

# V-GATE 2 4-SPEED SHIFTER

## #3738190

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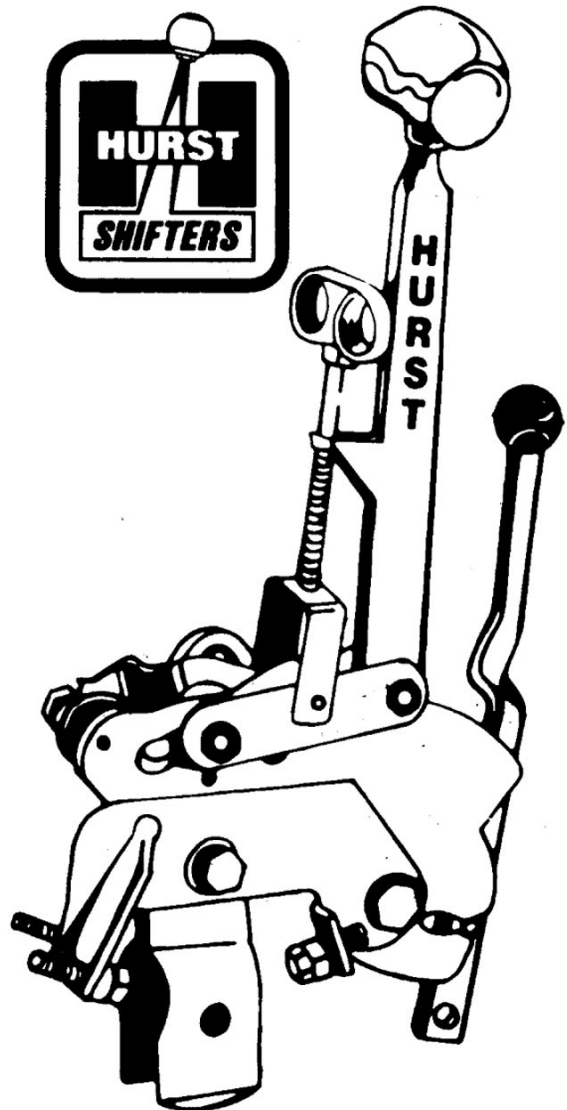
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### CONSUMER SERVICE

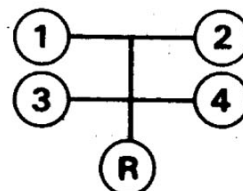
A highly trained Consumer Service Department is maintained by Hurst Shifter to answer your technical questions, provide additional product information and offer various recommendations. See your local retailer of Hurst products for specific prices.

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)



### V-GATE 2 SHIFT PATTERN



## 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 to modify 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" bolts and lockwashers supplied. Tighten securely.
5. Insert neutral alignment shaft.
6. There are two sizes of steel bushings in the parts kit. Lubricate the larg bushings with a lightweight grease and insert into the transmission arms as shown 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 T-handle, 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 can only be engaged when shifter is in neutral position. When in reverse, shifter is locked. **To avoid damage, do not try 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.

\* Follow Detail that relates to your particular transmission.

	#8190	T-10	'69 & Up Muncie	Pre '69 Muncie
A MOUNTING BRACKET		1959037	●	●
B SPACERS		1951060	●	●
C ROD, 1st - 2nd		2136102	●	●
D ROD, 3rd - 4th		2136104	●	●
E ROD, Reverse		2136124	2136120	2136120
F ARM, 1st - 2nd		1058039	1058026	1058030
G ARM, 3rd - 4th		1058032	1058025	1058031
H ARM, Reverse		1058006	1058027	1058041
I BUSHING ARM			●	●
J BUSHING, PIVOT			●	●
K SPRING CLIP			●	●
L ROD PIVOT Reverse		97X91055	●	●
M ROD PIVOT		97X91052	●	●
N HEX BOLT 1/2-13 x 1 3/4			●	●
O HEX BOLT 3/8"-16 1 1/4"			●	●
P HEX BOLT 1/2 - 13 x 2 1/4			●	●
Q LOCKWASHER 1/2"			●	●
R LOCKWASHER 3/8"			●	●

V-GATE, PIT PACK 3321657

- Bolt used in '69 & up Muncie Kit only  
Pre '69 Muncie uses nut and washers

DETAIL B

