

**HEAVY
7 SPEED
PS125-7 & PS140-7**



Bulletin No. T210-PS125-7



Technology in Motion®

For parts or service call us
Pro Gear & Transmission, Inc.



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906 W. Gore St.

Orlando, FL 32805



MODEL PS125-7

HDPS-0720-0699

RATIO TABLE AND IDENTIFICATION

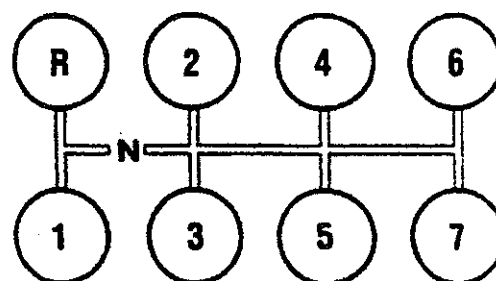
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RATIO TABLE

SPEEDS	MODELS	
	PS125-7B	PS140-7A
1st	12.266	10.13
2nd	7.000	5.99
3rd	4.133	3.56
4th	2.541	2.57
5th	1.840	1.84
6th	1.335	1.33
7th	1.000	1.00
Rev.	12.266	10.13

SHIFT PATTERN



IDENTIFICATION

The Name Plate (NP-96) affixed to the RIGHT side of the Transmission is stamped with information:

In requesting more information on these transmissions, please furnish this information.

SERIAL

B/M No. MODEL

Abbreviations used in this parts list include:

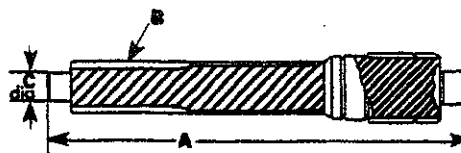
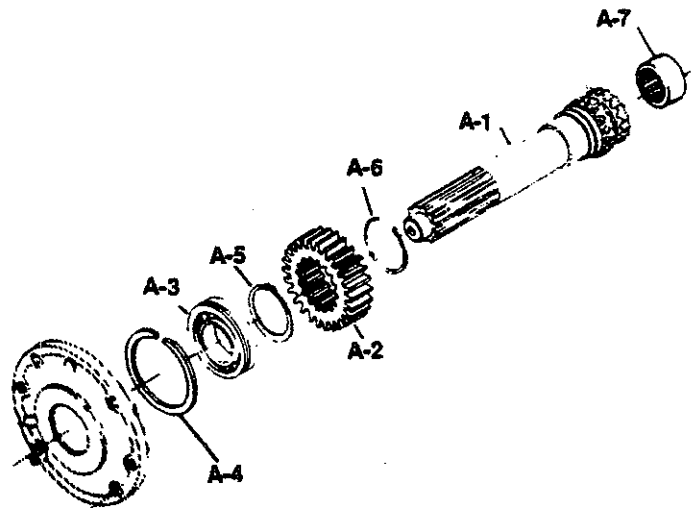
N.S. — Not Shown
N.S.S. — Not Sold Separately
N.R. — Not Required
A.R. — As Required

MODEL PS125-7

GEARS AND RELATED PARTS

HDPS-0720-0699

Ref. No.	Part Number	Part Description	Qty.
A-1	96-35-102-1X* 97-35-105-1X* 97-35-106-1X*	Drive Gear Group (See tab bills for applicable drive gear) Input Shaft—2.000"-10 #306 pilot Input Shaft—1.750"-10 #306 pilot Input Shaft—1.750"-10 #205 pilot	1 1 1
A-2	97-36-1-1X* 97-36-3-1X*	Gear—Mainshaft Drive (28T) (For PS140-7) Gear—Mainshaft Drive (24T) (For PS125-7)	1 1
A-3	550992	Bearing—Drive Gear/Input Front	1
A-4	97-381-41	Snap Ring—Input Shaft Bearing Cap Retaining	1
A-5	97-381-42	Snap Ring—Input Shaft Front Bearing Retaining	1
A-6	97-381-44	Snap Ring—Input Shaft Drive Gear	1
A-7	550953	Bearing—Drive Gear/Input Shaft Pocket Roller	1



DRIVE GEAR TABLE

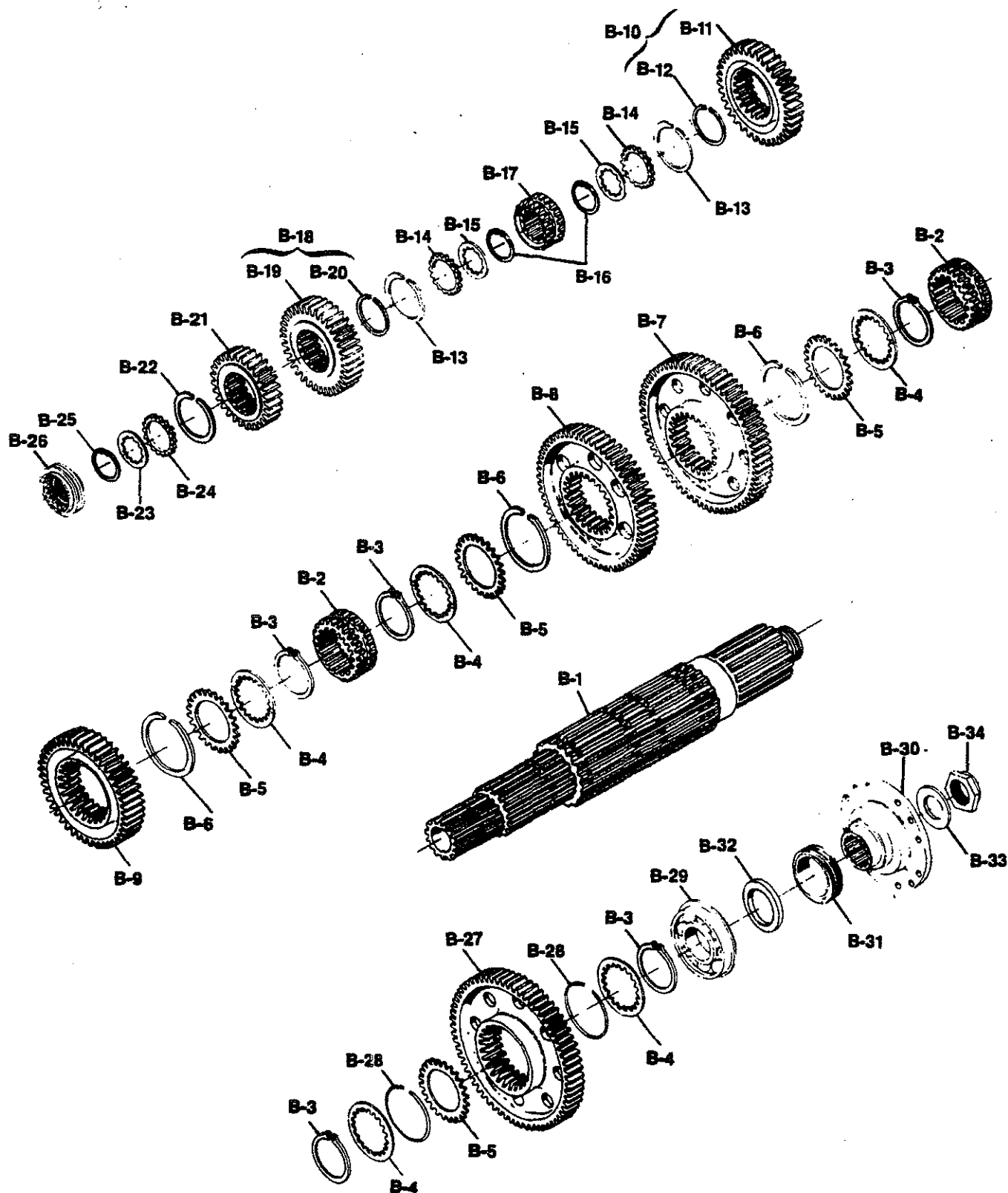
A LENGTH	B SPLINE DIA. TEETH	C PILOT SIZE	SAE NO.	INPUT SHAFT PART NO.	SERVICE WITH
15.020"	2.000"-10	1.180"	306	97-35-102	97-35-102-1X*
15.020"	1.750"-10	1.180"	306	97-35-105	97-35-105-1X*
15.020"	1.750"-10	.983"	205	97-35-106	97-35-106-1X*

