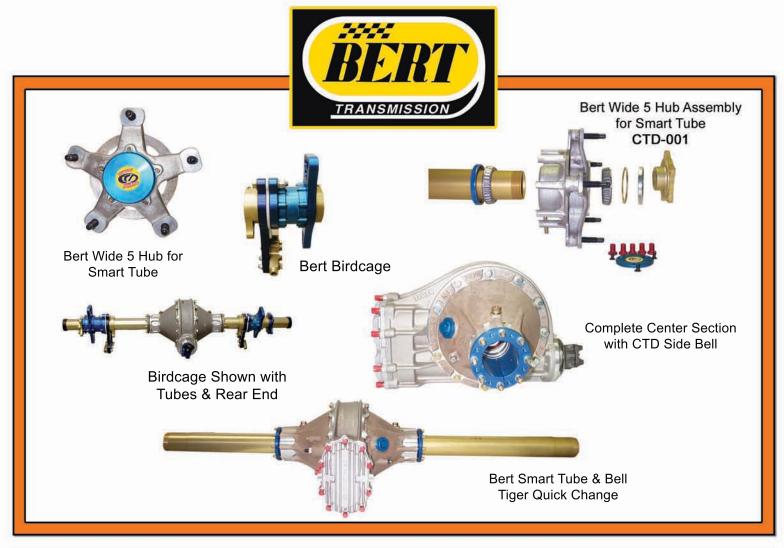
TG-2819 Wilwood Low Drag Hub Seal (For Aluminum Snouts Only)

TG-2066 - 16 Bolt Chrome Moly Tube

TG-2067 - 16 Bolt Steel Tube

#### PARTS BY BERT & TIGER GEAR OIL









## 10" SPRINT & QUICK CHANGE CENTER SECTIONS

PART NO.	DESCRIPTION
TG-2101	Aluminum 10" Sprint Center
TG-M2101	Magnesium 10" Sprint Center
TG-2021	Aluminum Standard 10" Center Section Kit
TG-2022	Aluminum Low Drag 10" Center Section Kit
TG-M2021	Magnesium Standard 10" Center Section Kit
TG-M2022	Magnesium Low Drag 10" Center Section Kit
TG-2936	Optional Thermal Coating (Includes Thermal Coating of

Center, Bells, Rear Cover and Front Seal Plate)



TG-2101 Aluminum 10" Sprint Center



When mounting

on pinion,the pinion must be

machined for hex



TG-2046 (Pinion)
TG-2047 (Jackshaft)

Rear Cover With Bearings & Pump



0" SPRINT & QUICK CHANGE CENTER COMPONENTS

PART NO.	DESCRIPTION	
TG-2030		G-2031
TG-2031		al Plate sembly
TG-2703	Low Drag Yoke Seal	Combin
TG-2704	Viton Yoke Seal	
TG-2038	Magnesium HD Rear Cover With Bearings	
TG-2044	Aluminum HD Rear Cover With Bearings	TG-2703
TG-2046	Magnesium HD Rear Cover With Bearings & Pump (For Pinion)	Low Drag
TG-2047	Magnesium HD Rear Cover With Bearings & Pump (For Jackshaft	Yoke Seal
TG-2039	Magnesium HD Cover With Bearings and Pump Mount Machined	
TG-2040	Rear Cover Pump Kit For Pinion (Includes Lines, Brackets, Coole	r & Fittings)
TG-2089	Rear Cover Pump Kit For Jackshaft (Includes Lines, Brackets, Co	oler & Fittings)
TG-2087	Rear Cover Pump Only (Jackshaft)	
TG-2088	Rear Cover Pump Only (Pinion)	

## CENTER SECTIONS COMPONENTS



#### 10" SPRINT & QUICK CHANGE CENTER COMPONENTS

	PART NO.	DESCRIPTION		TG-2076	
	TG-2076	Rear Cover High Nut Kit (Ste	el)	M	
	TG-2070	Rear Cover High Nut Kit (Alu	minum)		(Fig.)
	TG-2306	Rear Cover Stud Kit	,		
	TG-2092	Replacement Hex Pinion For	Pump	TG-2070	
	TG-2094	Rear End Cooler			
	TG-2502	Heat Treated Gun Drilled Jac	kshaft	TO 2002	
	TG-2506	Heat Treated Hex Drive Gun	Drilled Jackshaft	TG-2092	
	TG-2503	Heat Treated Solid Jackshaft			
	TG-2102	Inspection Plug With O-Ring	For Sprint Center		
	TG-2302	Gear Cover Bearings For HD	Cover	100	
	TG-2501	Rear Jackshaft Bearing			
	TG-2504	Front Jackshaft Bearing		TG-262	2
	TG-2620	Pinion Retaining Plate (Steel	)		Son The Son
	TG-2622	Pinion Retaining Plate Tabs		A A	06
	TG-2709	1310 Drive Yoke			
	TG-2710	1310 Drive Yoke With Pulley		TG-2	709
	TG-2716	1350 Drive Yoke With Pulley			
	TG-2714	1350 Drive Yoke			
	TG-2718	1350 Yoke Straps			
	TG-2717	1310 Yoke Straps		TG-2716	6
	TG-2720	1310 U Bolts			TG-2717
	TG-2711	Drive Yoke Retaining Washe	With Bolt		TG-2718
	TG-2708	Drive Yoke Spacer			
	TG-2095	# 6 Rear End Cooler Fittings			
				Tro	2700
		TG-2503		.0	G-2708
			Hex Dri	10	
TG-	2502		Het		
		N			
-		raft	TG-2506		
		Option to Polish Any Jackshaft			
		to Polish All	TO 0744	TO	G-2620
	2037	1 Option	TG-2711	6	
	TG-293				
_					49
Comp	olete Kit- <b>TG-2040</b> (Pi <b>TG-2089</b> (Ja		2712		
	10-2003 (00	acksilait)			
	All this	TG-2095 When mounting on			
TG-2039		pinion, the	The state of the s		
	Transfer of the same	pinion must be machined for	6		
		hex drive.	0 .		
at the					TG-2102
(0)		TG-2087	(Shown With Optional Pump	1	
		TG-2087 TG-2088	Optional Pump Cooling Kit)	o & I	22



#### Tools For Serious Racers!





## Tools For Serious Racers!



Pit Sockets



TG-5102
Tiger Rear End fixture tool for checking the straightness of a rear end.



