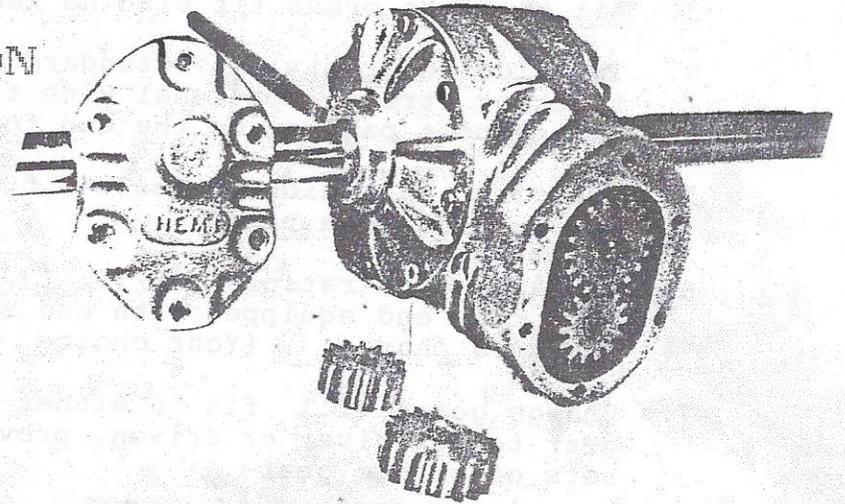


NEW HEMI QUARTER SCALE QUICK CHANGE REAR END

*** SAND CAST 356 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

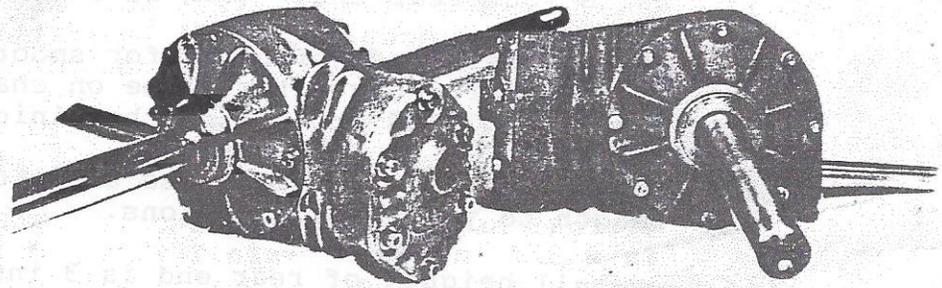
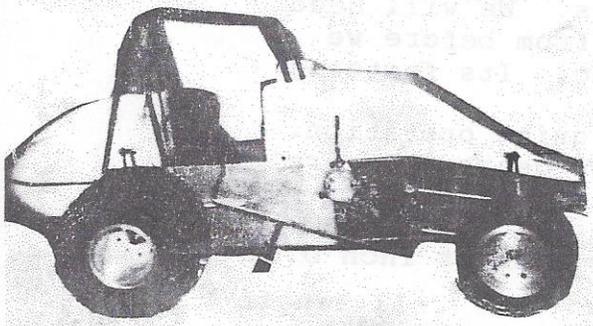
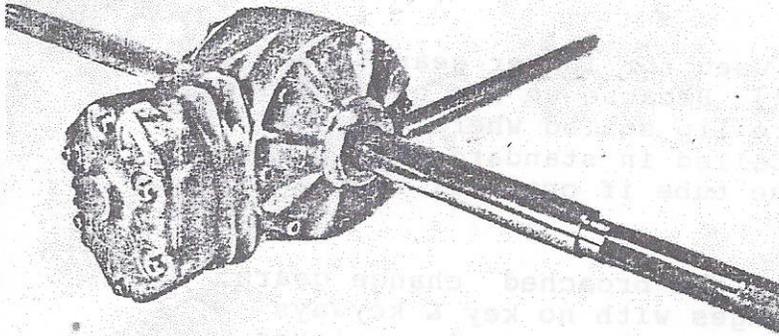
All ball bearing construction provides smooth quiet operation

Hypoid type gear lubricant assures constant bearing and gear lubrication

Ring and pinion gears are hardened steel in either 4.17 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.