* Includes (1) each Snaps Rings 97-381-44 and 97-381-42

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PST25-7

GEARS and RELATED PARTS



MODEL PS125-7

GEARS AND RELATED PARTS

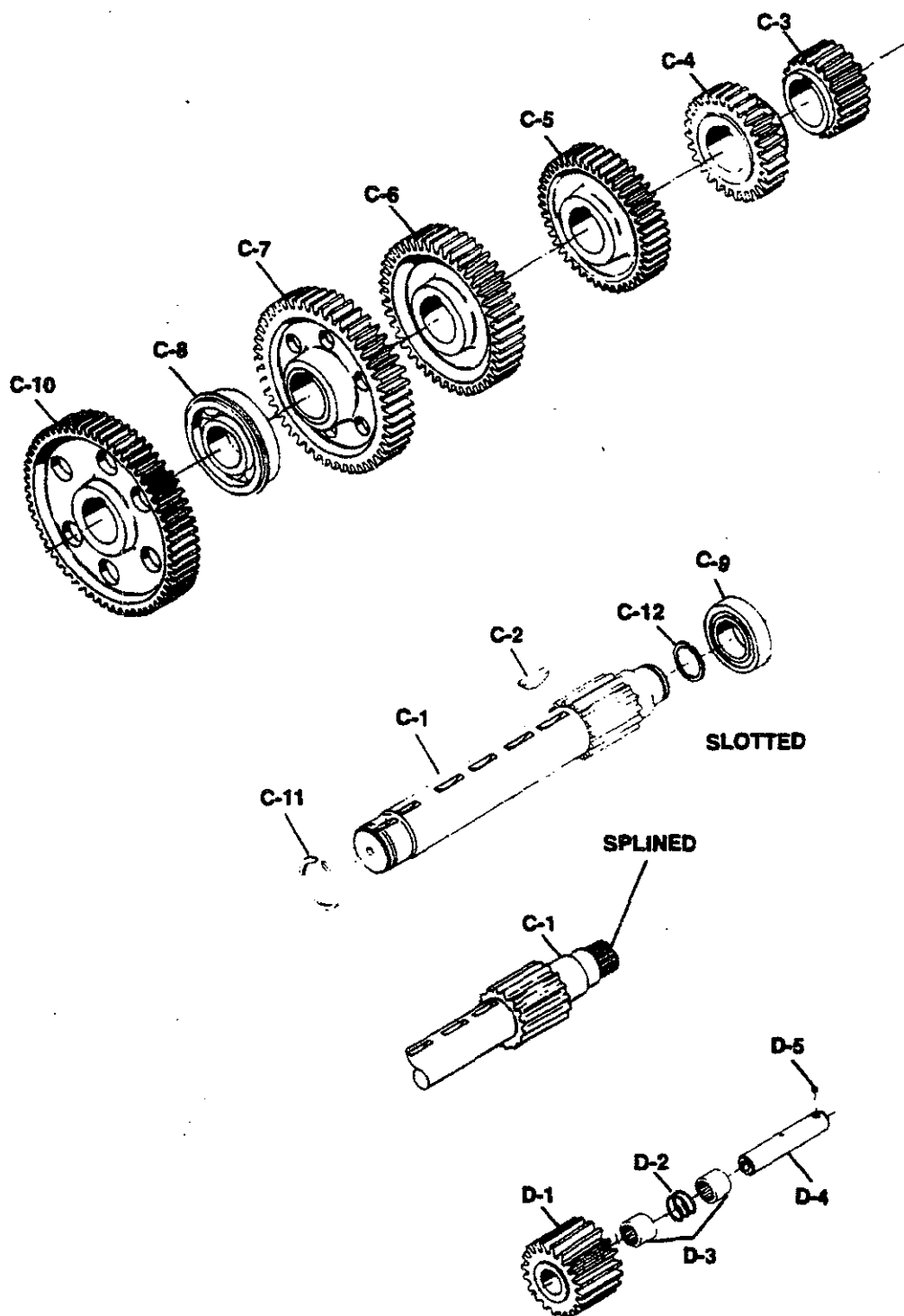
HDPS-0720-0699

Ref. No.	Part Number	Part Description	Qty.
		Mainshaft Group	
B-1	97-362-67	Mainshaft	1
B-2	97-465-59	Clutch Collar—1st, Reverse, 2nd and 3rd Mainshaft (48T)	2
B-3	98-381-1	Snap Ring—External—Large	5
B-4	330959	Thrust Washer—Internal—Large (48T)	5
B-5	330810	Thrust Washer—External—Large (24T)	4
B-6	98-381-2	Snap Ring—Internal—Large	3
B-7	97-8-113	Gear—1st (64T)	1
B-8	97-8-134	Gear—2nd (58T) (For PS140-7)	1
	97-8-209	Gear—2nd (56T) (For PS125-7)	1
B-9	97-8-136	Gear—3rd (48T) (For PS140-7)	1
	97-8-211	Gear—3rd (46T) (For PS125-7)	1
B-10	97-8-235-1X	Gear—4th (40T) (For PS140-7)	1
	97-8-238-1X	Gear—4th (38T) (For PS125-7)	1
B-11	N.S.S.	Gear—4th	1
B-12	97-381-43	Snap Ring—4th Gear Internal Stop	1
B-13	97-381-1	Snap Ring—Internal—Small	2
B-14	330814	Thrust Washer—External—Small (20T)	2
B-15	330960	Thrust Washer—Internal—Small (36T)	2
B-16	97-381-45	Snap Ring—External—Small	2
B-17	97-465-56	Clutch Collar—4th and 5th Mainshaft (20T)	1
B-18	97-8-234-1X	Gear—5th (34T) (For PS140-7)	1
	97-8-237-1X	Gear—5th (32T) (For PS125-7)	1
B-19	N.S.S.	Gear—5th	1
B-20	97-381-43	Snap Ring—5th Gear Internal Stop	1
B-21	97-8-232	Gear—6th (24T) (For PS140-7)	1
	97-8-236	Gear—6th (26T) (For PS125-7)	1
B-22	97-381-2	Snap Ring—Internal	1
B-23	330961	Thrust Washer—Internal (22T)	1
B-24	330806	Thrust Washer—External (17T)	1
B-25	97-381-46	Snap Ring—External	1
B-26	97-465-57	Clutch Collar—6th and 7th Mainshaft	1
B-27	97-8-182	Gear—Reverse (64T)	1
B-28	97-381-32	Snap Ring—Internal—Large	2
B-29	550925	Bearing—Rear	1
B-30	See Tab Bills	Flange or End Yoke—U-Joint (See chart on page 20)	1
B-31	See Tab Bills	Speedometer Drive Gear/Electronic Signal Gear	1
or	97-37-34	Spacer (Used in place of Speedometer Gear)	1
B-32	97-37-33	Spacer—Bearing	1
B-33	330734	Flat Washer	1
B-34	545065	Nut—Mainshaft—1 3/4"-16 Self-locking	1

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MODEL PS125-7

GEARS AND RELATED PARTS



MODEL PS125-7

GEARS AND RELATED PARTS

HDPS-0720-0699

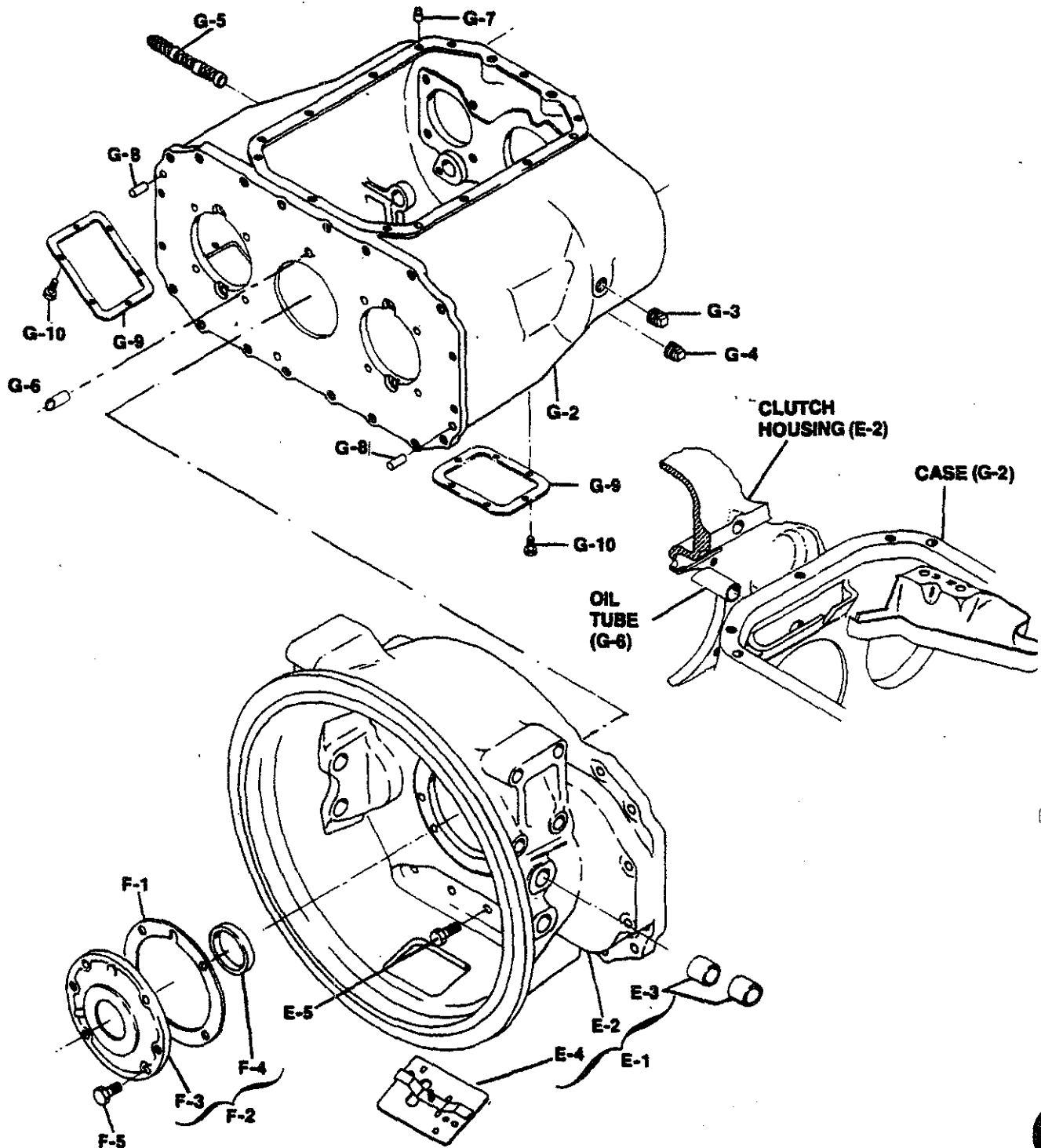
Ref. No.	Part Number	Part Description	Qty.
Countershaft Group			
C-1	97-30-74	(15T)—Splined for P.T.O.—(Standard location—Right Side)	1
	97-30-75	(15T)—Slotted for Pump—(Standard location—Left Side)	1
C-2	500010-8	Woodruff Key #29	12
C-3	97-196-92	2nd Gear (23T) (For PS140-7)	2
	97-196-154	2nd Gear (23T) (For PS125-7)	2
C-4	97-196-19	3rd Gear (32T) (For PS140-7)	2
	97-196-32	3rd Gear (32T) (For PS125-7)	2
C-5	97-196-95	4th Gear (37T) (For PS140-7)	2
	97-196-156	4th Gear (43T) (For PS125-7)	2
C-6	97-196-109	5th Gear (44T) (For PS140-7)	2
	97-196-158	5th Gear (50T) (For PS125-7)	2
C-7	97-196-110	6th Gear (43T) (For PS140-7)	2
	97-196-173	6th Gear (56T) (For PS125-7)	2
C-8	550031	Bearing—Front	2
C-9	550959	Bearing—Rear	2
C-10	97-1-50	Drive Gear (57T) (For PS140-7)	2
	97-1-56	Drive Gear (69T) (For PS125-7)	2
C-11	97-381-30	Snap Ring—Front Bearing Retainer	2
C-12	54-381-1	Snap Ring—Rear Bearing Retainer	2
Reverse Idler Group			
D-1	97-5-1	Gear—Reverse Idler (21T)	2
D-2	97-37-1	Spacer—Bearing	2
D-3	550886	Bearing	4
D-4	97-60-1	Shaft—Idler Gear	2
D-5	500566-8	Lockball—9/32"	2