**CALL FOR FURTHER DETAILS!** 



Sportsman



## SPLINE QUICK CHANGE GEAR CHART



**Professional** 

GEAR SET	4.11 Ring & Pinion	No of	4.86 Ring & Pinion	4.57 Ring & Pinion
NO. - TG-SET: -	(9-27 Teeth)	No. of	(7-34 Teeth)	T. T. T.
	Low High	Teeth	Low High	Low High
1	4.11 4.11	28/28	4.86 4.86	4.57 4.57
2	3.96 4.26	27/28	4.68 5.04	4.74 4.41
5	3.94 4.28	24/25	4.66 5.07	4.76 4.38
15	3.90 4.33	19/20	4.61 5.12	4.81 4.34
15K	3.85 4.38	15/16	4.56 5.18	4.88 4.28
26	3.83 4.41	27/29	4.52 5.24	4.91 4.25
6	3.78 4.46	23/25	4.47 5.28	4.96 4.21
25	3.74 4.52	20/22	4.42 5.35	5.03 4.16
12	3.68 4.58	26/29	4.36 5.42	5.09 4.10
7	3.63 4.64	23/26	4.30 5.49	5.16 4.04
7K	3.58 4.69	21/24	4.23 5.54	5.22 4.00
17	3.55 4.76	19/22	4.19 5.63	5.29 3.95
8K	3.49 4.83	17/20	4.13 5.71	5.37 3.89
8	3.48 4.85	22/26	4.11 5.75	5.40 3.86
19	3.45 4.89	21/25	4.08 5.78	5.44 3.84
9K	3.42 4.93	25/30	4.05 5.83	5.48 3.81
9	3.39 4.97	19/23	4.01 5.88	5.53 3.77
11	3.35 5.04	22/27	3.96 5.97	5.61 3.72
3	3.31 5.10	25/31	3.92 6.03	5.67 3.68
13	3.29 5.14	20/25	3.89 6.08	5.71 3.65
18	3.25 5.19	19/24	3.85 6.13	5.77 3.62
4K	3.21 5.26	18/23	3.80 6.21	5.84 3.58
4	3.18 5.31	24/31	3.76 6.28	5.90 3.54
20	3.16 5.34	20/26	3.74 6.32	5.94 3.51
22	3.12 5.41	19/25	3.69 6.39	6.01 3.47
16	3.08 5.48	24/32	3.65 6.48	6.09 3.43
10	3.04 5.55	20/27	3.60 6.56	6.17 3.38
34	3.00 5.63	19/26	3.55 6.65	6.25 3.34
14	2.95 5.72	23/32	3.50 6.76	6.35 3.29
14K	2.93 5.76	20/28	3.47 6.81	6.40 3.26
35	2.91 5.80	17/24	3.44 6.86	6.49 3.24
32K	2.87 5.89	23/33	3.39 6.97	6.56 3.18
24	2.83 5.96	20/29	3.35 7.04	6.63 3.15
36	2.80 6.04	17/25	3.30 7.15	6.72 3.11
37	2.78 6.07	23/34	3.29 7.18	6.76 3.09
23	2.74 6.16	18/27	3.24 7.29	6.85 3.05
21	2.69 6.28	17/26	3.18 7.43	6.99 2.99
27	2.66 6.35	22/34	3.15 7.51	7.06 2.96
43	2.63 6.42	16/25	3.11 7.59	7.14 2.93
28	2.60 6.49	19/30	3.08 7.67	7.22 2.89
29	2.57 6.58	15/24	3.04 7.77	7.31 2.86
30	2.53 6.67	16/26	2.99 7.89	7.43 2.81
41	2.49 6.77	17/28	2.95 8.00	7.53 2.77
31	2.46 6.85	21/35	2.91 8.10	7.62 2.74
33K	2.43 6.94	16/27	2.88 8.20	7.71 2.71
33	2.41 7.00	17/29	2.85 8.28	7.79 2.68
31K	2.39 7.05	14/24	2.83 8.33	7.83 2.66
30K	2.37 7.12	15/26	2.80 8.42	7.92 2.64





## TIGER REAR ENDS WEIGHT CHART

Complete Dirt Rear- Magnesium Center, Aluminum Bells, Aluminum Tubes, Spool,
Standard Lower Shaft 4:1286lbs.
1 Piece Aluminum Tube - 32 Inches Long
Standard W5 32 Inches Long
CM W5 32 Inches Long11.76lbs.
Quick Change Standard Gear Set 166.28lbs.
Quick Change Lite Weight Gear Set 164.82 lbs.
8 Rib Right Bell Magnesium6.80lbs.
8 Rib Left Bell Magnesium5.82lbs.
Ultra Light Weight Ring Gear6.2lbs.
Light Weight Locker
Standard Locker
Light Weight Spool5.08lbs.
Standard Spool
Ring and Pinion11.2lbs.
4.86 Standard Ring Gear9.8lbs.
4.86 Light Weight8.9lbs.
4.12 Standard8.32lbs.
Standard Jackshaft5.22lbs.
Light Jackshaft3.96lbs.
Aluminum High Nuts Set Of 10pcs
Standard High Nuts Set Of 10pcs
Aluminum Right Bell9.54lbs.
Aluminum Left Bell8.38lbs.
Aluminum Center Section
Magnesium Center Section
Standard Quick Change Rear End119lbs.
Solid Lower Shaft5.50lbs.



### TIGER SPECIFICATIONS

Threaded Ring Gear Bolts	55Ft/lbs
Non-Threaded Ring Gear Bolt / Locknut	55Ft/lbs
Pinion Retaining Plate	35Ft/lbs
Side Bell Thru Bolts	40Ft/lbs
Side Bell Stud Bolts	40Ft/lbs
Seal Plate	35Ft/lbs
Drive Yoke	50Ft/lbs

(Criss-Cross Pattern On All Bolts)

Pinion Bearing Rotational	Preload (New)	20~25 in/lbs
Timken Only		

Pinion Bearing Rotational Preload (Used) 8~10 in/lbs

Timken Only

Carrier Preload Aluminum Spool .010
Aluminum Locker .010
Steel Spool 0.015

Ring & Pinion Backlash 0.008~0.012
Thrustblock Clearance 0.008~0.010

(1/8~1/4 turn)

Heating Temperature 200-250 degrees

#### **BREAK-IN PROCEDURE:**

Use 90w gear oil for the first race, first test, or first practice. Afterwards use preferred synthetic oil.

#### **IMPORTANT!!**

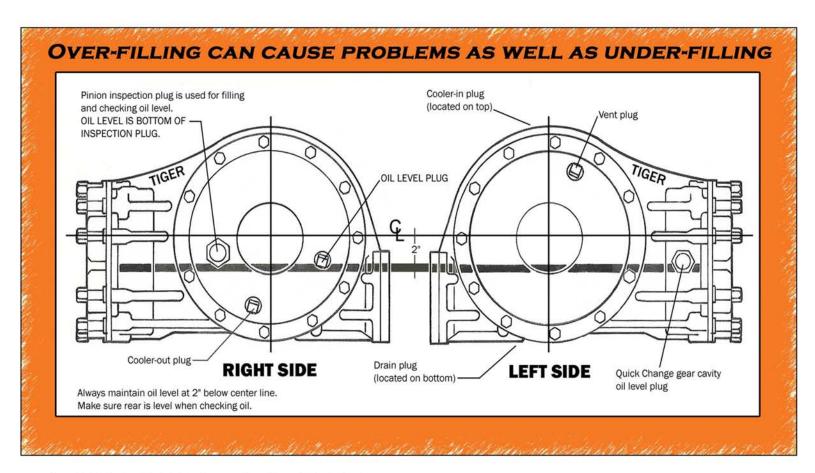
OVER-FILLING CAN CAUSE PROBLEMS AS WELL AS UNDER-FILLING!

