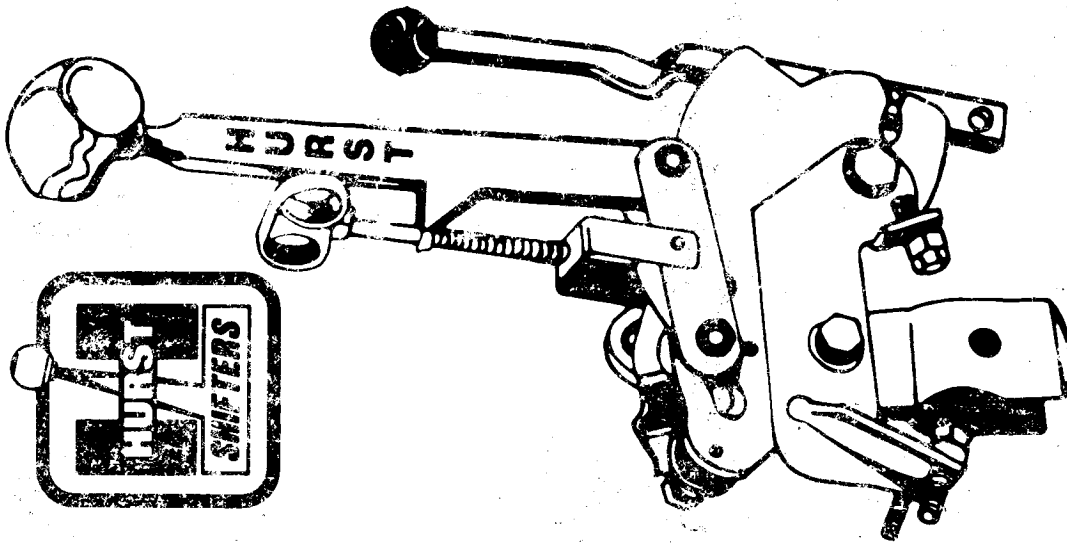


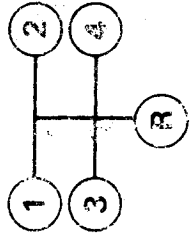


# V-GATE 2 4-SPEED SHIFTER #3738172

1965-73 MUSTANG COUGAR 289, 302, 351 CU. IN. ENGINE



**V-GATE 2  
SHIFT PATTERN**



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Hurst Shifter warrants the products in this catalog only to the original purchaser at retail to be free from defective materials and workmanship for a period of ninety (90) days from the date of original retail purchase.

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## CONSUMER SERVICE

A highly trained Consumer Service Department is maintained by Hurst Shifter to answer your technical questions, provide additional product information and offer various recommendations. See your local retailer of Hurst products for specific prices.

For best results, Consumer Service calls, correspondence and warranty questions should be directed to the following address.

HURST SHIFTER  
8700 Brookpark Rd.  
Cleveland, Ohio 44129-6899  
Phone: (216) 398-8300  
(9:30 a.m. - 5:00 p.m. EST)

# NOTE: READ INSTRUCTIONS CAREFULLY

**WARNING:** The wheels must be blocked securely to eliminate any possibility of vehicle movement during installation. If car is raised for ease of installation, make sure to use quality jack stands or ramps of equal height at all four corners. Above all, make certain vehicle will not move or fall off supporting devices during installation. Do not remove transmission. **NOTE:** It is necessary for primary floor pan to accommodate shifter.

1. This shifter was designed for Competition use only. Floor pan must be modified to accommodate the unit.
2. Check all parts and part numbers in kit with part numbers listed on instruction sheet parts list.
3. Install adapter plate on tailshaft housing as shown in **Detail A**, using Hex-head, cap screws and washers. Tighten securely.
4. Place spacers between shifter and adapter plate. Install shifter on adapter plate using 1/2" nuts and lockwashers supplied. Tighten securely.
5. Insert neutral alignment shaft.
6. There are two sizes of steel bushings in the parts kit. Lubricate the larger bushings with a lightweight grease and insert into in **Detail A**. Fasten the rods to the arms with spring clips.
7. Thread the rod pivots part way onto rods. Install the arms and rods on the transmission using the existing nuts, washers and lockwashers. Check **Detail A** for correct positioning of arms and rods.
8. Rotate both transmission arms to neutral position. Lubricate the pivot bushings (smaller bushings) with a lightweight grease, and insert bushings into the shifting forks. Check **Detail A**. Thread the rod pivots up or down the rods until they slip into the pivot bushings in the shifting forks. Insert spring clips.
9. Adjust reverse pivot to a position where the pin in the reverse lever is just clear of the reverse lock slot, check **Detail B**. Insert pivot into lever with no bushing. Remove neutral alignment shaft.