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MODEL PS125-7

HDPS-0720-0699

CASE, BEARING CAP AND RELATED PARTS



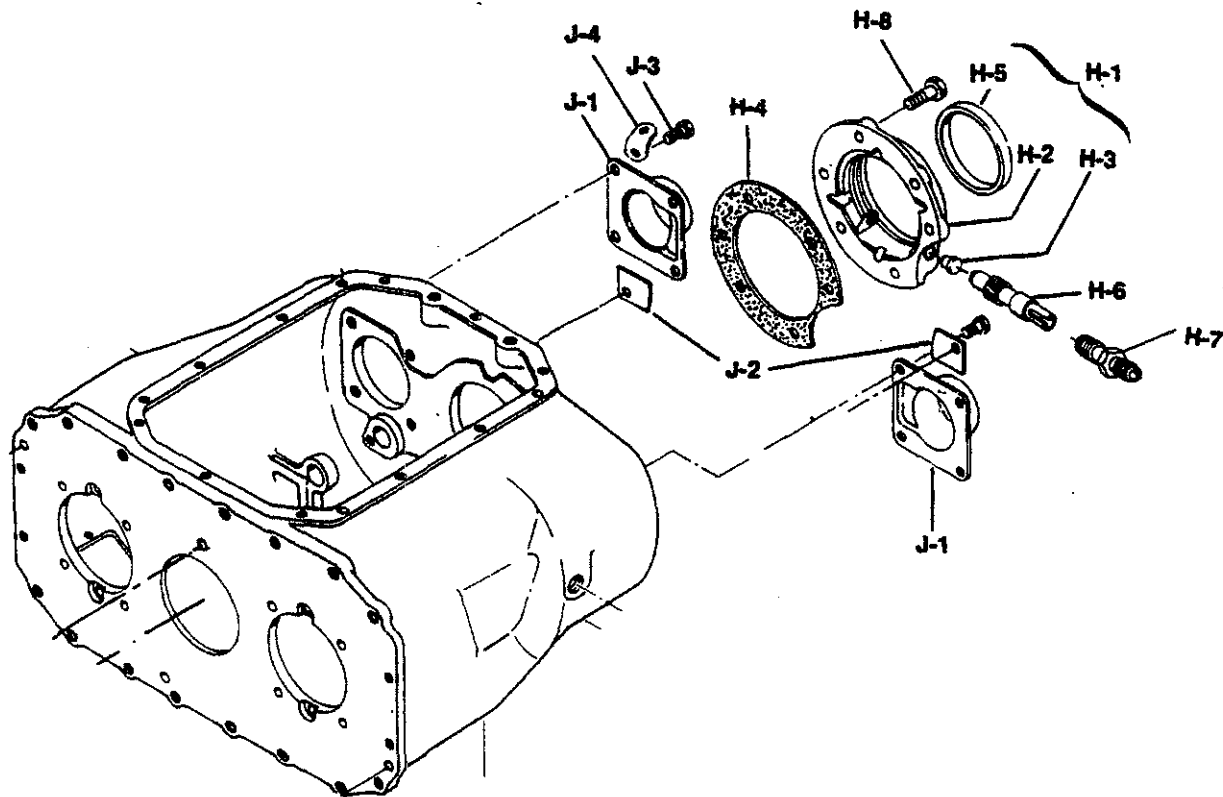
MODEL PS125-7

CASE, BEARING CAP AND RELATED PARTS

HDPS-0720-0699

Ref. No.	Part Number	Part Description	Qty.
Clutch Housing Group			
E-1	See Tab Bills	Clutch Housing Assembly—(See Chart on Page 16)	1
E-2	N.S.S.	Clutch Housing	1
E-3	97-24-8	Bushing—Clutch Release Shaft	4
E-4	97-96-18-1X	Hand Hole Cover Assembly	1
E-5	545008-4	Bolt—5/8"-11 x 2" Hex Head Self-locking	16
and	545103	Bolt—3/8"-16 x 3" Hex Head Self-locking	4
N.S.	330829	Flat Washer—5/8" (For use with Aluminum Housing)	16
N.S.	14-W	Flat Washer—3/8" (For use with Aluminum Housing)	4
Drive Gear Bearing Cap Group			
F-1	97-223-1	Gasket	1
F-2	97-19-52-1X	Bearing Cap and Oil Seal Assembly	1
F-3	N.S.S.	Bearing Cap (Casting #97-19-37)	1
F-4	97-463-36-1X	Oil Seal with Installation Sleeve	1
F-5	545002-4	Bolt—3/8"-16 x 1 1/8" Hex Head Self-locking	4
Case Group			
G-1	See Tab Bills	Case Assembly	1
G-2	N.S.S.	Case	1
N.S.	NP-96	Name Plate	1
N.S.	252-SP	Pin—Name Plate	4
G-3	62-39-3	Filler Plug (Magnetic)	1
G-4	62-39-3	Drain Plug (Magnetic)	1
G-5	97-39-1	Drain Plug (Magnetic)	1
G-6	97-420-4	Tube—Oil Transfer	1
G-7	274-SP	Dowel Pin—(To locate Shifter Housing to Case)	2
G-8	330755	Dowel Pin—(To locate Clutch Housing to Case)	2
G-9	50-267-2	Cover—Six Bolt P.T.O. Aperture	2
G-10	330800	Bolt—3/8"-16 x 3/4"—Flanged Head Self-locking	12

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MODEL PS125-7

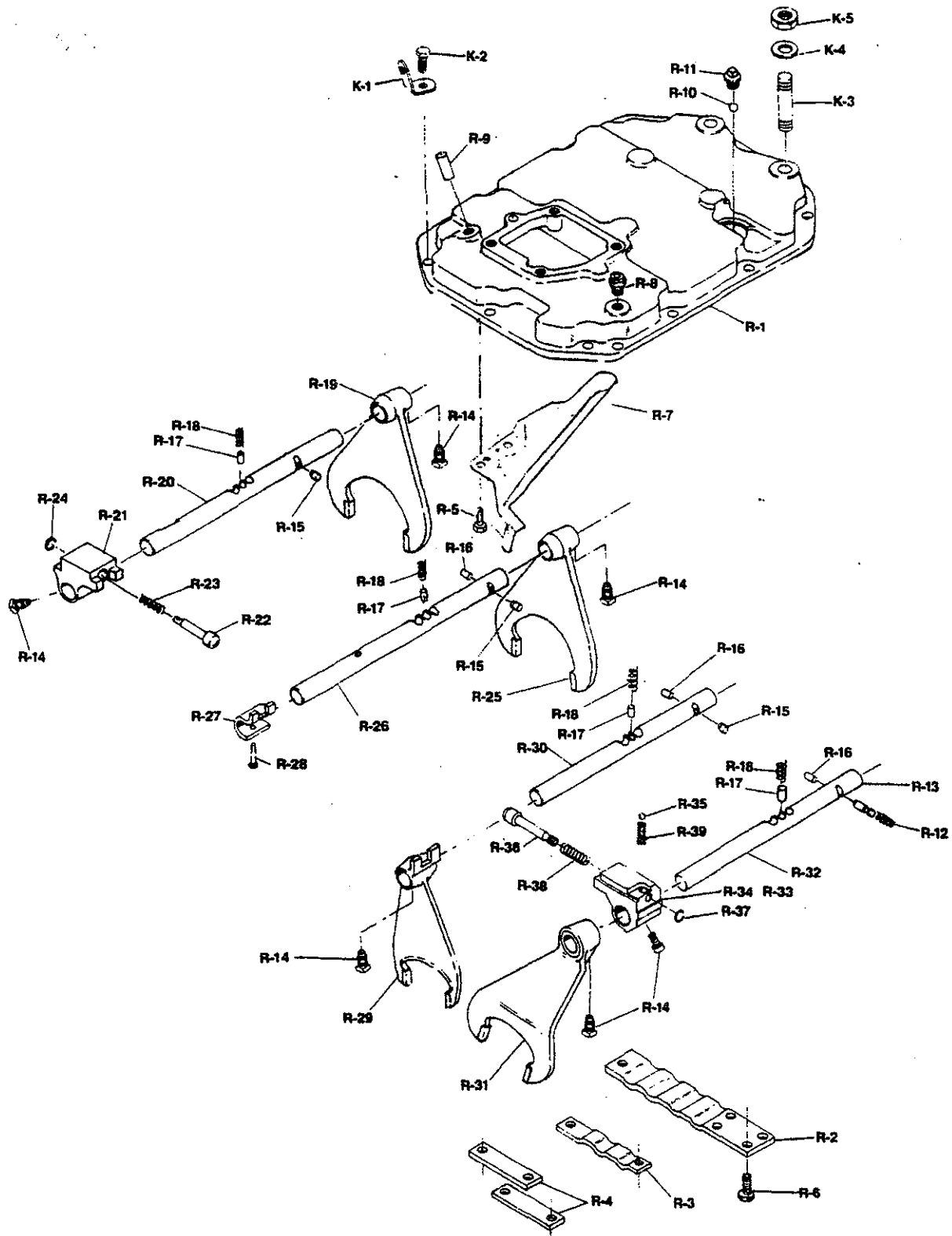
CASE, BEARING CAP AND RELATED PARTS

HDPS-0720-0699

Ref. No.	Part Number	Part Description	Qty.
		Mainshaft Rear Bearing Cap—(For Gear Driven Speedometer)	
H-1	97-19-53-1X	Bearing Cap, Bushing, Gasket, and Oil Seal Assembly	1
H-2	N.S.S.	Bearing Cap	1
H-3	60-475-1	Bushing—Speedometer	2
H-4	97-223-2	Gasket	1
H-5	98-463-1	Oil Seal	1
N.S.	545021	Plug—Electronic Speedometer/Cruise	2
H-6	See Tab Bills	Gear—Speedometer Driven	1
N.S.	55-334-1	Plug—(Used without Speedometer Gear)	1
H-7	55-454-1	Sleeve—Speedometer Driven Gear	1
H-8	545001-4	Bolt—1/2"-13 x 1 1/2" Hex Head Self-locking	4
and	545001-8	Bolt—1/2"-13 x 2 1/2" Hex Head Self-locking	2
		Mainshaft Rear Bearing—(For Electronic Speedometer)	
H-1	97-19-53-1X	Bearing Cap, Bushing, Gasket, and Oil Seal Assembly	1
H-2	N.S.S.	Bearing Cap	1
H-3	60-475-1	Bushing—Speedometer	2
H-4	97-223-2	Gasket	1
H-5	98-463-1	Oil Seal	1
N.S.	545021	Plug—Electronic Speedometer/Cruise	2
N.S.	55-334-1	Plug—Speedometer Outlet	1
H-8	545001-4	Bolt—1/2"-13 x 1 1/2" Hex Head Self-locking	4
and	545001-8	Bolt—1/2"-13 x 2 1/2" Hex Head Self-locking	2
		Countershaft Rear Bearing Cap Group	
J-1	97-22-23	Cap—Countershaft Rear Bearing	2
J-2	97-96-23	Cap—Reverse Idler	2
J-3	545015	Bolt—3/8"-16 x 15/16" Flanged Head Self-locking	10
J-4	330564-1	Lift Hook	2
N.S.	545056	Anaerobic Sealant	A/R
		Countershaft Rear Bearing Cap Group with PTO Oil Pump	
N.S.	313292	PTO Oil Pump Assy.	1
N.S.	97-22-21	Countershaft Rear Bearing Cap Pump Mounting (usually on left side)	1
N.S.	70-223-25	Countershaft Oil Pump Mounting Gasket	1
J-1	97-22-23	Cap - Countershaft Rear Bearing (usually on right side)	1
N.S.	97-223-22	Gasket - Countershaft Rear Bearing Cap	2
J-3	545015	Bolt - 3/8"-16 x 15/16" Flanged Head Self-locking (for 97-22-23 cap)	4
N.S.	545002-6	Bolt - 3/8"-16 x 1.250" Flanged Head Self-locking (for 97-22-21 cap)	4
N.S.	545051	Elbow - Pump Inlet 90 Deg.	1