<sup>\*</sup>Always use anti seize when threading into aluminum



# OIL FILL & PLUMBING INSTRUCTIONS

## Oil Fill & Plumbing Instructions for Pump



BUILT BY

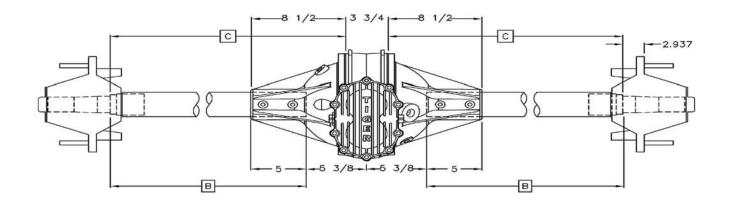
RACERS!



#### How To Measure Tube Length

Tiger measures all tubes from the B-Dimension.

The B-Dimension is the area on the snout where the inner hub bearing seats against to the end of the tube; this includes the 5" installed in the bell.

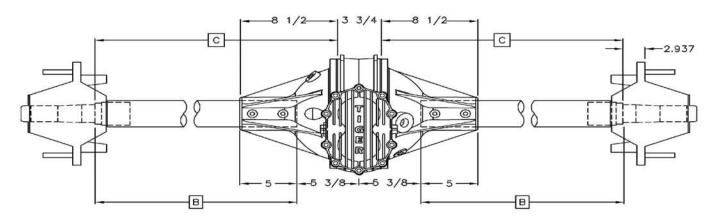


How to measure tubes already installed in the bell:

- Measure from the outer end of the bell to the B-Dimension on the snout (where the inner hub bearing seats)
- •Add 5" for what is in the bell
- •This will give you the proper B-Dimension Tube Length



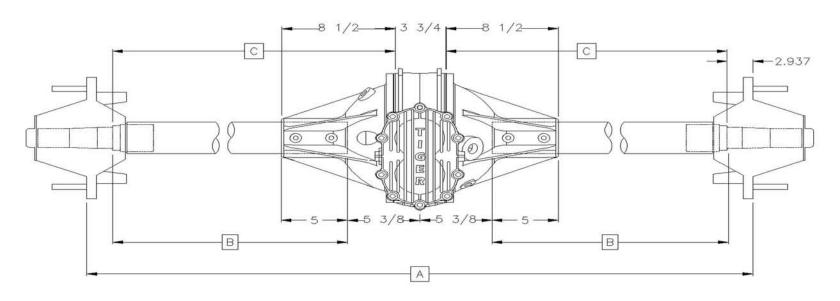
## DIMENSIONAL TECH SHEET



Tube Lengths B-DIM.	Axle lengths for spool, STD Locker,	Axle Lengths for L/W Locker	Axle Length for L/W locker
W/5 1	Gleason, Diamond Track	2 with -1-1/4 leftside 3	w/ + 1-1/4 right side
22"	34	32.5	35
22.5"	34.5	33	35.5
23"	35	33.5	36
23.5"	35.5	34	36.5
24"	36	34.5	37
24.5"	36.5	35	37.5
25"	37	35.5	38
25.5"	37.5	36	38.5
26"	38	36.5	39
26.5"	38.5	37	39.5
27"	39	37.5	40
5 x 5 2" PIN			
22'	32	31	33.5
22.5"	32.5	31.5	34
23"	33	32	34.5 35
23.5"	33.5	32.5	35
24"	34	33	35.5
24.5"	34.5	33.5	36
25"	35	34	36.5
25.5"	35.5	34.5	37
26"	36	35	37.5
26.5"	36.5	35.5	38
27"	37	36	38.5
x 5 G.N. 2-1/2 PIN			
19.5"	28.5	27	29.5
20"	29	27.5	30
20.5"	29.5	28	30.5
21"	30	28.5	31
21.5"	30.5	29	31.5
22"	31	29.5	32
22.5"	31.5	30	32.5
23"	32	30.5	33
23.5"	32.5	31	33.5
24"	33	31.5	34



