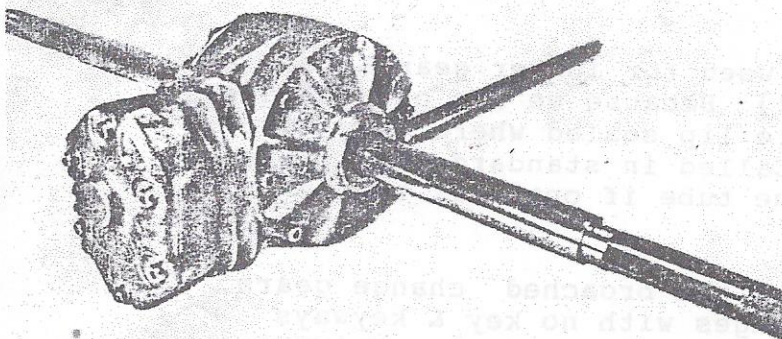
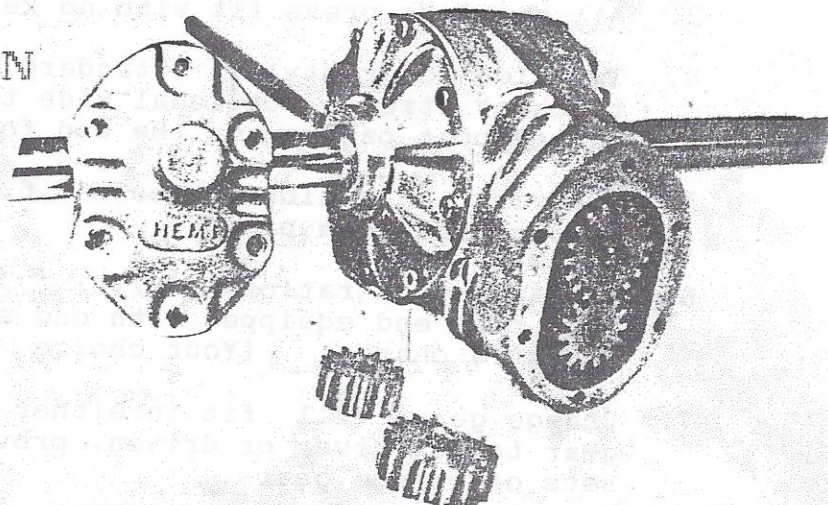


# NEW HEMI QUARTER SCALE QUICK CHANGE REAR END

\*\*\* BUILT AND CAST 355 ALUMINUM \*\*\*  
\*\*\* HEAT TREATED FULLY MACHINED \*\*\*

- \* TWO KING AND PINION RATIOS
- \* FIVE CHANGE GEAR RATIOS
- \* AXLES TO YOUR SPECS



Heat treated and machined cases for close tolerances

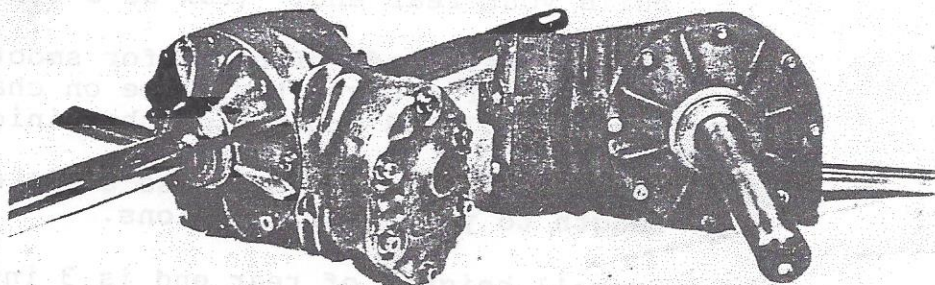
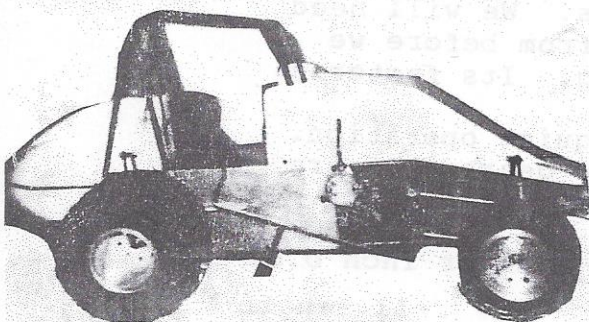
All ball bearing construction provides smooth quiet operation