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PS125-7
FORWARD CONTROL



MODEL PS125-7

SHIFTER HOUSING ASSEMBLY FORWARD CONTROL

HDPS-0720-0699

PARTS SHOWN ARE FOR SERVICE PART # 97-16-100-3X. SOME PRODUCTION UNITS HAD 97-16-100-2X WHICH HAS NO SAFETY SWITCH PROVISION. PARTS BELOW ARE FOR BOTH SHIFTER HOUSINGS EXCEPT AS NOTED WITH **			
Ref. No.	Part Number	Part Description	Qty.
		Shifter Housing Assembly 97-16-100-3X	1
R-1	See Tab Bills	Shift Housing, Oil Trough, and Shift Rod Retainers	1
	97-16-100-1X	Shift Housing	1
	N.S.S.	Retainer—Shift Rod (Rear)	1
R-2	97-360-9	Retainer—Shift Rod (Center)	1
R-3	97-360-10	Retainer—Shift Rod (4th, 5th, 6th & 7th) (Front)	2
R-4	97-360-11	Screw—Oil Trough—3/4"-16 x 3/4" Self Tapping	2
R-5	545125-2	Screw—Shift Rod Retainers (1.00" long) Self Tapping	9
R-6	545125-1	Oil Trough	1
R-7	97-468-2	Breather	1
R-8	312268	Pin—Back-up Light	1
R-9	330739-1	Ball—Neutral Safety Switch (not used in 97-16-100-2X)	1
** R-10	50-80-4	Plug—Neutral Safety Switch	1
R-11	545021	Spring—Interlock Neutral Safety Switch (not used in 97-16-100-2X)	1
** R-12	97-72-31	Plunger—Neutral Safety Switch (not used in 97-16-100-2X)	1
** R-13	97-438-25	For All Shift Forks, Brackets and Rod Groups	
R-14	545063	Screw—7/16"-20 x 3/4" Socket Head	6
R-15	97-12-5	Interlock—Shift Rod	3
R-16	194-SP	Pin—Interlock (only (2) req'd. in 97-16-100-2X)	3
R-17	85-438-1	Poppet—Shift Rod	4
R-18	97-72-11	Spring—Shift Rod Poppet	4
		First and Reverse Shift Rod Group	
R-19	97-66-53	Shift Fork	1
R-20	97-67-307-1X*	Shift Rod	1
R-21	97-354-11	Shift Rod Bracket	1
R-22	97-438-24	Plunger—1st and Reverse Shift Bracket	1
R-23	97-72-2	Spring—1st and Reverse Shift Bracket Plunger	1
R-24	97-381-3	Snap Ring—1st and Reverse Shift Bracket Plunger	1
		Second and Third Shift Rod Group	
R-25	97-66-110	Shift Fork	1
R-26	97-67-308-1X*	Shift Rod	1
R-27	97-354-27	Shift Rod Bracket	1
R-28	545072	Screw—1/4"-28 x 1 3/8" Socket Head	1
		Fourth and Fifth Shift Rod Group	
R-29	97-66-55	Shift Fork	1
R-30	97-67-293-1X*	Shift Rod	1
		Sixth and Seventh Shift Rod Group	
R-31	97-66-120	Shift Fork	1
R-32	97-67-292-1X*	Shift Rod	1
R-33	97-354-32-1X	Shift Rod Bracket Assembly	1
R-34	97-354-32	Shift Rod Bracket	1
R-35	50-80-1	Ball—Shift Bracket Poppet	1
R-36	97-438-27	Plunger—Shift Bracket	1
R-37	97-381-47	Snap Ring	1
R-38	97-72-32	Spring—Shift Bracket Plunger Pin	1
R-39	97-72-33	Spring—Shift Bracket Pilot Pin	1
		Parts Listed Below Are Not Included in Assembly	
N.S.	545056-5	Anaerobic Sealant	A/R
K-1	330564-1	Lift Hook	4
K-2	545002-4	Bolt—3/8"-16 x 1 1/2" Hex Head Self-locking	10
K-3	330360-15	Stud—5/8"-11 & 5/8"-18 x 3 1/2"	2
or	330360-18	Stud—5/8"-16 & 5/8"-18 x 4"	2
K-4	500365-43	Washer—5/8" Flat	2
K-5	500371-7	Nut—5/8"-18	2

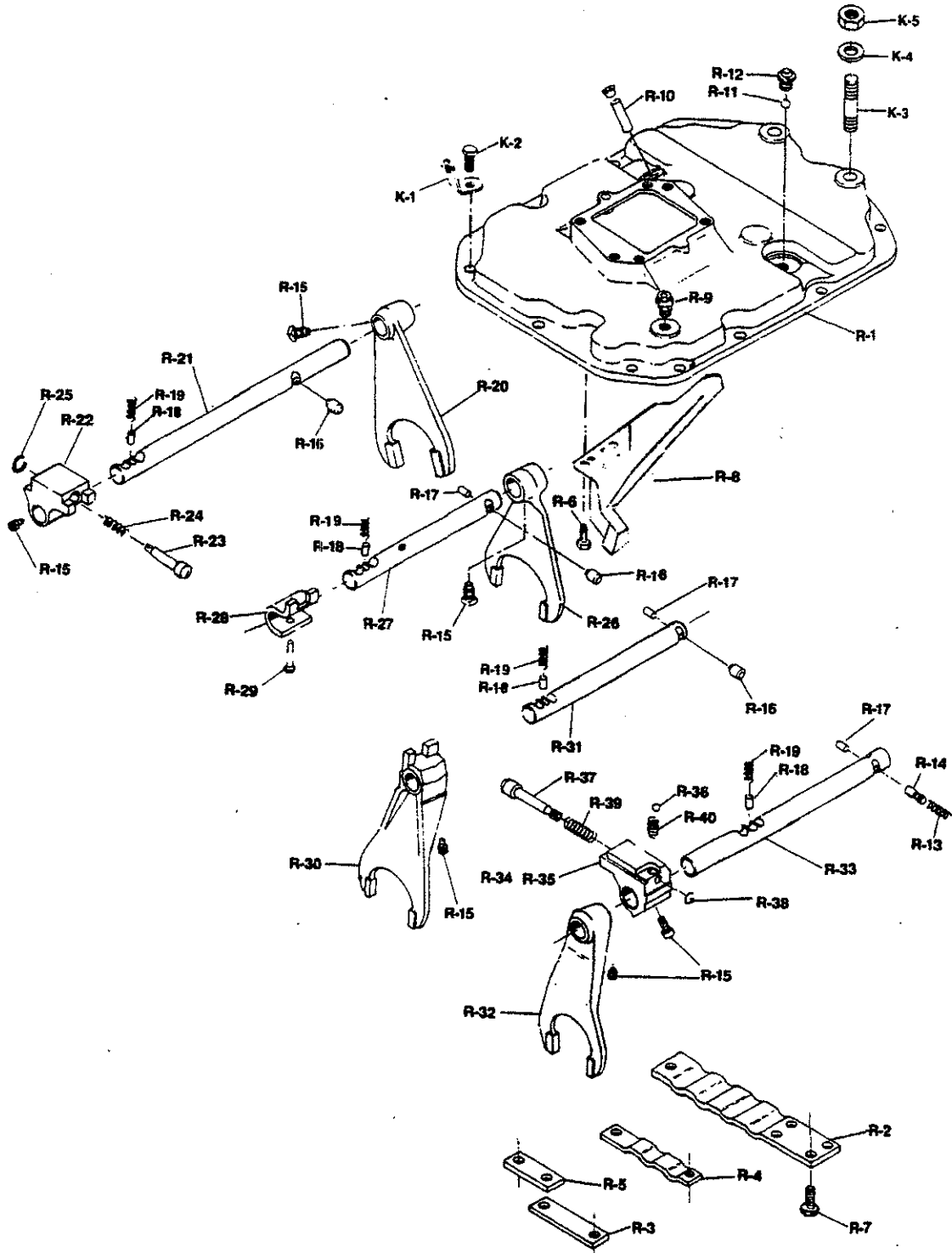
*Includes (1) each of 85-438-1 and 97-72-11

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MODEL PS125-7

CENTER CONTROL

HDPS-0720-0699



MODEL PS125-7

SHIFTER HOUSING ASSEMBLY CENTER CONTROL

HDPS-0720-0699

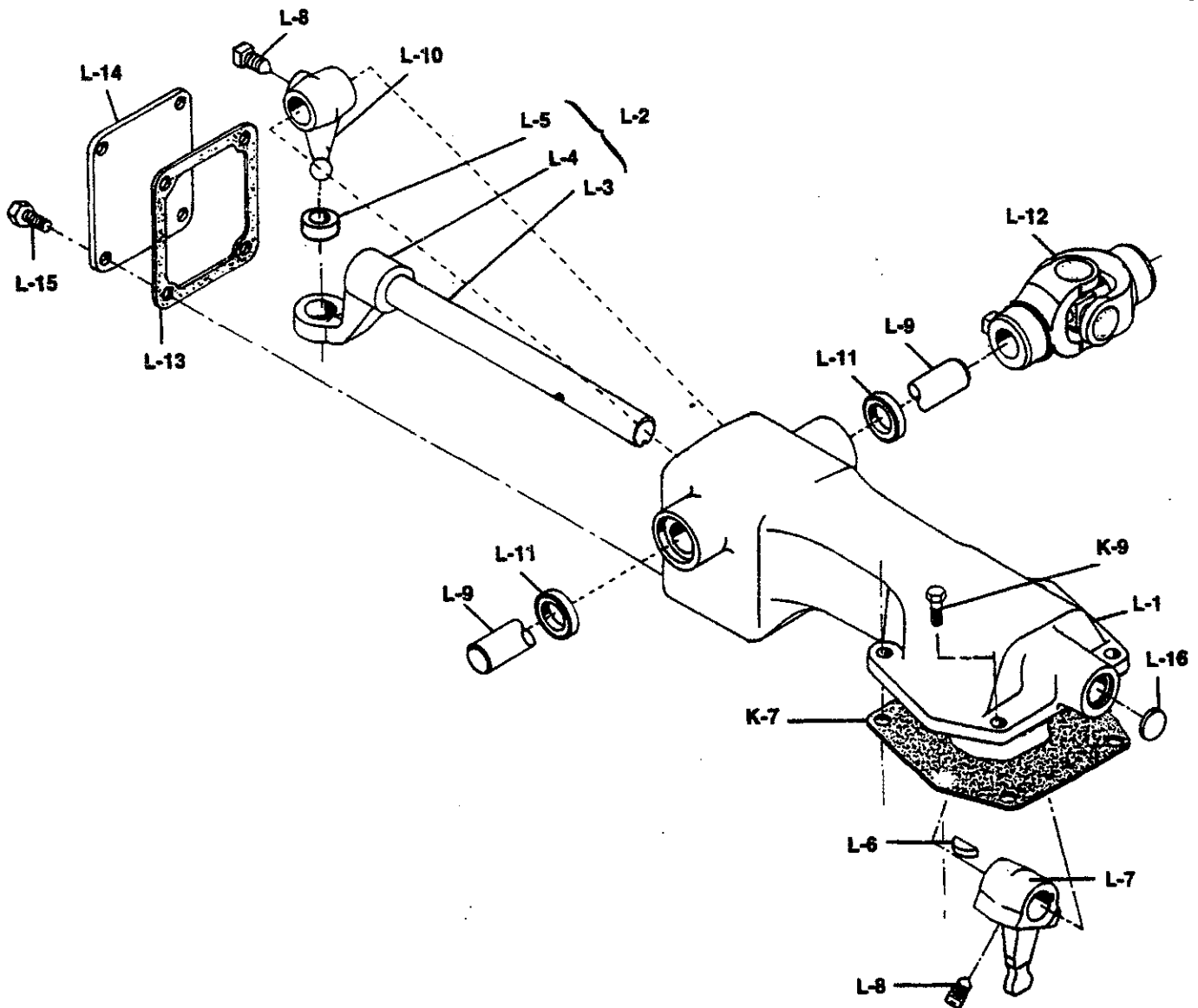
PARTS SHOWN ARE FOR SERVICE PART # 97-16-99-3X. SOME PRODUCTION UNITS HAD 97-16-99-2X WHICH HAS NO SAFETY SWITCH PROVISION. PARTS BELOW ARE FOR BOTH SHIFTER HOUSINGS EXCEPT AS NOTED WITH **			
Ref. No.	Part Number	Part Description	Qty.
	See Tab Bills	Shifter Housing Assembly 97-16-99-3X	1
R-1	97-16-99-1X	Shifter Housing, Oil Trough and Shift Rod Retainers	1
	N.S.S.	Shift Housing	1
R-2	97-360-9	Retainer—Shift Rod (Rear)	1
R-3	97-360-11	Retainer—Shift Rod (4th, 5th, 6th & 7th) (Front)	1
R-4	97-360-12	Retainer—Shift Rod (Center)	1
R-5	97-360-13	Retainer—Shift Rod (1st & Reverse) (Front)	1
R-6	545125-2	Screw—Oil Trough	2
R-7	545125-1	Screw—Shift Rod Retainers (1.00" long)	9
R-8	97-468-2	Oil Trough	1
R-9	312268	Breather	1
R-10	330739-1	Pin—Back-up Light	1
** R-11	50-80-4	Ball—Neutral Safety Switch (not used in 97-16-99-2X)	1
R-12	545021	Plug—Neutral Safety Switch	1
** R-13	97-72-31	Spring—Interlock Neutral Safety Switch (not used in 97-16-99-2X)	1
** R-14	97-438-25	Plunger—Interlock Neutral Safety Switch (not used in 97-16-99-2X)	1
		For All Shift Forks, Brackets and Rod Groups	
R-15	545063	Screw—7/16"-20 x 3/4" Socket Head	6
R-16	97-12-5	Interlock—Shift Rod	3
R-17	194-SP	Pin—Interlock (only (2) req'd. in 97-16-99-2X)	3
R-18	85-438-1	Poppet—Shift Rod	4
R-19	97-72-11	Spring—Shift Rod Poppet	4
		First and Reverse Shift Rod Group	
R-20	97-66-53	Shift Fork	1
R-21	97-67-303-1X*	Shift Rod	1
R-22	97-354-11	Shift Rod Bracket	1
R-23	97-438-24	Plunger—1st and Reverse Shift Bracket	1
R-24	97-72-2	Spring—1st and Reverse Shift Bracket Plunger	1
R-25	97-381-3	Snap Ring—1st and Reverse Shift Bracket Plunger	1
		Second and Third Shift Rod Group	
R-26	97-66-110	Shift Fork	1
R-27	97-67-304-1X*	Shift Rod	1
R-28	97-354-27	Shift Rod Bracket	1
R-29	545072	Screw—1/4"-28 x 1 3/8" Socket Head	1
		Fourth and Fifth Shift Rod Group	
R-30	97-66-61	Shift Fork	1
R-31	97-67-305-1X*	Shift Rod	1
		Sixth and Seventh Shift Rod Group	
R-32	97-66-120	Shift Fork	1
R-33	97-67-306-1X*	Shift Rod	1
R-34	97-354-32-1X	Shift Rod Bracket Assembly	1
R-35	97-354-32	Shift Rod Bracket	1
R-36	50-80-1	Ball—Shift Bracket Poppet	1
R-37	97-438-27	Plunger—Shift Bracket	1
R-38	97-381-47	Snap Ring	1
R-39	97-72-32	Spring—Shift Bracket Plunger Pin	1
R-40	97-72-33	Spring—Shift Bracket Pilot Pin	1
		Parts Listed Below are not included in Assembly	
N.S.	545056-5	Anaerobic Sealant	A/R
K-1	330564-1	Lift Hook	4
K-2	545002-4	Bolt—3/8"-16 x 1 1/2" Hex Head Self-locking	10
K-3	330360-15	Stud—5/8"-11 & 5/8"-18 x 3 1/2"	2
or	330360-18	Stud—5/8"-16 & 5/8"-18 x 4"	2
K-4	500365-43	Washer—5/8" Flat	2
K-5	500371-7	Nut—5/8"-18	2