# Measurements For Track Width & Off Set

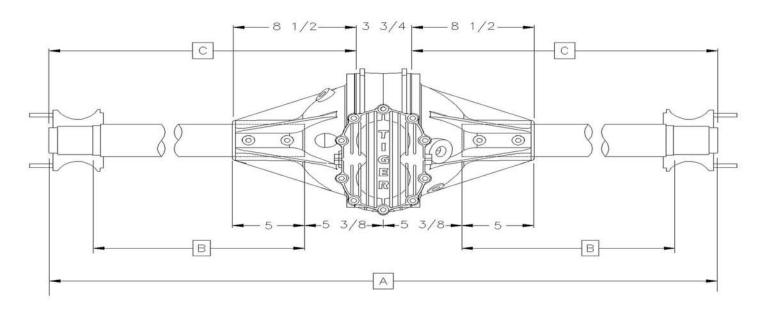


#### STANDARD WIDE 5, HUBFACE TO HUBFACE

Track Width	Equal Ler	ngthTubes	1" Offse	et Tubes	1-1/2' Of	set Tubes	2" Offse	et Tubes	2-1/2" Off	set Tubes	3" Offse	et Tubes
	L	R	L	R	L	R	L	R	L	R	L	R
52-1/2	17-3/4	17-3/4	16-3/4	18-3/4	16-1/4	19-1/4	15-3/4	19-3/4	15-1/4	20-1/4	14-3/4	20-3/4
53	18	18	17	19	16-1/2	19-1/2	16	20	15-1/2	20-1/2	15	21
53-1/2	18-1/4	18-1/4	17-1/4	19-1/4	16-3/4	19-3/4	16-1/4	20-1/4	15-3/4	20-3/4	15-1/4	21-1/4
54	18-1/2	18-1/2	17-1/2	19-1/2	17	20	16-1/2	20-1/2	16	21	15-1/2	21-1/2
54-1/2	18-3/4	18-3/4	17-3/4	19-3/4	17-1/4	20-1/4	16-3/4	20-3/4	16-1/4	21-1/4	15-3/4	21-3/4
55	19	19	18	20	17-1/2	20-1/2	17	21	16-1/2	21-1/2	16	22
55-1/2	19-1/4	19-1/4	18-1/4	20-1/4	17-3/4	20-3/4	17-1/4	21-1/4	16-3/4	21-3/4	16-1/4	22-1/4
56	19-1/2	19-1/2	18-1/2	20-1/2	18	21	17-1/2	21-1/2	17	22	16-1/2	22-1/2
56-1/2	19-3/4	19-3/4	18-3/4	20-3/4	18-1/4	21-1/4	17-3/4	21-3/4	17-1/4	22-1/4	16-3/4	22-3/4
57	20	20	19	21	18-1/2	21-1/2	18	22	17-1/2	22-1/2	17	23
57-1/2	20-1/4	20-1/4	19-1/4	21-1/4	18-3/4	21-3/4	18-1/4	22-1/4	17-3/4	22-3/4	17-1/4	23-1/4
58	20-1/2	20-1/2	19-1/2	21-1/2	19	22	18-1/2	22-1/2	18	23	17-1/2	23-1/2
58-1/2	20-3/4	20-3/4	19-3/4	21-3/4	19-1/4	22-1/4	18-3/4	22-3/4	18-1/4	23-1/4	17-3/4	23-3/4
59	21	21	20	22	19-1/2	22-1/2	19	23	18-1/2	23-1/2	18	24
59-1/2	21-1/4	21-1/4	20-1/4	22-1/4	19-3/4	22-3/4	19-1/4	23-1/4	18-3/4	23-3/4	18-1/4	24-1/4
60	21-1/2	21-1/2	20-1/2	22-1/2	20	23	19-1/2	23-1/2	19	24	18-1/2	24-1/2
60-1/2	21-3/4	21-3/4	20-3/4	22-3/4	20-1/4	23-1/4	19-3/4	23-3/4	19-1/4	24-1/4	18-3/4	24-3/4
61	22	22	21	23	20-1/2	23-1/2	20	24	19-1/2	24-1/2	19	25
61-1/2	22-1/4	22-1/4	21-1/4	23-1/4	20-3/4	23-3/4	20-1/4	24-1/4	19-3/4	24-3/4	19-1/4	25-1/4
62	22-1/2	22-1/2	21-1/2	23-1/2	21	24	20-1/2	24-1/2	20	25	19-1/2	25-1/2
62-1/2	22-3/4	22-3/4	21-3/4	23-3/4	21-1/4	24-1/4	20-3/4	24-3/4	20-1/4	25-1/4	19-3/4	25-3/4
63	23	23	22	24	21-1/2	24-1/2	21	25	20-1/2	25-1/2	20	26
63-12	23-1/4	23-1/4	22-1/4	24-1/4	21-3/4	24-3/4	21-1/4	25-1/4	20-3/4	25-3/4	20-1/4	26-1/4
64	23-1/2	23-1/2	22-1/2	24-1/2	22	25	21-1/2	25-1/2	21	26	20-1/2	26-1/2
64-1/2	23-3/4	23-3/4	22-3/4	24-3/4	22-1/4	25-1/4	21-3/4	25-3/4	21-1/4	26-1/4	20-3/4	26-3/4
65	24	24	23	25	22-1/2	25-1/2	22	26	21-1/2	26-1/2	21	27
65-1/2	24-1/4	24-1/4	23-1/4	25-1/4	22-3/4	25-3/4	22-1/4	26-1/4	21-3/4	26-3/4	21-1/4	27-1/4
66	24-1/2	24-1/2	23-1/2	25-1/2	23	26	22-1/2	26-1/2	22	27	21-1/2	27-1/2



