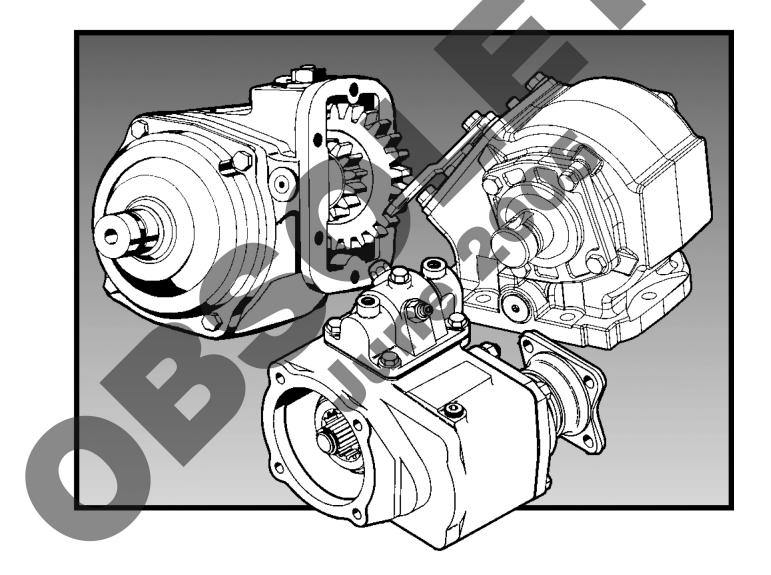


Bulletin HY25-2540-M1/US

## Parts List 540 Series

Effective: Supersedes: November 15, 2001 P410-540 Dated August, 1979







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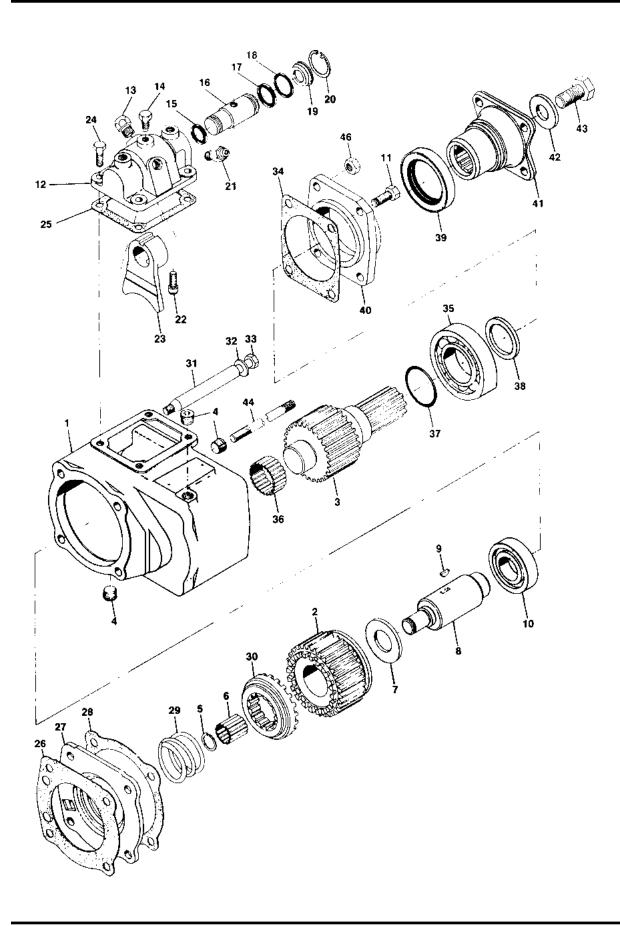
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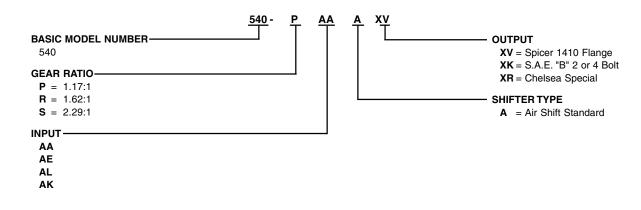
Item	Part Number	Description		
1		Housing, P.T.O.		
	1-P-369	For 540-P or 540-R Ratios		
	1-P-371	For 540-S Ratio		
	-			
2	See Chart Pg. 5	Input Gear	1	
3	See Chart Pg. 5	Output Gear & Shaft	1	
4	378888	Pipe Plug (.250"-18)	з	
5	379071	Retainer Ring		
6	550890	Roller Bearing Assembly		
7	31-P-76	Thrust Washer	1	
8	3-P-751	Input Bearing Shaft	1	
9	378210	Pro Kou	4	
-		Pro Key		
10	550697	Ball Bearing		
11	378431-10	Screw, Hex Head (.375"-16 x 1.00")	2	
	328793X	AIR SHIFT ASSEMBLY (Includes items 12 thru 23)		
12	34-P-72	Shifter Cover		
		2		
13	378554	Сар		
14	378285-1	Guide Screw (.312"-24)	1	
15	28-P-71	O-ring		
16	11-P-120	Shift Shaft		
-	-			
17	28-P-41	O-ring		
18	28-P-42	O-ring		
19	378315	Cover Plug		
20	378316	Retainer Ring		
-		0		
N.S.	5008997-3	Shipping Plug		
21	378969	Indicator Switch	1	
22	378447-4	Screw, Socket Head (312"-18 x .750")		
23	32-P-137	Shift FORK		
-				
24	378430-8	Screw, Hex Head (.312"-18 X .750")		
25	35-P-40	Gasket, Shift Cover	1	
		MOUNTING KITS		
	328794-4X	MOUNTING KITS for Spicer 1007 & 1420 Transmission	1	
	020104 47			
		(Includes items 26 thru 33)		
	328794-5X	MOUNTING KITS for Spicer 1107 Transmission		
		(Includes items 26 thru 33)		
26	22-P-61	Gasket, Adaptor Cover	1	
27		Adaptor Cover	1	
	01 D 251	For 540-*AB, Spicer 1007 & 1420 Transmissions	1	
	21-P-351			
	21-P-352	For 540-*AC, Spicer 1107 Transmissions		
28	22-P-62	Gasket, P.T.O. Mounting	1	
29		Spring		
	27 D 45		1	
	37-P-45	For 540-*AB, Spicer 1007 & 1420 Transmissions		
	37-P-46	For 540-*AC, Spicer 1107 Transmissions		
30	57-P-17	Clutch	1	
31	379077	Cone Lock Sleeve		
32	500365-26	Flat Washer		
32		Screw, Hex Hd. (.375"-16 x 3.00")		
	379433-14			