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.

PRICE	QUANTITY	PART NO.	PART NAME
475.00	1	H1000	DRAG REAR
29.95	1	H1001	MAIN HOUSING
29.95	1	H1002	SIDE COVER
29.95	1	H1003	REAR COVER
29.95	1	H1004	RING & PINION
8.95EA	1	H1005	PINION BRSS.
4.95	1	H1006	PINION COLLAR
24.95	1	H1007	LOWER SHAFT
4.95	1	H1008	LWR SHFT FRT BRG
6.50	1	H1009	LWR SHFT RR BRG
4.95	1	H1010	LWR SHFT BEAL
22.50	1	H1011	FRT BEAL PLATE
29.95	1	H1012	AXLE
9.95 EA	1	H1013	AXLE BRSS.
7.75 EA	1	H1014	AXLE SEALS
19.95 SET	1	H1015	CHANGE GEARS
19.95 SET	1	H1016	CHANGE GEARS
19.95 SET	1	H1017	CHANGE GEARS
19.95 SET	1	H1018	CHANGE GEARS
19.95 SET	1	H1019	CHANGE GEARS
4.95 SET	1	H1020	FASTENERS
29.75	1	H1021	TORQUE TUBE
29.50	1	H1022	TORQUE BALL
22.50 EA	1	H1023	REAR HUBS
9.95 EA	1	H1024	PRESSURE PLATE
24.50 EA	1	H1025	REAR BRG. CASE
24.95 EA	1	H1026	FRT WHEEL HALL
41.00 EA	1	H1027	FRT WHEEL HALL
47.88 EA	1	H1028	REAR WHEEL HALL
67.84 EA	1	H1029	REAR WHEEL HALL

- 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!

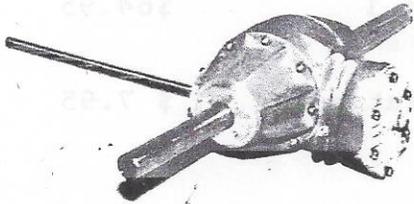
CHANGE GEAR CHART USING
3.66 to 1 Ring & Pinion

- 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

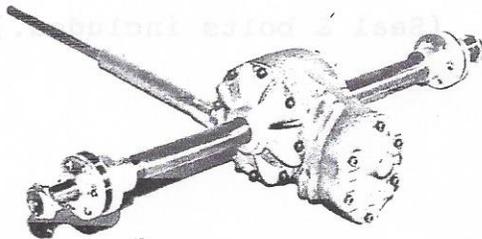
H & L Auto Body
3238 Academy
Ganger, CA. 95627
Phone (509) 875-8811 FAX (509) 875-9012



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

\$475.00

1 set of change gears included.

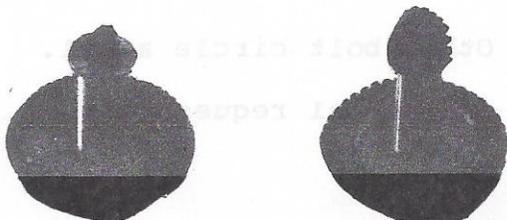


HEMI oval track quick change.
Specify axle lgth. and end
configuration also change
gear combination.

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

\$450.00

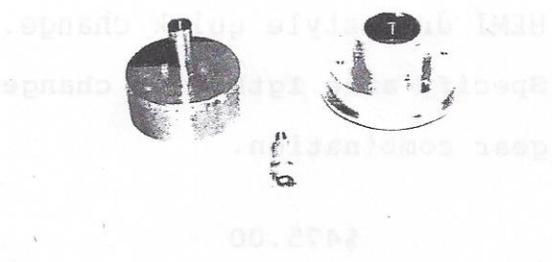
1 set of change gears included.