# Measurements For Track Width & Off Set

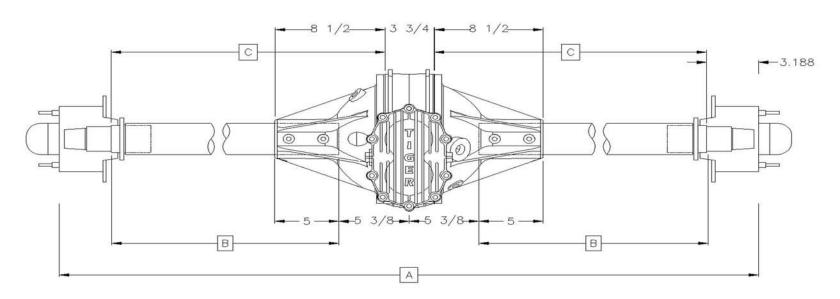


5 X 5 2" PIN HUBFACE TO HUBFACE

Track Width	Equal Le	ngthTubes	1" Offse	et Tubes	1-1/2' Off	set Tubes	2" Offse	et Tubes	2-1/2" Off	set Tubes	3" Offse	et Tubes
	L	R	L	R	L	R	L	R	L	R	L	R
52-1/2	18-3/8	18-3/8	17-3/8	19-3/8	16-7/8	19-7/8	16-3/8	20-3/8	15-7/8	20-7/8	15-3/8	21-3/8
53	18-5/8	18-5/8	17-5/8	19-5/8	17-1/8	20-1/8	16-5/8	20-5/8	16-1/8	21-1/8	15-5/8	21-5/8
53-1/2	18-7/8	18-7/8	17-7/8	19-7/8	17-3/8	20-3/8	16-7/8	20-7/8	16-3/8	21-3/8	15-7/8	21-7/8
54	19-1/8	19-1/8	18-1/8	20-1/8	17-5/8	20-5/8	17-1/8	21-1/8	16-5/8	21-5/8	16-1/8	22-1/8
54-1/2	19-3/8	19-3/8	18-3/8	20-3/8	17-7/8	20-7/8	17-3/8	21-3/8	16-7/8	21-7/8	16-3/8	22-3/8
55	19-5/8	19-5/8	18-5/8	20-5/8	18-1/8	21-1/8	17-5/8	21-5/8	17-1/8	22-1/8	16-5/8	22-5/8
55-1/2	19-7/8	19-7/8	18-7/8	20-7/8	18-3/8	21-3/8	17-7/8	21-7/8	17-3/8	22-3/8	16-7/8	22-7/8
56	20-1/8	20-1/8	19-1/8	21-1/8	18-5/8	21-5/8	18-1/8	22-1/8	17-5/8	22-5/8	17-1/8	23-1/8
56-1/2	20-3/8	20-3/8	19-3/8	21-3/8	18-7/8	21-7/8	18-3/8	22-3/8	17-7/8	22-7/8	17-3/8	23-3/8
57	20-5/8	20-5/8	19-5/8	21-5/8	19-1/8	22-1/8	18-5/8	22-5/8	18-1/8	23-1/8	17-5/8	23-5/8
57-1/2	20-7/8	20-7/8	19-7/8	21-7/8	19-3/8	22-3/8	18-7/8	22-7/8	18-3/8	23-3/8	17-7/8	23-7/8
58	21-1/8	21-1/8	20-1/8	22-1/8	19-5/8	22-5/8	19-1/8	23-1/8	18-5/8	23-5/8	18-1/8	24-1/8
58-1/2	21-3/8	21-3/8	20-3/8	22-3/8	19-7/8	22-7/8	19-3/8	23-3/8	18-7/8	23-7/8	18-3/8	24-3/8
59	21-5/8	21-5/8	20-5/8	22-5/8	20-1/8	23-1/8	19-5/8	23-5/8	19-1/8	24-1/8	18-5/8	24-5/8
59-1/2	21-7/8	21-7/8	20-7/8	22-7/8	20-3/8	23-3/8	19-7/8	23-7/8	19-3/8	24-3/8	18-7/8	24-7/8
60	22-1/8	22-1/8	21-1/8	23-1/8	20-5/8	23-5/8	20-1/8	24-1/8	19-5/8	24-5/8	19-1/8	25-1/8
60-1/2	22-3/8	22-3/8	21-3/8	23-3/8	20-7/8	23-7/8	20-3/8	24-3/8	19-7/8	24-7/8	19-3/8	25-3/8
61	22-5/8	22-5/8	21-5/8	23-5/8	21-1/8	24-1/8	20-5/8	24-5/8	20-1/8	25-1/8	19-5/8	25-5/8
61-1/2	22-7/8	22-7/8	21-7/8	23-7/8	21-3/8	24-3/8	20-7/8	24-7/8	20-3/8	25-3/8	19-7/8	25-7/8
62	23-1/8	23-1/8	22-1/8	24-1/8	21-5/8	24-5/8	21-1/8	25-1/8	20-5/8	25-5/8	20-1/8	26-1/8
62-1/2	23-3/8	23-3/8	22-3/8	24-3/8	21-7/8	24-7/8	21-3/8	25-3/8	20-7/8	25-7/8	20-3/8	26-3/8
63	23-5/8	23-5/8	22-5/8	24-5/8	22-1/8	25-1/8	21-5/8	25-5/8	21-1/8	26-1/8	20-5/8	26-5/8
63-12	23-7/8	23-7/8	22-7/8	24-7/8	22-3/8	25-3/8	21-7/8	25-7/8	21-3/8	26-3/8	20-7/8	26-7/8
64	24-1/8	24-1/8	23-1/8	25-1/8	22-5/8	25-5/8	22-1/8	26-1/8	21-5/8	26-5/8	21-1/8	27-1/8
64-1/2	24-3/8	24-3/8	23-3/8	25-3/8	22-7/8	25-7/8	22-3/8	26-3/8	21-7/8	26-7/8	21-3/8	27-3/8
65	24-5/8	24-5/8	23-5/8	25-5/8	23-1/8	26-1/8	22-5/8	26-5/8	22-1/8	27-1/8	21-5/8	27-5/8
65-1/2	24-7/8	24-7/8	23-7/8	25-7/8	23-3/8	26-3/8	22-7/8	26-7/8	22-3/8	27-3/8	21-7/8	27-7/8
66	25-1/8	25-1/8	24-1/8	26-1/8	23-5/8	26-5/8	23-1/8	27-1/8	22-5/8	27-5/8	22-1/8	28-1/8



# Measurements For Track Width & Off Set



#### G.N. 2-1/2" PIN HUBFACE TO HUBFACE W/ DRIVE FLANGES

Track Width	Equal Le	ngthTubes	1" Offse	et Tubes	1-1/2' Off	set Tubes	2" Offse	et Tubes	2-1/2" Off	set Tubes	3" Offse	et Tubes
	L	R	L	R	L	R	L	R	L	R	L	R
52-1/2	17-3/4	17-3/4	16-3/4	18-3/4	16-1/4	19-1/4	15-3/4	19-3/4	15-1/4	20-1/4	14-3/4	20-3/4
53	18	18	17	19	16-1/2	19-1/2	16	20	15-1/2	20-1/2	15	21
53-1/2	18-1/4	18-1/4	17-1/4	19-1/4	16-3/4	19-3/4	16-1/4	20-1/4	15-3/4	20-3/4	15-1/4	21-1/4
54	18-1/2	18-1/2	17-1/2	19-1/2	17	20	16-1/2	20-1/2	16	21	15-1/2	21-1/2
54-1/2	18-3/4	18-3/4	17-3/4	19-3/4	17-1/4	20-1/4	16-3/4	20-3/4	16-1/4	21-1/4	15-3/4	21-3/4
55	19	19	18	20	17-1/2	20-1/2	17	21	16-1/2	21-1/2	16	22
55-1/2	19-1/4	19-1/4	18-1/4	20-1/4	17-3/4	20-3/4	17-1/4	21-1/4	16-3/4	21-3/4	16-1/4	22-1/4
56	19-1/2	19-1/2	18-1/2	20-1/2	18	21	17-1/2	21-1/2	17	22	16-1/2	22-1/2
56-1/2	19-3/4	19-3/4	18-3/4	20-3/4	18-1/4	21-1/4	17-3/4	21-3/4	17-1/4	22-1/4	16-3/4	22-3/4
57	20	20	19	21	18-1/2	21-1/2	18	22	17-1/2	22-1/2	17	23
57-1/2	20-1/4	20-1/4	19-1/4	21-1/4	18-3/4	21-3/4	18-1/4	22-1/4	17-3/4	22-3/4	17-1/4	23-1/4
58	20-1/2	20-1/2	19-1/2	21-1/2	19	22	18-1/2	22-1/2	18	23	17-1/2	23-1/2
58-1/2	20-3/4	20-3/4	19-3/4	21-3/4	19-1/4	22-1/4	18-3/4	22-3/4	18-1/4	23-1/4	17-3/4	23-3/4
59	21	21	20	22	19-1/2	22-1/2	19	23	18-1/2	23-1/2	18	24
59-1/2	21-1/4	21-1/4	20-1/4	22-1/4	19-3/4	22-3/4	19-1/4	23-1/4	18-3/4	23-3/4	18-1/4	24-1/4
60	21-1/2	21-1/2	20-1/2	22-1/2	20	23	19-1/2	23-1/2	19	24	18-1/2	24-1/2
60-1/2	21-3/4	21-3/4	20-3/4	22-3/4	20-1/4	23-1/4	19-3/4	23-3/4	19-1/4	24-1/4	18-3/4	24-3/4
61	22	22	21	23	20-1/2	23-1/2	20	24	19-1/2	24-1/2	19	25
61-1/2	22-1/4	22-1/4	21-1/4	23-1/4	20-3/4	23-3/4	20-1/4	24-1/4	19-3/4	24-3/4	19-1/4	25-1/4
62	22-1/2	22-1/2	21-1/2	23-1/2	21	24	20-1/2	24-1/2	20	25	19-1/2	25-1/2
62-1/2	22-3/4	22-3/4	21-3/4	23-3/4	21-1/4	24-1/4	20-3/4	24-3/4	20-1/4	25-1/4	19-3/4	25-3/4
63	23	23	22	24	21-1/2	24-1/2	21	25	20-1/2	25-1/2	20	26
63-12	23-1/4	23-1/4	22-1/4	24-1/4	21-3/4	24-3/4	21-1/4	25-1/4	20-3/4	25-3/4	20-1/4	26-1/4
64	23-1/2	23-1/2	22-1/2	24-1/2	22	25	21-1/2	25-1/2	21	26	20-1/2	26-1/2
64-1/2	23-3/4	23-3/4	22-3/4	24-3/4	22-1/4	25-1/4	21-3/4	25-3/4	21-1/4	26-1/4	20-3/4	26-3/4
65	24	24	23	25	22-1/2	25-1/2	22	26	21-1/2	26-1/2	21	27
65-1/2	24-1/4	24-1/4	23-1/4	25-1/4	22-3/4	25-3/4	22-1/4	26-1/4	21-3/4	26-3/4	21-1/4	27-1/4
66	24-1/2	24-1/2	23-1/2	25-1/2	23	26	22-1/2	26-1/2	22	27	21-1/2	27-1/2