*Includes (1) each of 85-438-1 and 97-72-11

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PST25-7
REMOTE CONTROL ASSEMBLY
HIGH ROD TYPE

HDPS-0720-0699



MODEL PS125-7

REMOTE CONTROL ASSEMBLY

HDPS-0720-0699

Ref. No.	Part Number	Part Description	80-49X	97-18-4-2X	97-18-6-2X	73-16-3-1X	312-752-2X	85-16-42-2X	311-890-1X	97-18-3-2X
	See Tab Bills	Cover & Joint Assembly—Remote Control	1	1	1	1	1	1	1	1
	311866X	Cover Assembly	1							
	312755X	Cover Assembly					1			
	311914X	Cover Assembly				1			1	
	97-18-16-1X	Cover Assembly			1					
	85-16-42-1X	Cover Assembly (Rotated 180 Degrees and Welded)						1		
	97-18-3-1X	Cover Assembly								1
	97-18-4-1X	Cover Assembly		1						
L-1	N.S.S.	Remote Control Cover	1	1	1	1	1	1	1	1
N.S.	82-24-3	Bushing—Remote Control Cover	4	4	4	4	4	4	4	4
L-2	8093X	Shift Finger Rod and Bracket Assembly	1							
	311888X	Shift Finger Rod and Bracket Assembly				1			1	
	312754X	Shift Finger Rod and Bracket Assembly					1			
	97-65-39-1X	Shift Finger Rod and Bracket Assembly		1						
	97-65-41-1X	Shift Finger Rod and Bracket Assembly			1					
	85-65-11-1X	Shift Finger Rod and Bracket Assembly						1		
	97-65-32-1X	Shift Finger Rod and Bracket Assembly								1
L-3	N.S.S.	Rod—Shift Finger	1	1	1	1	1	1	1	1
L-4	N.S.S.	Bracket—Shift Finger	1	1	1	1	1	1	1	1
L-5	85-24-4	Bushing—Shift Bracket	1	1	1	1	1	1	1	1
L-6	5000007-19	Woodruff Key #11	1	1	1	1	1	1	1	1
L-7	82-6-9	Finger—Inner Shift	1	1	1	1	1	1	1	1
L-8	545063	Bolt—7/16"-20 x 13/16" Hex Head Self-locking	2	2	2	2	2	2	2	2
L-9	82-65-5	Rod—Remote Control	1	1	1	1		1	1	1
	82-65-22	Rod—Remote Control					1			
L-10	82-6-7	Finger—Outer Shift	1	1	1	1	1	1	1	1
L-11	28P-19	Seal—Remote Control Shift Rod	2	2	2	2	2	2	2	2
L-12	10380-SF	U-Joint Assembly—Control Rod	1				1	1	1	1
	904388	U-Joint Assembly—Control Rod		1	1	1				
L-13	82-118-1	Gasket—Aperture Cover	1	1	1	1	1	1	1	1
L-14	82-96-1	Aperture Cover	1	1	1	1	1	1	1	1
L-15	545005-1	Bolt—5/16"-18 x 5/8" Hex Head Self-locking	4	4	4	4	4	4	4	4
L-16	500166-16	Expansion Plug—1 1/16"	1	1	1	1	1	1	1	1
N.S.	311903X	Boot Kit—Remote Control	1	1		1	1		1	
N.S.	82-483-1	Boot—Standard	1	1		1	1		1	
N.S.	82-483-2	Boot—Cup Type	1	1		1	1		1	
N.S.	LW-3-9	Lockwire #18-M Gage (9"long)	3	3		3	3		3	
N.S.	313259	Valve—Road Speed Governor Control		1	1					
		Parts Listed Below Are Not Included in Assembly								
K-7	97-155-12	Gasket—Remote Control Cover	1	1	1	1	1	1	1	1
K-9	545126	Screw self-tapping (used for attaching Remote Control Assy.)	4	4	4	4	4	4	4	4

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

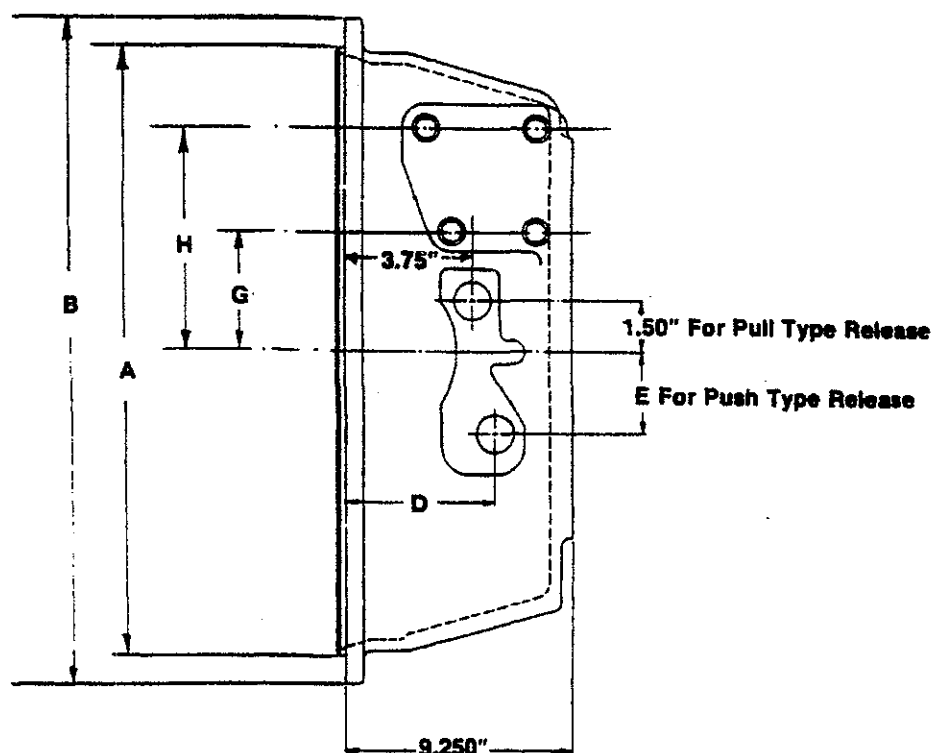
MODEL PS125-7

CLUTCH HOUSING DIMENSIONS

HDPS-0720-0699

Size No.	A Pilot Dia.	B O.D.
1	20 $\frac{1}{8}$ "	21 $\frac{3}{4}$ "
2	17 $\frac{5}{8}$ "	19 $\frac{1}{4}$ "

NODAL MOUNT



Part No.	Casting No.	Material	SAE #	D Lower Hole Dim. Face To Center Hole	E Below Center	G Above Center	H Above Center
97-518-51-1X	C97-518-33	Iron	1	3.750"	1.500"	4.00"	8.50"
97-518-52-1X	C97-518-35	Iron	2	4.375"	2.375"	3.50"	6.50"
97-518-53-1X	C97-518-37	Aluminum	1	3.750"	1.500"	4.00"	8.50"
97-518-54-1X	C97-518-39	Aluminum	2	4.375"	2.375"	3.50"	6.50"
97-518-55-1X*	C97-518-37	Aluminum	1	3.750"	1.500"	4.00"	8.50"
97-518-56-1X	C97-518-35	Iron	2	3.750"	1.500"	3.75"	6.50"
97-518-57-1X	C97-518-33	Iron	1	3.750"	1.500"	4.00"	8.50"
97-518-66-1X	C97-518-33	Iron	1	3.750"	1.500"	4.00"	8.50"
97-518-70-1X	C97-518-39	Aluminum	2	4.375"	2.375"	3.50"	6.50"
97-518-71-1X	C97-518-37	Aluminum	1	3.750"	1.500"	4.00"	8.50"
97-518-72-1X	C97-518-37	Aluminum	1	3.750"	1.500"	4.00"	8.50"

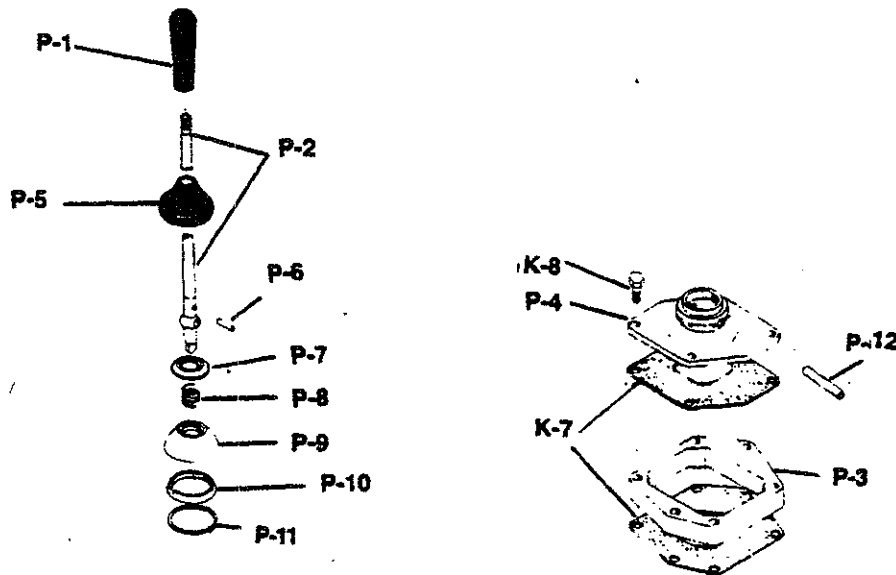
* With Clutch Release Assembly mounting holes (Special for Ford)