Hypoid type gear lubricant assures constant bearing and gear lubrication

Ring and pinion gears are hardened steel in either 4.11 to 1 or 3.66 to 1

Brass change gears are hex broached and slip fit to hex pinion and lower shafts for quick gear changes

Five change gear sets available and by reversing driver with driven gear ten ratios possible



*H & L Auto Body*

(209) 875-8811

2238 Academy P O Box 153

Sanger, CA 93657



## HEMI QUICK CHANGE DATA SHEET

1. Cases 356 aluminum sand castings heat treated T-6 or magnesium alloy.
2. Fully machined.
3. All bearings press fit with no keepers or snaprings.
4. Two side cover styles: Standard narrow type for oval track or street; Optional wide type with 4 bolt 1" on center bolt pattern on the end for drag racing applications.
5. Two ring and pinion ratios: 3.66 to 1, or 7.17 to 1. Your choice same price.
6. 5 change gear ratios: 16/16; 17/15; 18/14; 19/13; 20/12. Each rear end equipped with one set only. Other sets at extra charge. (Your choice first set.)
7. Change gears will fit in either position allowing either gear to be driver or driven, providing 9 ratios from 5 sets of change gears.
8. 85/140 hypoid type gear lube used for longer gear & bearing life. **(NO SYNTHETICS PLEASE!)** Because we use oil not grease for lubrication all shafts are lip sealed where they exit the case. Front seal is installed in standard seal plate or seal is installed in torque tube if optional torque tube assembly is purchased.
9. Hex pinion and lower shaft and hex broached change gears allow for quick easy gear changes with no key & keyways to line up. Only 6 bolts on the rear cover also quicken gear changes.
10. Axles made to pruchasers specifications. We will need a drawing of your axle design to work from before we build your rear end. (Fax us a drawing. Its faster.)
11. Change gears made of brass for smooth quiet operation. If any wear occurs it will be on change gears that are easily replaced and not on the pinion or lower shaft.
12. Lower shaft of 304 stainless steel one quarter inch o.d. Length to your specifications.
13. Overall height of rear end is 3 inches. Overall length is 4 3/4 inches. Overall width is 2 3/4 inches with narrow side cover. Overall width with wide side cover varies from 5" to 6" depending on your application.

ON

PART NAME	PART NO.	QUANTITY	PRICE
DRAG REAR	H1000W	1	475.00
SPRINT REAR	H1000	1	450.00
MAIN HOUSING	H1001	1	89.95
SIDE COVER	H1002	2	29.95
REAR COVER	H1003	1	29.95
RING & PINION	H1004	2 PCS.	99.95
PINION BRGS.	H1005	2	8.95EA.
PINION COLLAR	H1006	1	4.95
LOWER SHAFT	H1007	1	34.95
LWR SHFT FRT BRG	H1008	1	9.95
LWR SHFT RR BRG	H1009	1	6.50
LWR SHFT SEAL	H1010	1	4.75
FRT SEAL PLATE	H1011	1	25.50
AXLE	H1012	1	79.95
AXLE BRGS.	H1013	2	9.95 EA
AXLE SEALS	H1014	2	7.75 EA.
CHANGE GEARS	H1015	2 16/16	19.95 SET
CHANGE GEARS	H1016	2 15/17	19.95 SET
CHANGE GEARS	H1017	2 14/18	19.95 SET
CHANGE GEARS	H1018	2 13/19	19.95 SET
CHANGE GEARS	H1019	2 12/20	19.95 SET
FASTNERS	H1020	34	4.50 SET
TORQUE TUBE	H1023	1	39.75
TORQUE BALL	H1024	1	59.50
REAR HUBS	H1025	2	22.50 EA.
PRESSURE PLATE	H1026	2	11.29 EA.
REAR BRG. CAGE	H1027	2	34.50 EA
FRT WHEEL/HALF	H1028		34.95 EA
FRT WHEEL/FULL	H1029		41.09 EA.
REAR WHEEL/HALF	H1030		47.88 EA.
REAR WHEEL/FULL	H1031		67.89 EA.
Bead Lock Wheels			P.O.R.