#### Quick-Change

#### REAREND MAINTENANCE PROCEDURES

Compiled by Bob Bolles Photos Courtesy of Tiger Rear Ends

When the season is over or when something breaks inside your rear end during the season, it is time to disassemble, repair or rebuild, and then reassemble your rear end. There are methods and tools available that will make your job go smoother, with better overall results. These tips may also help prevent costly mistakes.

#### DISASSEMBLY AND INSPECTION

When disassembling your rear end, make sure you note the condition of all the parts. When draining the rear end grease,



The bells and center sections are now available in black anodized or plain aluminum or titanium. The black coating reduces retained heat, which is the enemy of bearings, gears, differentials, and so on.



featured this article in the April 2006 issue!

see if there are any telltale metal bits or pieces that may indicate a part failure.

Look over the gear wear pattern as well as the bearing play and any obvious crack in the housing that may only be seen from the inside. Now is the time to decide whether to replace the center section, a right or left bell side, or one of the axle tubes.

#### CLEANING THE PARTS

After complete disassembly, clean the center section and all of the gears thoroughly. Again, when cleaning, note any strange wear patters or signs of stress in the housing bearing hangers and so on.

Once all of the parts have been cleaned and inspected, we must select the type of pinion bearing we are to use. There are standard or special low-friction bearings available. These LF types actually reduce rotational friction, and therefore reduce the horsepower needed to turn the rear-end. This increases the power to the rear wheels and would be a good choice based on cost versus benefits.

#### ASSEMBLE THE PINION

We are now ready to assemble the pinion. We press the new bearing onto the front of the pinion shaft. Add a small amount of anti seize to the threads of the pinion and install the pinion washer and the posi-lock nut by hand. Leave this untorqued for now.

Next, install the nose roller bearing at the rear of the pinion shaft. The pinion is

now assembled and ready to be installed into the center section.

Decide which type of lower shaft or jack shaft, as it is sometimes called, you will use. There are several choices: solid, gun drilled, or the type that is hexed at the rear for a solid or drilled oil pump drive. All of these can be polished. The lower shaft takes two bearings, front lower shaft and rear lower shaft.

It is advised, if space allows, to run the rear end oil pump off the pinion shaft. This slows down the speed of the pump by the same amount as the gear ratio of the rear end. Put the center section in an oven and heat to a temperature of 250 degrees F (not to exceed 300 degree F) for at least 15 minutes. This heats and expands the bearing holes for easy insertion so that after the section cools, the pinion and jack shaft bearings will be held tight. A pair of heavy welder's gloves will be needed when placing the center section into the oven and removing it from the oven.

After it has been sufficiently heated, take the center section out of the oven and lay it on its side. Install the pinion assembly with the nose roller bearing installed on the pinion shaft. Make sure you get the bearings to bottom out in the bearing bores. Because the casing is still hot, the bearings may not seat all of the way, and we want to make sure the bearings are fully seated.

Next, we install the lower shaft and slide the proper front and rear bearing in the lower shaft bearing bores, while again making sure they are fully seated. Now, let the center section sit and cool off.

After cooling, the center section is placed in a vise that has aluminum jaws. Install the rear cover studs if these are being replaced or have been removed on disassembly. At each threaded hole, we push a 5/16-inch steel ball to the bottom of the hole before installing the stud. This is done so that the stud will seat tightly against the ball and not stop at the untapped bottom portion of the threaded hole. Use red Loctite, putting a small amount on the whole thread

before screwing the studs.

Install the pinion retaining plate. This will involve using three locking tabs, and six 3/8x16x1-inch bolts. Use anti seize on all of the bolts and torque them to 35 ft.-lb. Do not use Loctite here because you will bend the locking tabs

over the bolt heads to secure them. The retaining plate also holds the rear

lower shaft bearing in place.

Next, torque the pinion nut. The reason we installed the cover studs first, is beacuse they will hold the special Tiger designed pinion torque tool. This tool holds the nut as we turn the pinion shaft from the rear to a torque of 150 ft.-lb for the low-friction bearings, or 25lb/in. rotational resistance for the standard Timken bearings. Now, install the posi-lock cap over the pinion nut. This keeps the pinion nut from backing off.

Next, install the yoke spacer onto the lower shaft to prevent the yoke from pressing on the seal and eventually ruining it.

A voke seal is then installed in the seal plate and held in place by a new retaining ring. Install the O-ring in the groove and attach the aluminum seal plate to the front. Fasten this plate using six cat washers and six 3/8x16x1 ½-inch bolts. Before tightening the plate, place a small amount of oil on the yoke surface and slide the drive yoke into the seal.

Apply blue Loctite to the bolts and then torque them to 35ft.-lb. With the drive yoke in place, put a small bead of silicone around the end of the lower shaft and the front edge of the yoke. This serves to seal between the

spline grooves to prevent oil leakage. Then, the 3/8x24x1 1/4-inch bolt and drive yoke retaining washer are installed and

torqued to 55 ft.-lb.



Special tools are used to press the bearings onto the pinion shaft. These ensure that the bearing goes on straight and is properly seated.

The pinion nut is held in place using a special tool that is held by the cover studs. Then, the pinion shaft is rotated to obtain the proper torque on the nut.

You will need to decide which type of differential to use. There are many choices available, and no matter which one you end up with, the process of the build is the same. Let's just say we are gong to use a spool, by far the cheapest of all and the most common.

We are ready to install our ring gear onto the differential, in this case the spool. We hand-prepare the surface (using a fine emery cloth, sandpaper, or a honing stone) on the back of the ring gear. Clean the area

thoroughly after preparation. The ring gear is threaded for 12 bolts. Red Loctite is applied to the threads in the ring gear holes before inserting the ring gear bolts. Applying Loctite to the holes instead of the bolts, prevents the possibility of Loctite seeping onto the surface of the ring gear between the gear and the differential. If anything gets between these two parts, the gear will not run true to the pinion and there will be trouble. Torque the ring gear bolts using a crossing pattern in three steps: first to



This little tool holds the jackshaft while you tighten and torque the voke nut.