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PS125-7

SHIFT LEVER AND DOME ASSEMBLY

HSPS-0720-0699



Ref. No.	Part Number	Part Description	85-16-37-2X	85-16-37-6X	85-16-37-17X	85-16-37-53X	85-16-37-59X	97-17-1-1X	312820-1X
	See Tab Bills	Shift Lever and Dome Assembly	1	1	1	1	1	1	1
P-1	39Q-27	Handle—Shift Lever	1						
P-2	39Q-29	Handle—Shift Lever				1		1	1
	25Q-1106	Shift Lever—Length 28 1/2" Straight							1
	25Q-1533	Shift Lever—Length 33" Straight	1	1		1		1	
	25Q-1570	Shift Lever—Length 33" Straight			1				
	25Q-2168	Shift Lever—Length 26.80" (2) Bends					1		
P-3	85-37-9	Spacer—Dome to Shifter Housing	1	1		1			
K-7	97-155-12	Gasket—Center (6 Holes)	2	2	2	2			
K-8	545028-6	Bolt—7/16"-14 x 2 1/4" Hex Head Self-locking	4	4		4			
	82-16-19X	Dome Assembly—Shift Lever (Center) (Includes P-4 thru P-12)							1
	85-16-37X	Dome Assembly—Shift Lever (Center) (Includes P-4 thru P-12)	1	1	1	1	1		
	97-17-1-1X	Dome Assembly—Shift Lever (Forward) (Includes P-4 thru P-12)						1	
P-4	82-16-19	Dome—Shift Lever—2 5/32" Height							1
	85-16-37	Dome—Shift Lever—3 5/32" Height	1	1	1	1	1		
	97-17-1	Dome—Shift Lever—4 5/8" Height						1	
P-5	55Q-5	Grommet—Shift Lever	1	1	1	1	1	1	1
P-6	286-SP	Pin—Shift Lever Compression Collar	1	1	1	1	1	1	1
P-7	55Q-7	Collar—Compression	1	1	1	1	1	1	1
P-8	56Q-25	Spring—Compression	1	1	1	1	1	1	1
P-9	54Q-13	Cup—Compression	1	1	1	1	1	1	1
P-10	69Q-6	Washer—Friction	1	1	1	1	1	1	1
P-11	62-381-7	Snap Ring—Rocker Shaft	1	1	1	1	1	1	1
P-12	53Q-15	Rocker Shaft—Shift Lever	1	1	1	1	1	1	1
		Parts Listed Below Are Not Included In Assembly							
K-7	97-155-12	Gasket—Dome to Shifter Housing (6 Holes)						1	1
or	97-155-13	Gasket—Dome to Shifter Housing (4 Holes)						1	1
K-8	545028-6	Bolt—7/16"-14 x 2 1/4" Hex Head Self-locking			4		4	4	4
K-8	545126	Screw self-tapping (used for attaching Shift Lever and Dome Assy.)	4	4	4	4	4	4	4

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PS125-7

HDPS-0720-0699

CLUTCH RELEASE CODE TABLE

Rel.Code See Tab BIII	CR-7 Yoke ★	Shaft		CR-6 Pedal Adjusting Arm	Rel.Code See Tab BIII	CR-7 Yoke ★	Shaft		CR-6 Pedal Adjusting Arm
		CR-1 Short	CR-2 Long				CR-1 Short	CR-2 Long	
1	105C-64	106C-1142	106C-1047	310233X	58	105C-137	106C-1141	106C-1169	310233X
2	105C-64	106C-1185	106C-438	—	59	105C-137	106C-1185	106C-438	—
3	105C-64	106C-1185	106C-939	310233X	60	105C-137	106C-1185	106C-617	310233X
4	105C-64	106C-1185	106C-1046	310233X	61	105C-137	106C-1185	106C-839	310233X
5	105C-64	106C-1185	106C-1047	310233X	62	105C-137	106C-1185	106C-939	310233X
6	105C-64	106C-1185	106C-1047	47-526-1-1X	63	105C-137	106C-1185	106C-939	310473X
7	105C-64	106C-1544	106C-839	310233X	64	105C-137	106C-1185	106C-953	310473X
					65	105C-137	106C-1185	106C-1046	310233X
8	105C-68	106C-1142	106C-438	—	66	105C-137	106C-1185	106C-1046	310473X
9	105C-68	106C-1142	106C-617	—	67	105C-137	106C-1185	106C-1047	310233X
10	105C-68	106C-1142	106C-617	310233X	68	105C-137	106C-1185	106C-1083	310233X
11	105C-68	106C-1142	106C-839	310233X	69	105C-137	106C-1185	106C-1094	—
12	105C-68	106C-1142	106C-839	310233X	70	105C-137	106C-1185	106C-1094	310233X
13	105C-68	106C-1142	106C-1046	310233X	71	105C-137	106C-1185	106C-1123	—
14	105C-68	106C-1142	106C-1047	310233X	72	105C-137	106C-1185	106C-1123	310233X
15	105C-68	106C-1278	106C-438	—	73	105C-137	106C-1185	106C-1367	—
					74	105C-137	106C-1185	106C-1367	310233X
16	105C-117	106C-1071	106C-839	310233X	75	105C-137	106C-1185	106C-1375	310873X
17	105C-117	106C-1071	106C-1094	310233X	76	105C-137	106C-1185	106C-1515	—
18	105C-117	106C-1142	106C-839	310233X	77	105C-137	106C-1185	106C-1529	—
19	105C-117	106C-1185	106C-438	—	78	105C-137	106C-1185	330610-5	—
20	105C-117	106C-1185	106C-617	310233X	79	105C-137	106C-1216	106C-617	310233X
21	105C-117	106C-1185	106C-839	47-526-1-1X	80	105C-137	106C-1278	106C-438	—
22	105C-117	106C-1185	106C-839	310233X	81	105C-137	106C-1278	106C-588	—
23	105C-117	106C-1185	106C-953	310873X	82	105C-137	106C-1278	106C-588	310233X
24	105C-117	106C-1185	106C-960	310233X	83	105C-137	106C-1278	106C-617	310233X
25	105C-117	106C-1185	106C-1046	310233X	84	105C-137	106C-1278	106C-839	310233X
26	105C-117	106C-1185	106C-1047	310233X	85	105C-137	106C-1278	106C-839	310873X
27	105C-117	106C-1185	106C-1083	—	86	105C-137	106C-1278	106C-960	310233X
28	105C-117	106C-1185	106C-1083	310233X	87	105C-137	106C-1278	106C-1046	—
29	105C-117	106C-1185	106C-1083	310473X	88	105C-137	106C-1278	106C-1046	310233X
30	105C-117	106C-1185	106C-1094	310233X	89	105C-137	106C-1278	106C-1047	—
31	105C-117	106C-1185	106C-1094	310873X	90	105C-137	106C-1278	106C-1047	310233X
32	105C-117	106C-1185	106C-1169	310233X	91	105C-137	106C-1278	106C-1083	310233X
33	105C-117	106C-1185	106C-1315	—	92	105C-137	106C-1278	106C-1094	310233X
34	105C-117	106C-1185	106C-1315	310233X	93	105C-137	106C-1278	106C-1375	310233X
35	105C-117	106C-1185	106C-1315	47-526-1-1X	94	105C-137	106C-1278	106C-1422	310233X
36	105C-117	106C-1185	106C-1417	—	95	105C-137	106C-1278	106C-1529	—
37	105C-117	106C-1185	106C-1417	310873X	96	105C-137	106C-1360	106C-1083	—
38	105C-117	106C-1185	106C-1490	310233X	97	105C-137	106C-1360	106C-1422	310233X
39	105C-117	106C-1278	106C-939	310233X	98	105C-137	106C-1375	106C-438	310233X
40	105C-117	106C-1278	106C-960	310873X	99	105C-137	106C-1498	106C-438	—
41	105C-117	106C-1278	106C-1047	310233X	100	105C-137	106C-1498	106C-617	310233X
42	105C-117	106C-1278	106C-1094	310233X	101	105C-137	106C-1498	106C-617	310473X
43	105C-117	106C-1278	106C-1315	310233X	102	105C-137	106C-1498	106C-939	310233X
44	105C-117	106C-1278	106C-1367	310233X	103	105C-137	106C-1498	106C-839	310473X
45	105C-117	106C-1360	106C-1083	310233X	104	105C-137	106C-1498	106C-953	310233X
46	105C-117	106C-1360	106C-1315	310233X	105	105C-137	106C-1498	106C-959	310233X
47	105C-117	Thru Shaft	106C-1550	—	106	105C-137	106C-1498	106C-1046	310233X
48	105C-117	Thru Shaft	106C-1558	—	107	105C-137	106C-1498	106C-1047	—
					108	105C-137	106C-1498	106C-1047	310233X
49	105C-124	106C-1185	106C-438	—	109	105C-137	106C-1498	106C-1083	310233X
50	105C-124	Thru Shaft	106C-1566	310233X	110	105C-137	106C-1498	106C-1094	—
51	105C-124	Thru Shaft	106C-1566	310473X	111	105C-137	106C-1498	330610-11	310233X
52	105C-124	Thru Shaft	106C-1566	310873X	112	105C-137	330601-1	106C-939	310233X
52A	105C-124	Thru Shaft	49-510-1	310233X					
53	105C-132	106C-1185	106C-1047	310233X	113	85-509-3	106C-1360	106C-1417	310233X
54	105C-132	106C-1185	106C-1083	310233X	114	85-509-3	Thru Shaft	106C-1578	310233X
55	105C-132	106C-1185	106C-1417	310873X	115	85-509-3	Thru Shaft	106C-1578	310873X
56	105C-132	106C-1185	46-510-9	—					
57	105C-132	106C-1278	46-510-9	—	116	312916	Thru Shaft	97-510-2	—

■ Use Clutch Release Bearing 7743X

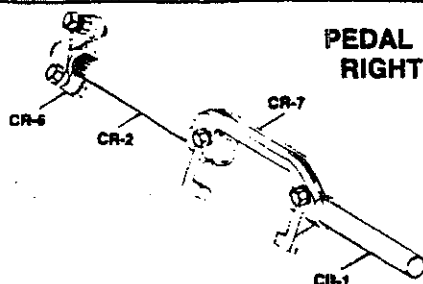
★ CLUTCH RELEASE YOKE ATTACHING PARTS—Use one KEY 10-30, two SCREWS 330231 and two LOCK WASHERS 500356-12

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

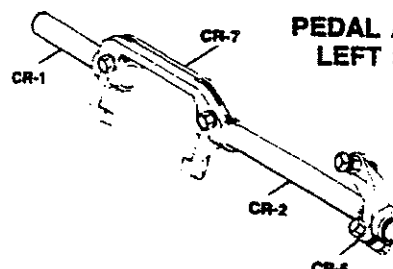
MODEL PS125-7

CLUTCH RELEASE CODE TABLE

HDPS-0720-0699



**PEDAL ADJUSTING ARM
RIGHT SIDE—310473X**



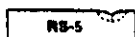
**PEDAL ADJUSTING ARM
LEFT SIDE—310233X**