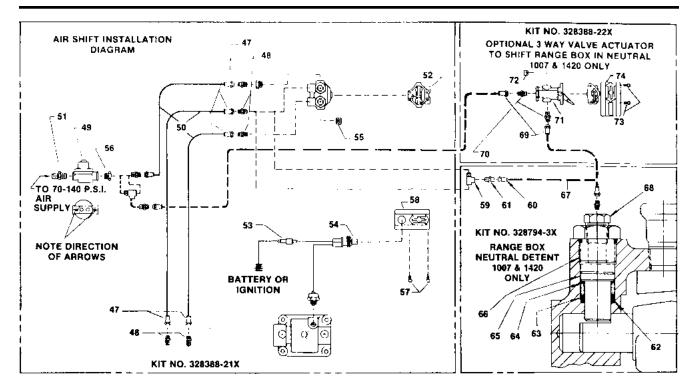
N.S. - Not Shown



Item	Part Number	Description Quantity
34	22-P-63	GASKET, Pump Flange & Bearing Cap 1 For 540-P or 540-R
	22-P-64	For 540-S
35		BALL BEARING 1
	550311	For 540-P or 540-R
	550010	For 540-S
36		NEEDLE BEARING ASSEMBLY 1
	560959	For 540-P or 540-R
	560961	For 540-S
37	28-P-156	O-RING, For Standard Output Only on a 540-S
38		RETAINER RING 1
30	4-P-76	For Standard Output Only on a 540-P or 540-R
	378477	For Pump Output Only on a 540-P or 540-R
	378748	For Pump Output Only on a 540-S
39		OIL SEAL 1
	28-P-35	For 540-P or 540-R Standard Output
	28-P-77 28-P-52	For 540-S Standard Output
	20-P-92	For All Pump Outputs
40		PUMP FLANGES & BEARING CAPS 1
	21-P-354	Bearing Cap for 540-P or 540-R Standard Output
	21-P-356	Bearing Cap for 540-S Standard Output
	21-P-360	Pump Flange for 540-P or 540-R with 113 Pump Suffix
	21-P-364	Pump Flange for 540-S with 113 Pump Suffix
	21-P-358 21-P-362	Pump Flange for 540-P or 540-R with 225 Pump Suffix Pump Flange for 540-S with 225 Pump Suffix
	21-6-202	Fump Flange for 540-5 with 225 Fump Sumx
41		1410 SERIES FLANGE 1
	3-1-3431	For 540-P or 540-R
	3-1-3881	For 540-S
42	4-P-130	Retainer Washer 1
43	378345-7	Screw, Hex Head (.625"-11 x 1.125") 1
	328794-7X	MOUNTING STUD KIT (Includes items 44 thru 46)
44	379423-100	Stud (.375"-16 x .375"-24 x 7.125")
46	379794	Flange Nut (.375"-24)

### **Model Number Designation**





Item	Part Number	Description	Quantity	
	328388-21X	AIR SHIFT INSTALLATION KIT (Includes items 47-58)	1	
47	378356	Tube Nut	6	
48	378360	Male Connector	6	
49	378414	Pressure Protection Valve		
50	378415-7	Nylon Tubing (35 Ft. Coil)	1	
51	378416	Hex Nipple (1/4 " NPT) Control Valve		
52	378504	Control Valve	1	
53	378884	Fuse Holder	1	
54	378978	Indicator Light (12 volt)	1	
55	500133-3	Pipe Plug (1/4" NPT)	1	
56	500714-1	Reducer $(1/4"$ to $1/2"$ NPT)	2	
57	500796-4	Reducer (1/4" to 1/8" NPT) Screw	2	
58	68-P-19	Control Plate	1	

**WARNING:** The vehicle may start to move during this P.T.O. operation unless neutral is maintained in the range box and the brakes are set.