35-ft.-lb, then to 45ft.-lb, and finally to 55 ft.-lb.

Now we can put our bells and axle tubes together. All tubes should be scribed so that they will be installed correctly. When using cambered tubes, it is critical to line up the tubes properly to prevent rotation, which will create unwanted toe in the rear wheels. This is very important to get right.

If you are going to run the tube seals, this is the time to install them into the axle tubes. Push them out toward the snout end so they will not be near the bell end of the axle tube as it is inserted into the hot bell.

The assembly of the bells is fairly simple. You have a left and a right side bell. Each bell is scribed with a 0-degree and 2-degree mark. Again, the heavy welder's gloves are needed. Place the bells into the oven and heat to 250 degrees F for 15 minutes. Once they are up to temperature, take one out, noting left from right. Make sure you put the left axle tube in the left bell and the right axle tube in the right bell while making sure the alignment marks are in line.

When using cambered axle tubes, the snouts are of an opposite angle side to side. Accidentally reversing the tubes would reverse the intended camber angle. A negative 1.5-degree tube properly mounted on the right side would still be negative 1.5-degree snout when mounted on the left side, where we really need the left side to be a positive camber.

After a few seconds of cooling, the tubes will become firmly married to the bells. At this point, turn the axle tube and bell assembly over and install the new bearing race into the bell, making sure they are fully seated. Then let the entire assembly cool.

If we have a new bell or axle tubes, we can drill and tap the bells and tubes to permanently attach them. We will be using 3/8x24x1 inch bolts for this. Now is the time to push the tube seals back into the tube toward the bell end. Upon completion, we will make sure the seal is between the two sets of axle tube bolts.

After the holes are drilled and tapped, and the edges of the holes are cleaned up, push the seal all the way back to

the bell end of the tube. Install the outer bolts (the ones toward the snout) using red Loctite, and then slide the tube seal out against the outer bolts while you install the three inner bolts, adding a small amount of red Loctite. Torque them all to 35ft.-lb. Now the tube seal is sandwiched between the two sets of bolts, keeping the seal from moving in or out in the tube.

Let the left tube and bell stand on end with the tube snout down. We thread it into our specially made stand built to hold the axle tube. The tube goes into this threaded collar while it is mounted and welded to a steel wheel. Now we have a base we can use to finish building the rear end. Some of the most critical steps are coming up.

We now have the left bell on the bottom with the differential bearing race facing up. Install the wear pad in the machined bore in the left bell and run it all of the way out for now. We are going to work on getting the lash and crush spacing correctly set. The lash is the spacing between the pinion gear and the ring gear, and the crush is the preload on the differential bearings.



Note the special stand that holds the axle tube. The snout is screwed into the stand. Using the tool puts the part within easy reach. You can build one of these at your shop.

This is a very important step. This part of the build may take the most time because you may have to press bearings on and off as well as add and subtract shims to get the right numbers. One trick is using setup bearings. These are temporary bearings that have been lightly honed and enlarged on the inside surface so they will slide easily over the spool. The final assembly will require pressing on new bearings.

As a starting point, we begin with a 0.020-0.025-inch stack of shims on the bottom of the spool behind the bearing, and then slide on a setup bearing. Now we will set the spool in the left bell, leaving the bell O-ring seals out until final assembly.

We will place our center section onto the left bell. While pressing down hard onto the spool, centered on the tapered bearing race, and holding the pinion still, turn the spool back and forth to estimate the lash. We want to feel around 0.010-inch or so of lash between the pinion and the ring gear. If it is too tight or too loose, you would add or remove shims

from the stack on the spool setup bearing until you get it close.

It is now time to place shims onto the top of the spool and under the bearing. Adding shims equaling about 0.060-inch will put you close. Now, slip your other setup bearing on the spool.

Place the right bell and tube over the spool and set it on the center section. If the bell fits on the spool bearing without rocking, you will need to add more shims to the top. We want the bell to end up approximately 0.010-inch off the center section before we tighten the center section bolts.

To get there, start out by placing 0.010 inch of shims at equal spacing in three places around and between the center section and bell. If you can, press down on the tube and bell with the shims in place without it rocking, we may need to add (and not remove) internal shims to achieve 0.010-inch crush spacing.

Add or remove shim spacing under the bell until the bell starts to rock. Then, add or remove small increments of the shims until there is no rocking and the shims fit the gap like a feeler gauge. Measure the final thickness of the bell shims and find the difference between their thickness and 0.010-inch. If the bell spacer shims are more than 0.010-inch,



Spacer shims are placed between the center section and the right bell to adjust for crush clearance. This is a trial-and-error way to obtain the correct shim spacing behind the differential bearing to arrive at 0.010-inch crush when tightening the bell to the center section.



Once the rearend has been bolted together and re-checked for gear lash, a final adjustment might be needed. That means the carrier bearings must be pulled. This tool pulls the pressed-on bearings without causing damge.

remove that difference from the shims behind the spool bearing to lower the bell to a 0.010-inch gap. If the bell spacer shims are less than 0.010-inch, add the difference to the shims behind the spool bearing to bring the gap up to 0.010-inch.

Once we have installed the correct amount of crush shims, we will check the gear lash. For backlash, we will tighten the right bell to the center section and use a lash tool attached to the pinion shaft. We need to see 0.010-0.012-inch of lash as we rotate the pinion gear against the ring gear. To adjust this lash, we will be moving small amounts

of the spool bearing shim stack from the right to the left if the last is too little, or from the left to right is the lash is too much.

We can now install our dial indicator to check the pinion-to-ring gear lash. The tool mounts onto one of the cover studs, and we slide a Tiger flag tool onto the pinion shaft. We can check the lash to the thousandths by rocking the pinion shaft back and forth, making sure to check the lash in several different places on the pinion gear. This means we check the lash in one position, then rotate the pinion shaft 90 degrees and do it again, all the way through 360 degrees.

This is a trial-and-error method that can take some time, but it is essential for optimum performance. Once we have arrived at the correct shim spacing, we will press the new differential bearings onto the spool,

leaving the shim stacks as they ended up. We will go back and reassemble the bells and center section and do the lash measurement process all over again.

Another unique tool is this pinion flag tool. It is specially designed to provide a surface on which to rest the dial indicator while checking for gear backlash. The distance from the center of the pinion shaft to the point where the indicator lies is the same as the distance to where the gears mesh. This way you get a true lash measurement, just as if you had measured between the actual gear teeth.

Most of the time it will come out the same, but if not, we may have to make a final fine adjustment by adjusting the shim spacing. Be sure to use a special bearing puller tool if you need to remove a pressed-on bearing to prevent damage to the bearing.

For final assembly, unbolt the rear, remove the right bell and center sections, and place the bell O-rings in their

We use the center section bolts to guide the bell into place. With the O-rings in place, mismatching the bell to center section might cause leaking later on.

grooves, beginning with the left bell. We need to use a light film of silicone around the mating surface of both of the bells and center section. Place two of the center section bolts into the center section and slide the center section down onto the left bell. Press the center section down, then take the two bolts out and place them in the right bell.