Quick change housing, side covers, and rear cover are sand cast from A356 aluminum heat treated and sand blasted. All parts are fully machined for close tolerances and precision fit. All bearings are press fit to the case. Pinion bearings and lower shaft bearings are interference fit to the shafts. Ring and pinion are hardened spiral bevel gears available in either 3.66 or 7.17 to 1 ratios. Change gears are hard brass 20 pitch 20 degree pressure angle.

All parts in stock and ready for immediate shipment.

H & L Auto body  
2238 Academy  
Sanger, CA. 93657  
Phone (209) 875-8811 FAX (209) 875-9012



# TOTAL AVAILABLE GEAR RATIOS USING TWO DIFFERENT FINAL DRIVE RATIOS.

2.20 to 1
2.49 to 1
2.85 to 1
3.22 to 1
3.66 to 1
4.14 to 1
4.30 to 1
4.72 to 1
4.88 to 1
5.34 to 1
5.59 to 1
6.11 to 1
6.31 to 1
7.17 to 1
8.10 to 1
9.25 to 1
10.47 to 1
11.97 to 1

MORE RATIOS WILL BE AVAILABLE SOON!

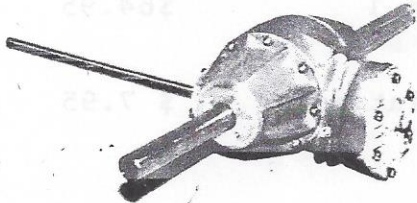
## CHANGE GEAR CHART USING 3.66 to 1 Ring & Pinion

12 over 20 = 2.20 to 1
13 over 19 = 2.49 to 1
14 over 18 = 2.85 to 1
15 over 17 = 3.22 to 1
16 over 16 = 3.66 to 1
17 over 15 = 4.14 to 1
18 over 14 = 4.72 to 1
19 over 13 = 5.34 to 1
20 over 12 = 6.11 to 1

## CHANGE GEAR CHART USING 7.17 to 1 Ring & Pinion

12 over 20 = 4.30 to 1
13 over 19 = 4.88 to 1
14 over 18 = 5.59 to 1
15 over 17 = 6.31 to 1
16 over 16 = 7.17 to 1
17 over 15 = 8.10 to 1
18 over 14 = 9.25 to 1
19 over 13 = 10.47 to 1
20 over 12 = 11.97 to 1

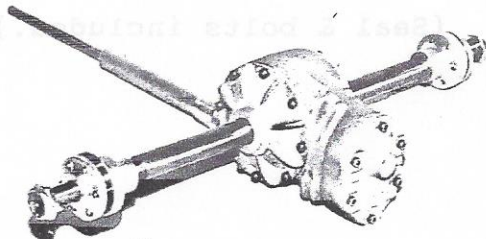
H & L Auto Body  
3338 Academy  
Gardner, CA. 95627  
Phone (209) 875-8811  
Fax (209) 875-9012



HEMI drag style quick change.  
Specify axle lgth. and change  
gear combination.

\$475.00

1 set of change gears included.

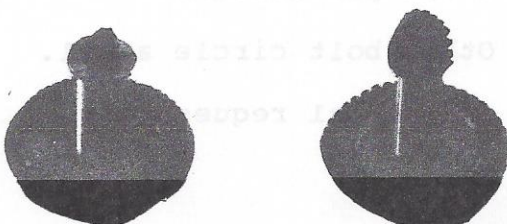


HEMI oval track quick change.  
Specify axle lgth. and end  
configuration also change  
gear combination.

(7/16 hex end on axle fits  
our hubs.)

\$450.00

1 set of change gears included.