CR-1 SHORT SHAFT

Part No.	Length
106C-1071	4.062"
106C-1141	5.125"
106C-1142	6.125"
106C-1185	5.750"
106C-1216	4.750"
106C-1278	4.812"
106C-1360	5.312"
106C-1375	6.781"
106C-1498	6.500"
106C-1544	7.000"
330601-1	6.250"

CR-2 LONG SHAFT (Cont'd)

Part No.	Type	Length
106C-1083	RS-8	7.969"
106C-1094	RS-8	8.469"
106C-1123	RS-8	12.968"
106C-1189	RS-8	9.125"
106C-1315	RS-8	7.625"
106C-1367	RS-8	10.312"
106C-1375	RS-8	6.781"
106C-1417	RS-8	7.250"
106C-1422	RS-8	7.500"
106C-1490	RS-8	16.000"
106C-1515	RS-5	11.375"
106C-1529	RS-5	8.312"
330810-5	RS-8	9.469"
330810-11	RS-8	10.750"
46-510-9	RS-5	7.125"



CR-2 LONG SHAFT

Part No.	Type	Length
106C-438	RS-5	14.000"
106C-588	RS-5	7.000"
106C-617	RS-8	10.469"
106C-839	RS-8	11.469"
106C-939	RS-8	10.000"
106C-953	RS-8	9.750"
106C-959	RS-8	11.968"
106C-960	RS-8	8.719"
106C-1046	RS-8	8.968"
106C-1047	RS-8	9.469"

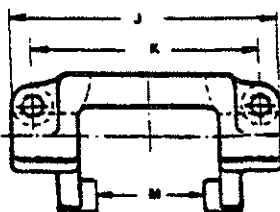
CR-6 PEDAL ADJ. ARM

310233X	For Left Side Mtg.
310473X	For Right Side Mtg.
47-528-1-1X	Lever Type 7/4"
310873X	Lever Type 7/4"

■Lever type can be used on either right or left side.

THRU SHAFT (used with Push Type Clutch)

Part No.	Type	Length
106C-1566	Spined	19.125"
106C-1550	Keyed	16.375"
106C-1558	Keyed	19.000"
106C-1578	Spined	19.500"
49-510-1	Keyed	19.120"
97-510-2	Spined	19.313"



CLUTCH RELEASE YOKES

CR-7	Forging No.	Used With	Type	J	K	M
105C-64	F105C64	Spicer 15 1/2" SP	Pull	8.000"	6.500"	4.895"
105C-68	F105C99	Spicer 14" SP	Pull	7.125"	5.750"	4.132"
105C-117 ¹	F105C118	Spicer & Others	Push	8.375"	7.000"	4.885"
105C-124	F105C125	Spicer AL & AR	Push	3.750"	2.125"	2.885"
105C-132 ²	F105C118	Spicer & Others	Push	8.375"	7.000"	4.885"
105C-137	F105C138	Spicer 13" and	Pull	8.000"	6.500"	4.895"
	C105C138	14" 2P				
85-509-3 ³	F105C118	Spicer & Others	Push	8.375"	7.000"	4.885"

¹Machined washer surface on yoke front

²Machined washer surface on yoke rear (for clearance)

³Same as ¹ above except contains spring holes in lugs

■Use 7743X Clutch Release Bearing

* CLUTCH RELEASE YOKE ATTACHING PARTS—

Use one KEY 10-30, two SCREWS 330231 and two LOCK WASHERS 500356-12

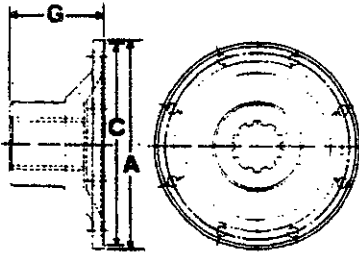
NOTE: When changing from a two plate to single plate clutch or vice versa, a different bearing cap will be required.

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

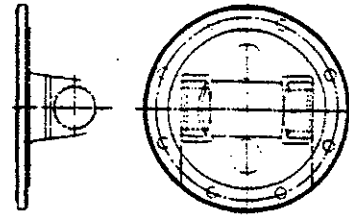
MODEL PST25-7

COMPANION FLANGES AND END YOKES

HDPS-0720-0699



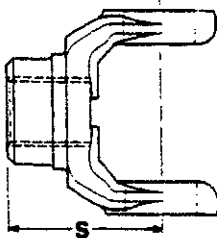
COMPANION FLANGE



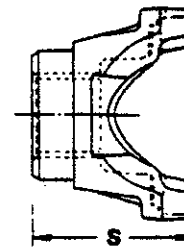
FLANGE YOE

Companion Flanges and Flange Yokes

A Joint Series	Flange Diameter	Companion Flange Assembly	Companion Flange	G to Flange Face Length	C Pilot Diameter F-Female M-Male	Mates With	
						Flange Yoke	Series
1710	8.00"	—	6-1-5821	6.31"	M-6.436"	—	1710



FULL ROUND



U-BOLT—BRG. STRAP—HALF ROUND

Series	Yoke Style	End Yoke Part Number	S End of Hub To Center Line Length	Momentary Joint Angle	Brake Size	Spline Type
1610	Half Round	5-4-7951-1	5 1/2"	18 1/2°	—	Fine
1710	Full Round	6-4-7691	5 3/16"	20°	—	Fine
1710	Half Round	6-4-7691-1	5 3/16"	20°	—	Fine
1760	Full Round	6.3-4-1251	5 9/16"	30°	—	Fine
1760	Half Round	6.3-4-1251-1	5 9/16"	30°	—	Fine
1810	Full Round	6.5-4-3821	5 9/16"	30°	—	Fine
1810	Half Round	6.5-4-3821-1	5 9/16"	30°	—	Fine

NOTES

MODEL PS125-7

HDPS-0720-0699

SERVICE PARTS OVERHAUL KITS

Part Number	Part Description	313400-80X	313400-79X	313400-78X
	Major Overhaul Kits	1	1	1
	Found Only in Major Overhaul Kits			
97-35-102	Input Shaft—2.000"-10 Spline #306 Pilot	1	—	—
97-35-106	Input Shaft—1.750"-10 Spline #205 Pilot	—	1	—
97-35-105	Input Shaft—1.750"-10 Spline #306 Pilot	—	—	1
500010-8	Woodruff Key #29	12	12	12
545065	Nut—Mainshaft (1 3/4"-16 S.A.E. Thread)	1	1	1
313432-35X	Minor Overhaul Kit (Included in Major Overhaul Kits)	1	1	1
550031	Bearing—Countershaft Front	2	2	2
550992	Bearing—Drive Gear/Input Shaft Front	1	1	1
550959	Bearing—Countershaft Rear	2	2	2
550953	Bearing—Drive Gear/Input Shaft Pocket Roller	1	1	1
550925	Bearing—Mainshaft Rear (Auxiliary Output)	1	1	1
550886	Bearing—Reverse Idler Gear Roller Assembly	4	4	4
97-463-36-1X	Oil Seal—Drive Gear Bearing Cap	1	1	1
	(Includes 2815 Installation Bulletin and Installation Sleeve)			
98-463-1	Oil Seal—Mainshaft Rear Bearing Cap	1	1	1
545077	Packet—#2 Moly Grease	1	1	1
545080-1	Adhesive—Mainshaft Nut Anaerobic Sealant	1	1	1
312475-33X	Gasket Kit (Included in Major and Minor Overhaul Kit)	1	1	1
545056-9	Anaerobic Sealant—24cc Tube	1	1	1
97-155-12	Gasket—Control Housing (Center Control)	1	1	1
97-155-13	Gasket—Control Housing (Forward Control)	1	1	1
97-223-1	Gasket—Drive Gear Bearing Cap	1	1	1
97-223-2	Gasket—Mainshaft Rear Bearing Cap	1	1	1
82-118-1	Gasket—Remote Control Aperture Cover	1	1	1
2754	Bulletin—Liquid Gasket	1	1	1
2770	Bulletin—Pocket Bearing Lubrication Instructions	1	1	1
2783	Bulletin—Mainshaft Nuts	1	1	1

MODEL PS125-7

SERVICE PARTS OVERHAUL KITS

HDPS-0720-0699

Part Number	Part Description			
		313400-80X	313400-79X	313400-78X
313429-24X	Shifter Housing Repair—Small Parts (Included in Major Overhaul Kit)	1	1	1
97-12-5	Interlock	3	3	3
194-SP	Pin—Interlock	2	2	2
330739-1	Pin—Reverse Switch	1	1	1
97-438-24	Plunger—1st & Reverse Shift Bracket	1	1	1
85-438-1	Poppet—Shift Rod	4	4	4
97-381-3	Snap Ring—Poppet 1st & Reverse Shift Bracket Plunger	1	1	1
545125-1	Screw—Shift Rod Retainers	7	7	7
97-72-11	Spring—Shift Rod Poppet	4	4	4
97-72-2	Spring—1st & Reverse Shift Bracket Plunger	1	1	1
50-80-4	Ball—Neutral Safety Switch	1	1	1
97-72-31	Spring—Interlock (used with Neutral Safety Switch)	1	1	1
313401-31X	Thrust Washer Kit—(Included in Major Overhaul Kit)	1	1	1
330810	Mainshaft Thrust Washer External (24T) Large	4	4	4
330814	Mainshaft Thrust Washer External (20T) Small	2	2	2
330959	Mainshaft Thrust Washer Internal (48T) Large	5	5	5
330960	Mainshaft Thrust Washer Internal (36T) Small	2	2	2
330961	Mainshaft Thrust Washer Internal (22T)	1	1	1
330806	Mainshaft Thrust Washer Internal (17T)	1	1	1
313024-27X	Snap Ring Kit—(Included in Major and Minor Overhaul Kit)	1	1	1
54-381-1	Snap Ring—Countershaft Rear Bearing Retaining	2	2	2
97-381-30	Snap Ring—Countershaft Front Bearing Retaining	2	2	2
97-381-44	Snap Ring—Drive Gear	1	1	1
97-381-42	Snap Ring—Input Shaft Front Bearing Retaining	1	1	1
97-381-41	Snap Ring—Input Shaft Bearing Cap Retaining	1	1	1
97-381-1	Snap Ring—Mainshaft Internal (Small)	2	2	2
97-381-2	Snap Ring—Mainshaft Internal (Large)	3	3	3
98-381-1	Snap Ring—Mainshaft External (Large)	5	5	5
97-381-32	Snap Ring—Mainshaft Internal (Reverse Gear)	2	2	2
97-381-45	Snap Ring—Mainshaft External (Small)	2	2	2
97-381-43	Snap Ring—Mainshaft 4th & 5th Internal Stop	2	2	2
97-381-46	Snap Ring—Mainshaft External	1	1	1
97-381-2	Snap Ring—Mainshaft Internal	1	1	1