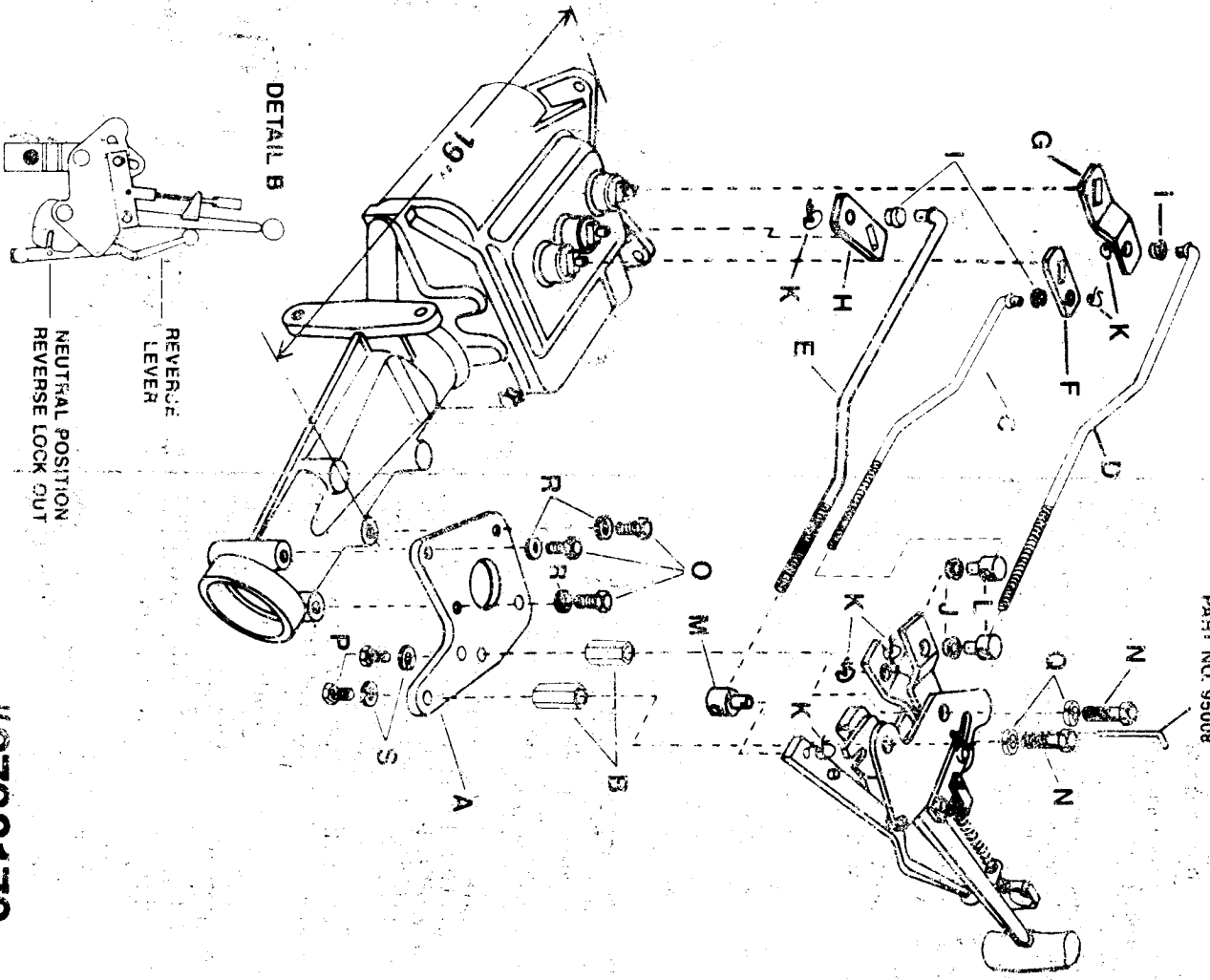
10. Check alignment by shifting through the pattern. If the adjustment is not satisfactory, re-adjust one or more rod pivots until desired action is attained. Grasping the Throttle, pull up on trigger mechanism and shift forward into 1st gear. Release trigger and shift straight back into 2nd, straight forward into 3rd, and again straight back into 4th. Reverse shift only be engaged when shifter is in neutral position. When at reverse, shifter is locked to shift into any other gear when reverse is engaged. To down shift, just reverse the pattern.

**Lubrication:** Every 3,000 - 5,000 miles lubricate all moving parts including the rod and pivot bushings.

A	ADAPTER PLATE	1959926
B	SPACERS, HEX	1951059
C	ROD, 1st - 2nd	2136111
D	ROD, 3rd - 4th	2136112
E	ROD, Reverse	2136113
F	ARM, 1st - 2nd	1058038
G	ARM, 3rd - 4th	1058032
H	ARM, Reverse	1058039
I	BUSHING, ARM	
J	BUSHING, PIVOT	
K	SPRING CLIP	
L	ROD PIVOT	97X9105Z
M	ROD PIVOT	97X91058
N	HEX BOLT 1/2" x 13 x 1 1/4"	
O	HEX BOLT 5/16" x 1 1/4"	
P	HEX BOLT 1/2" x 13 x 1 1/4"	
Q	LOCKWASHER 1/2"	
R	LOCKWASHER 3/8"	
	V-GATE "PIT" PACK	3321657

DETAIL A

NEUTRAL ALIGNMENT SHAFT  
PART NO. 95008



#3738172