2 Ring and pinion ratios:

7:17 to 1  
3:66 to 1

See change gear charts to  
select best ratios for your  
applications.



Clutch housing and bell  
assm. with bearings.

Fits Zenoah G2D engine.

(Attachment ring not  
shown.) \$64.95

U-joint assm. \$ 7.95



Torque tube assm. to  
attach to clutch housing  
making complete closed  
drive line. \$99.25

(Seal & bolts included.)



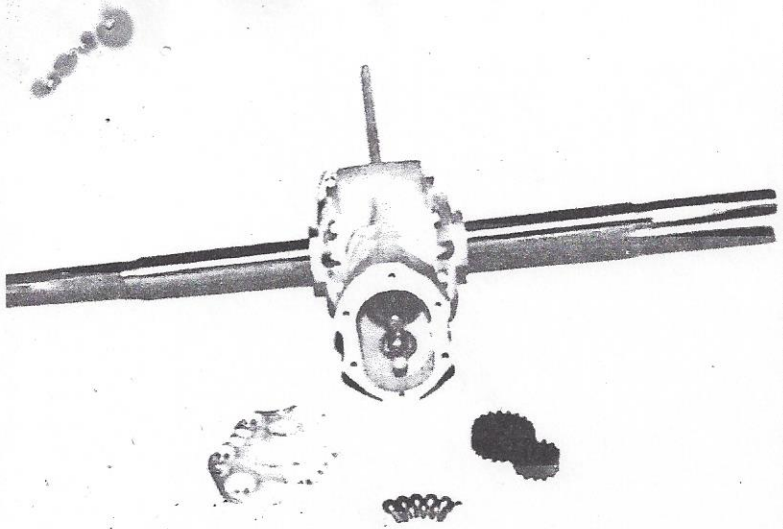
Six pin hubs with pressure  
plates and nuts. \$33.79

per side. (3 pcs)

1 1/8 pin circle.

Other bolt circle avail.  
on special request.

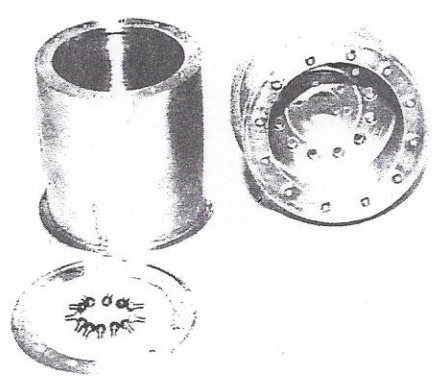




Brass change gears hex  
broached.

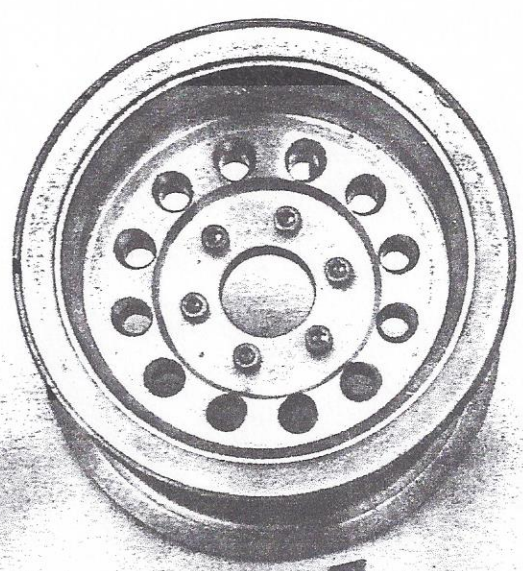
- 16 - 16
- 17 - 15
- 18 - 14
- 19 - 13
- 20 - 12

\$19.95 set



Lock ring wheels  
centered or offset. Up to  
5½ inched wide.  
1 1/8 bolt circle  
(Custom bolt patterns to  
your specs.) \$79.97 ea.

Note: Front hubs available  
to match rear.



Standard wheels 1" to 5"  
1 1/8 pattern or custom.

Front:	full	\$41.09
	half	34.95
Rear:	full	67.89
	half	47.88