Now slide the right bell over the center section, using the bolts to line it up. Install the 10 through bolts and two stud bolts and torque them all to 40 ft.-lb using the crossing pattern.

As a final step, we will adjust the wear pad we installed in the left bell. Screw in the wear pad, or thrust block as it is also called, until it just barely touches the back of the ring gear, and back it off one-eighth of a turn. This should equal between

0.010-0.015-inch of clearance. This pad supports the ring gear on the back side of the rear end (opposite the pinion gear) if the front of the ring gear tries to move away from the pinion gear.

Install the rear end and fill it with rear end lubricant, checking for leaks. By using proper assembly techniques and quality parts, your racing rear end should provide many races of reliable performance before your next overhaul. If you are using a locker differential or one of the traction-sensing diffs, keep the heat in the rear end down by using a rear end cooler during long runs. Just as in brakes, heat is the enemy for rear ends.

#### FREQUENTLY ASKED QUESTIONS



# Here are the answers to our customer's most common questions...

- Q. What type of oil do Tiger Rear Ends run?
- A. At Tiger, we recommend Tiger H.P. synthetic 75/90 gear oil. However, some other synthetic oils will work.
  - Q. How much oil do I put in my Tiger Rear End?
- A. DO NOT OVER FILL- There is an inspection plug located on the right side of the bell. Fill it with the recommended oil to the bottom of the inspection hole.
  - Q. How often do I change the oil in my Tiger Rear End?
- A. Tiger Quick Change recommends that you change the oil in your rear end between 200-300 laps.
  - Q. How often do I change the locker springs?
  - A. This is determined by which springs you are using. PURPLE SPRINGS Every 4 to 5 races YELLOW SPRINGS Every 3 to 4 races
  - Q. When do you know that it is time to come in for a rebuild?
- A. We suggest that after a full race season you change seals, check bearings, and backlash along with clearance in the rear end.



## TIGER QUICK CHANGE POLICIES

#### WARRANTY

Products, and each part thereof, is sold AS IS, with no warranty, guarantee, or liability either expressed or implied, written or oral, applicable to *Tiger Quick Change*. User assumes all responsibility and liability from any loss, damage, or injury arising from the use of these products. *Tiger Quick Change* products are for racing purposes only, not for street or highway use.

#### PRICES

All prices are subject to change without notice. Distributor and quantity prices quoted upon request.

#### **TERMS**

All orders are shipped COD, or prepaid, unless other arrangements have been previously made. An open account, regardless of payment terms, will not be established with *Tiger Quick Change* until ALL proper application forms, credit references, and final approval have been fully processed. We reserve the right to make final decisions regarding customer account status. Returned checks are subject to a \$25.00 service charge.

#### RETURNS

NO products may be returned for any reason without prior approval. Special orders are non returnable. Return shipments must be prepaid. Returns are subject to a 15% restocking charge. You must contact *Tiger Quick Change* and request an authorization number, provide us with full and proper information regarding the details of the products to be returned, and a copy of the original invoice. You must also package the product(s) properly to ensure safe shipment and delivery to *Tiger Quick Change*. No returns after 45 days.

#### FOREIGN ORDERS

All foreign orders must be prepaid in advance, in full, and in U.S. currency. Funds must be a cashiers check drawn on a U.S. bank. Additional shipping, documentation and insurance costs may be applied.

#### DISCLAIMER

Every effort has been made to avoid printing errors in our brochure. We disclaim any responsibility for any application or specification errors. *Tiger Quick Change* reserves the right to make changes in design, materials, or specifications without incurring liability. Also, please be advised that *Tiger Quick Change* reserves the right to change the pricing in regards to this brochure without notice.



## Tiger Order Form



Order Date	<u> </u>	Date Required:	7	Serial No.:	_
Customer Name:					
				voice #:	
Description:	STD	LOW DRA	G	NON QUICK CHAN	GE
Bert M	lag. Bells:		Mag. Bells:	6 Rib	8 Rib
Mag. Center	Sections:		Alum Bells:	6 Rib	8 Rib
Alum Center	Sections:		Thermal Coat:		<u> </u>
Tube:	Mateial	Snout	Tube Length "B" Dimension	Camber	Axle Length
	Steel:	Wide 5:	Left:	Left:	Left:
	Chromoly:	5 on 5:	Right:	Right:	Right:
	Steel Snout:		Tube Seals		
1 Piece	Alum Tube:	GN:	1 or 2		
Ring / Pinion:	4.86	(EDM) LW_	<del></del> ē	1350 Yoke_	====
	4.12	REM Polished_		Yoke w/ Pulley_	
Lower Shaft:	4.12Standard:		es	Yoke w/ Pulley	71
Lower Shaft: Rear Pump & Co	Standard:			5274	
	Standard:	Gundrilled: _		REM Polished:	
Rear Pump & Co	Standard:	_ Gundrilled: _		REM Polished:	
Rear Pump & Co	Standard:  Poler: Pinion:  Spool:	Gundrilled:	LW Locker:	REM Polished:	
Rear Pump & Co	Standard:  Poler: Pinion:  Spool:  LW Spool:	Gundrilled:	LW Locker:	REM Polished:	
Rear Pump & Co Differential:	Standard:  Poler: Pinion: _  Spool:  LW Spool:  Locker:	Gundrilled:	LW Locker: nond Track: Bert Spool:	REM Polished:	
Rear Pump & Co Differential:	Standard:  Poler: Pinion: _  Spool:  LW Spool:  Locker:	Gundrilled:	LW Locker: nond Track: Bert Spool:	REM Polished:	
Rear Pump & Co Differential:  Yel	Standard:  Poler: Pinion: _  Spool:  LW Spool:  Locker:	Gundrilled:	LW Locker: nond Track: Bert Spool:	REM Polished:	
Rear Pump & Co Differential:  Yel	Standard:  Poler: Pinion: _  Spool:  LW Spool:  Locker:	Gundrilled:	LW Locker: nond Track: Bert Spool:	REM Polished:	



# TIGER HIGH PERFORMANCE SYNTHETIC GEAR OIL

Tiger's High Performance Gear Oil is a heavy-duty, extreme pressure gear lubricant compounded in a fully synthetic base. In addition to reducing friction and wear caused by extreme temperature, Tiger's HP Rear End Oil contains additives that prevent rust, oxidation, and corrosion from occurring as well as an anti foaming agent to maintain the top performance and extend the life of your Quick Change.

Tiger Synthetic HP rear End Oil is compatible with standard seal materials as well as mineral oil based products. No special system or flushing procedure is required to convert to Tiger Synthetic HP Rear End Oil.





TG-5200 5 GALLON

TG-5201 1 GALLON



## NOTES



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