**NOTE:** The 1420-3A also must be shifted to its "on highway" mode for stationary operation. See transmission shifting instructions.

- - - - - Follow these lines only when hooking up the 328790-3X Detnet Kit, for stationary applications only.

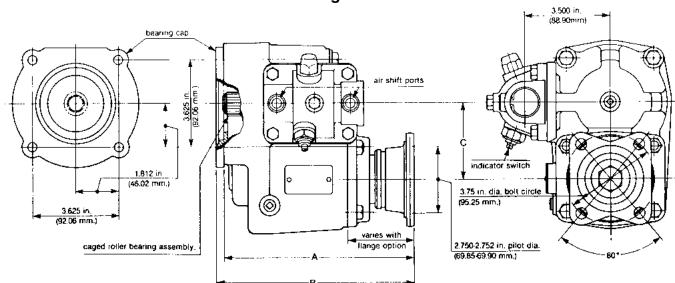
 Follow these lines only when hooking up the 328790-3X Detent Kit, and the 328388-22X Air Shift Kit, for both mobile and stationary applications.



Item	Part Number	Description	Quantity
	▲ 328794-3X	NEUTRAL DETENT INSTALLATION KIT (Includes items 59 thru 68)	1
59	500750-1	Street Tee (1/8" NPT)	1
60	378356	Tube Nut	2
61	378360	Male Connector	2
62	28-P-154	O-Ring	1
63	379072	Washer	1
64	37-P-44	Spring	1
65	66-P-10	Piston	
66	379073	Adaptor	1
67	378415-7	Nylon Tubing (35 Ft. Coil)	
68	500714-1	Pipe Reducer ( $1/4$ " to $1/8$ " NPT)	
	* 328388-22X	AIR SHIFT INSTALLATION KIT FOR NEUTRAL DETENT	
		(Includes items 69 thru 74)	1
69	328356	Tube Nut	
70	379360	Male Connector	
71	378463	Control Valve	1
72	500132-3	Pipe Plug (1/8" NPT)	
73	500796-4	Screw	
74	68-P-23	Control Plate	1

▲ The Spicer 1007 & 1420-3A Transmission has a "range box" mounted to the rear of the main box. This range box must be kept in neutral, for stationary operation of the countershaft P.T.O. Detent Kit 329794-3X must be purchased separately and installed in the range box for stationary operation of the countershaft P.T.O.

\* This Air Shift Kit must be installed when the P.T.O. is to be used in both mobile and stationary applications.



### 540 Counter Shaft P.T.O. Dimensional Drawings

### **Gear Data**

Model No.	Input Gear Item 2		Standard Output Shaft Spicer <sup>®</sup> 1410 Item 3		Pump Output Shaft XK and XR Item 3	
	Part Number	No. of Teeth	Part Number	No. of Teeth	Part Number	No. of Teeth
540-P	5-P-573	34	3-P-749	29	3-P-753	29
540-R	5-P-572	39	3-P-748	24	3-P-752	24
540-S	5-P-572	39	3-P-750	17	3-P-574	17



### Bulletin HY25-2540-M1/US **Standard Mounting Positions**

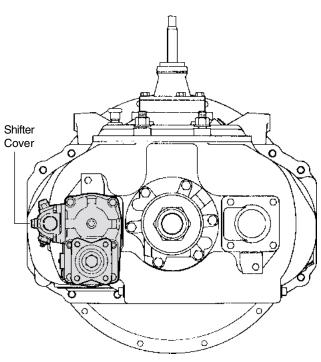
# Shifter Cover O

Standard position for left hand side of transmission, with shifter cover in top position.

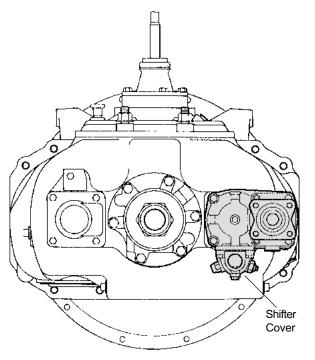
Standard position for right hand side of transmission, with shifter cover in side position.

### **Optional Mounting Positions**

Use optional positions when interference prevents standard position mounting.

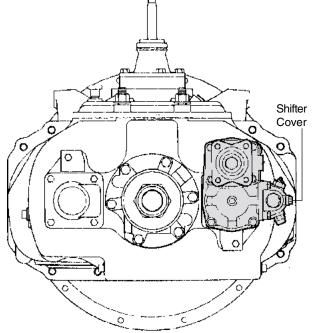


Optional position for left hand side of transmission, with shifter cover in side position.



Optional position for right hand side of transmission, with shifter cover in bottom position.









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**3. Delivery:** Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

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(A) All Power Take-Off units one (1) year from date of installation.

(B) Except 267, 277, 278, 242, 244, 246, 250, 251 and 859 series two (2) years from date of installation.

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7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any

### time.

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