2 Ring and pinion ratios:

7:17 to 1
3:66 to 1

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

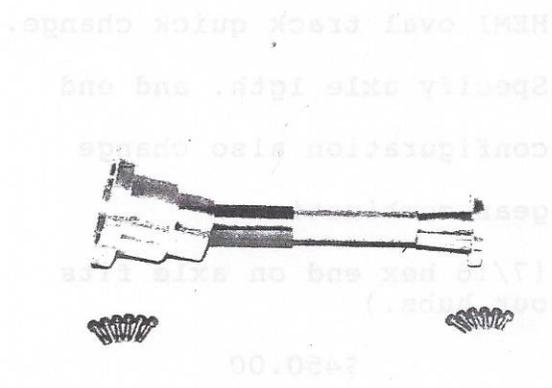


Clutch housing and bell
asm. with bearings.

Fits Zenoah G2D engine.

(Attachment ring not
shown.) \$64.95

U-joint asm. \$ 7.95



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

(Seal & bolts included.)

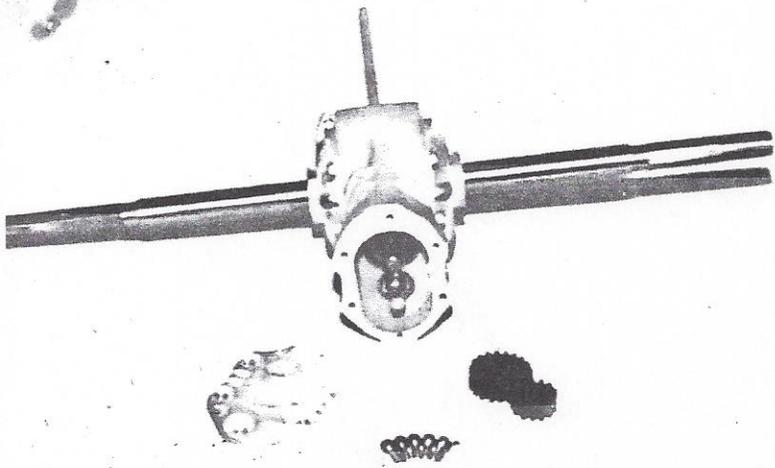


Six pin hubs with pressure
plates and nuts. \$33.79

per side. (3 pcs)

1 1/8 pin circle.

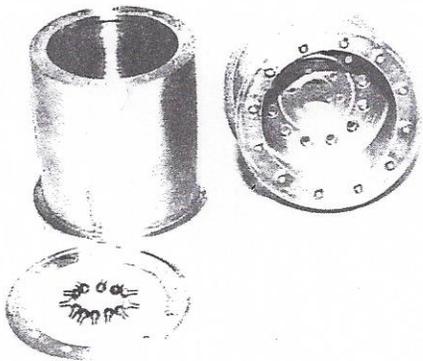
Other bolt circle avail.
on special request.



Brass change gears hex
broached.

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

\$19.95 set

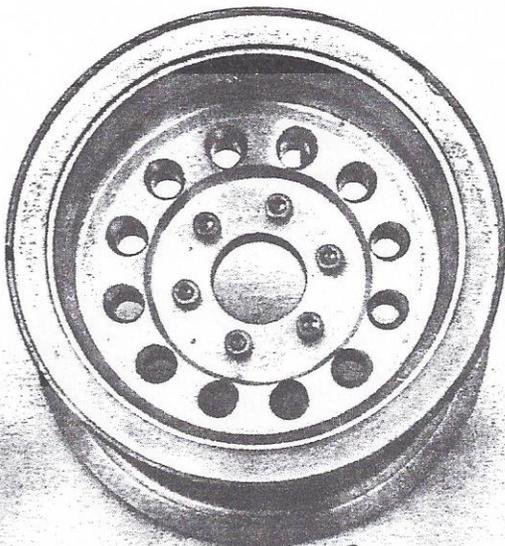


Lock ring wheels
centered or offset. Up to
5½ inched wide.

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