MODEL PS125-7

HDPS-0720-0699

TABULATED BILLS OF MATERIAL

Tab No.	Used By	For Use With Clutch	CLUTCH HOUSING			Drive Gear Input Shaft A-1	Drive Gear Bearing Cap Assembly F-2	Main Case Assembly G-1
			S A E	Assembly No. E-2	Rel. Code Pages 18			
Model PS140-7A								
301444								
-1	Service	Pull Type	2	97-518-52-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-2	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-3	Kenworth	Pull Type	1	97-518-51-1X	100	97-35-102-1X	97-19-52-1X	97-15-56-1X
-4	Volvo GM	Pull Type	2	97-518-52-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-5	Navistar	Pull Type	2	97-518-52-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-6	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-7	Freightliner	Pull Type	1	97-518-53-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-8★	Peterbilt	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-9	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-10	Service	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-11	Navistar	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-12	Mack	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-13★	Crane	Pull Type	1	97-518-51-1X	102	97-35-102-1X	97-19-52-1X	97-15-56-1X
-14	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-15	Navistar	Pull Type	2	97-518-51-1X	—	97-35-106-1X	97-19-52-1X	97-15-56-1X
-16■	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-17	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-18	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-19	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-20	Ford	Pull Type	2	97-518-54-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-21■	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-22	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-23	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-24	Freightliner	Pull Type	1	97-518-53-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-25	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-26	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-27	Freightliner	Pull Type	1	97-518-53-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-28★	Prevost	Pull Type	1	97-518-51-1X	59	97-35-102-1X	97-19-52-1X	97-15-56-1X
-29■	Australia	Pull Type	1	97-518-53-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-30	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-31	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-32	Navistar	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-33	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-34◀	Kenworth	Pull Type	1	97-518-51-1X	100	97-35-102-1X	97-19-52-1X	97-15-56-1X
-35	Ford	Pull Type	2	97-518-52-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-36	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-37	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-38▶	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-39	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-40	Navistar	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-41	Kenworth	Pull Type	1	97-518-51-1X	100	97-35-102-1X	97-19-52-1X	97-15-56-1X
-42	Ford	Pull Type	2	97-518-54-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-43	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-44	Never released for Production							
-45	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X

★ With Clutch Brake Assembly 125237

■ With 97-454-2-1X has (1) each 97-454-2 Speedometer Sleeve and 97-463-34 Oil Seal

◀ With Countershaft Provision on Both Sides

▶ Includes 313291 Neutral Safety Switch Assembly shipped loose

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PS125-7

TABULATED BILLS OF MATERIAL

HDPS-0720-0699

Tab No.	Mainshaft Rear Bearing Cap Assembly H-2 (incl. Bushing, Seal)	SPEEDOMETER		End Yoke or Companion Flange 20	SHIFTER		
		Drive Gear or Signal Gear B-30	Driven Gear H-7		Housing Ass'y Pages 10-13	Lever & Dome Ass'y Page 17	Remote Control Pages 15
Model PS140-7A							
301444							
-1	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-2	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-3	97-19-53-1X	97-452-19	—	6-4-7691	97-16-99-3X	—	—
-4	97-19-53-1X	97-452-18	—	—	97-16-100-3X	—	—
-5	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-6	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-7	97-19-53-1X	97-452-19	—	6-4-7691	97-16-99-3X	—	—
-8	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-9	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-10	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-11	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-12	97-19-53-1X	97-452-20	—	—	97-16-99-3X	—	—
-13	97-19-53-1X	97-452-18	97-453-15	6-4-7691	97-16-99-3X	—	—
-14	97-19-53-1X	97-452-19	—	6.3-4-1251	97-16-99-3X	—	—
-15	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-16	97-19-53-1X	97-452-18	97-453-15	6-4-7691	97-16-99-3X	—	—
-17	97-19-53-1X	97-452-19	—	6.3-4-1251	97-16-99-3X	—	97-18-4-2X
-18	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-100-3X	—	—
-19	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
-20	97-19-53-1X	97-452-19	—	6.3-4-1251-1	97-16-100-3X	—	—
-21	97-19-53-1X	97-452-18	97-453-15	6-4-7691	97-16-100-3X	—	—
-22	97-19-53-1X	97-452-19	—	6.3-4-1251	97-16-99-3X	—	—
-23	97-19-53-1X	97-452-19	—	6.3-4-1251	97-16-99-3X	—	97-18-6-2X
-24	97-19-53-1X	97-452-21	—	—	97-16-100-3X	—	—
-25	97-19-53-1X	97-452-21	—	6-4-7691-1	97-16-100-3X	—	—
-26	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-27	97-19-53-1X	97-452-21	—	—	97-16-100-3X	—	—
-28	97-19-53-1X	97-452-18	97-453-15	6.5-4-3821	97-16-99-3X	—	97-18-3-2X
-29	97-19-53-1X	97-452-18	97-453-15	—	97-16-99-3X	—	—
-30	97-19-53-1X	97-452-19	—	—	97-16-100-3X	—	—
-31	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-100-3X	—	—
-32	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-33	97-19-53-1X	97-452-19	—	6.5-4-3821	97-16-100-3X	—	—
-34	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
-35	97-19-53-1X	97-452-19	—	6.5-4-3821	97-16-100-3X	—	—
-36	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
-37	97-19-53-1X	97-452-19	—	—	97-16-99-3X	—	—
-38	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-39	97-19-53-1X	97-452-19	—	6.3-4-1251	97-16-100-3X	—	—
-40	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-41	97-19-53-1X	97-452-18	—	6-4-7691	97-16-99-3X	—	—
-42	97-19-53-1X	97-452-19	—	6.5-4-3821-1	97-16-100-3X	—	—
-43	97-19-53-1X	97-452-21	—	—	97-16-99-3X	—	—
-44	Never released for Production						
-45	97-19-53-1X	97-452-19	—	6.3-4-1251-1	97-16-100-3X	—	—

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PS125-7

HDPS-0720-0699

TABULATED BILLS OF MATERIAL

Tab No.	Used By	For Use With Clutch	CLUTCH HOUSING			Drive Gear Input Shaft A-1	Drive Gear Bearing Cap Assembly F-2	Main Case Assembly G-1
			S A E	Assembly No. E-2	Rel. Code Pages 18			
Model PS140-7A								
301444 (Cont'd)								
-46	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-47	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-48	Ford	Pull Type	1	97-518-55-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-49	Navistar	Pull Type	2	97-518-52-1X	—	97-35-106-1X	97-19-52-1X	97-15-56-1X
-50	Navistar	Pull Type	2	97-518-52-1X	—	97-35-106-1X	97-19-52-1X	97-15-56-1X
-51	Navistar	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-52	Navistar	Pull Type	2	97-518-52-1X	—	97-35-106-1X	97-19-52-1X	97-15-56-1X
-53	Navistar	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-54§	Service	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-55▶	Volvo GM	Pull Type	1	97-518-53-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-56★	Paccar	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-57	Ford	Pull Type	2	97-518-54-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-58	Ford	Pull Type	2	97-518-54-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-59▶	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-60	Kenworth	Pull Type	1	97-518-51-1X	100	97-35-102-1X	97-19-52-1X	97-15-56-1X
-61	Volvo GM	Pull Type	1	97-518-51-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
Model PS125-7B								
301445								
-1	Volvo GM	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-2	Volvo GM	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-3	Navistar	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-4	Freightliner	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-5	Kenworth	Pull Type	1	97-518-66-1X	100	97-35-102-1X	97-19-52-1X	97-15-56-1X
-6★	Peterbilt	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-7	Navistar	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-8	Ford	Pull Type	2	97-518-70-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-9	Navistar	Pull Type	2	97-518-70-1X	—	97-35-106-1X	97-19-52-1X	97-15-56-1X
-10	Volvo GM	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-11▶	Volvo GM	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-12	Ford	Pull Type	2	97-518-70-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-13	Freightliner	Pull Type	1	97-518-71-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-14	Ford	Pull Type	1	97-518-72-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-15	Ford	Pull Type	2	97-518-70-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-16	Volvo GM	Pull Type	2	97-518-70-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-17	Ford	Pull Type	2	97-518-70-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-18	Ford	Pull Type	2	97-518-70-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-19	Ford	Pull Type	2	97-518-70-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-20	Volvo GM	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-21§	Service	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	96-15-56-1X
-22▶	Volvo GM	Pull Type	1	97-518-71-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-23▶	Volvo GM	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-24	Freightliner	Pull Type	1	97-518-71-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-25★	Paccar	Pull Type	1	97-518-66-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-26	Ford	Pull Type	2	97-518-70-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X
-27	Ford	Pull Type	2	97-518-70-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-28	Ford	Pull Type	2	97-518-70-1X	—	97-35-105-1X	97-19-52-1X	97-15-56-1X
-29	Navistar	Pull Type	2	97-518-70-1X	—	97-35-102-1X	97-19-52-1X	97-15-56-1X

§ Short Box

▶ Includes 313291 Neutral Safety Switch Assembly shipped loose

★ With Clutch Brake Assembly 125237

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

MODEL PS125-7

TABULATED BILLS OF MATERIAL

HDPS-0720-0699

Tab No.	Mainshaft Rear Bearing Cap Assembly H-2 (incl. Bushing, Seal)	SPEEDOMETER		End Yoke or Companion Flange 20	SHIFTER		
		Drive Gear or Signal Gear B-30	Driven Gear H-7		Housing Ass'y Pages 10-13	Lever & Dome Ass'y Page 17	Remote Control Pages 15
Model PS140-7A							
301444 (Cont'd)							
-46	97-19-53-1X	97-452-19	—	6.5-4-3821-1	97-16-100-3X	—	—
-47	97-19-53-1X	97-452-19	—	6.3-4-1251-1	97-16-99-3X	—	—
-48	97-19-53-1X	97-452-19	—	6.5-4-3821-1	97-16-99-3X	—	—
-49	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-50	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-51	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-52	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-53	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-54	97-19-53-1X	—	—	—	—	—	—
-55	97-19-53-1X	97-452-19	—	—	97-16-100-3X	—	—
-56	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-57	97-19-53-1X	97-452-19	—	6.5-4-3821-1	97-19-99-3X	—	—
-58	97-19-53-1X	97-452-19	—	6.5-4-3821-1	97-16-99-3X	—	—
-59	97-19-53-1X	97-452-19	—	—	97-16-99-3X	—	—
-60	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
-61	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
Model PS125-7B							
301445							
-1	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-2	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-3	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-4	97-19-53-1X	97-452-19	—	—	97-16-99-3X	—	—
-5	97-19-53-1X	97-452-19	—	6-4-7691	97-16-99-3X	—	—
-6	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-7	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-8	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-9	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-10	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-11	97-19-53-1X	97-452-19	—	—	97-16-100-3X	—	—
-12	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-13	97-19-53-1X	97-452-19	—	—	97-16-100-3X	—	—
-14	97-19-53-1X	—	—	—	97-16-100-3X	—	—
-15	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-100-3X	—	—
-16	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-17	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-18	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
-19	97-19-53-1X	97-452-19	—	6.3-4-1251	97-16-100-3X	—	—
-20	97-19-53-1X	97-452-21	—	—	97-16-99-3X	—	—
-21	97-19-53-1X	—	—	—	—	—	—
-22	97-19-53-1X	97-452-19	—	—	97-16-100-3X	—	—
-23	97-19-53-1X	97-452-19	—	—	97-16-99-3X	—	—
-24	97-19-53-1X	97-452-19	—	—	97-16-99-3X	—	—
-25	97-19-53-1X	—	—	—	97-16-99-3X	—	—
-26	97-19-53-1X	97-452-19	—	6-4-7691-1	97-16-99-3X	—	—
-27	97-19-53-1X	97-452-19	—	5-4-7951-1	97-16-99-3X	—	—
-28	97-19-53-1X	97-452-19	—	6.3-4-1251-1	97-16-99-3X	—	—
-29	97-19-53-1X	—	—	—	97-16-100-3X	—	—

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