BOLIENS

HUSKY TRACTOR

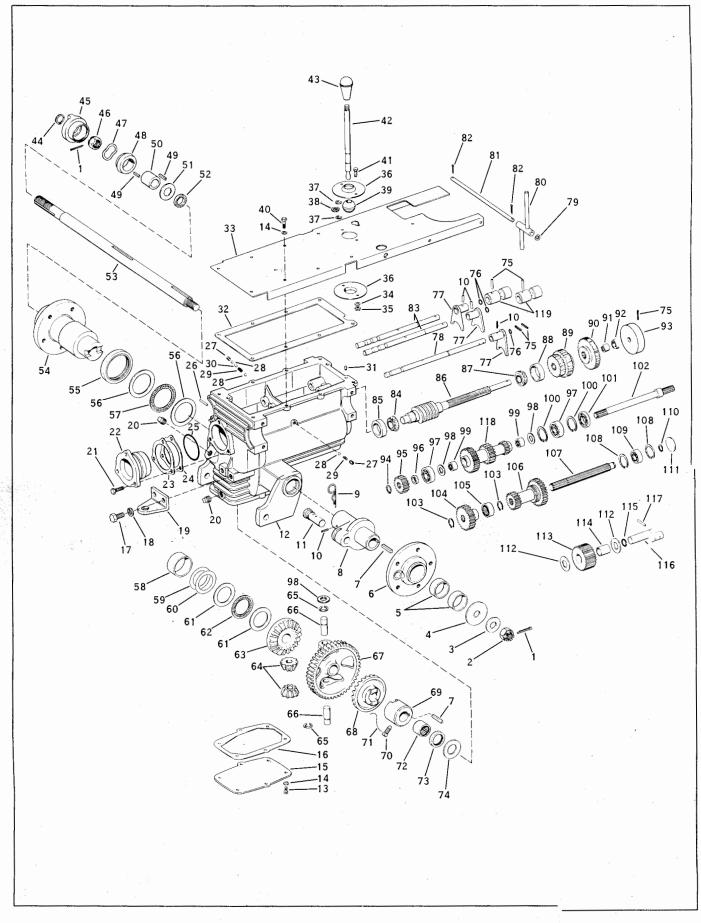
MODEL 190-01

ILLUSTRATED PARTS CATALOG



PRINTED IN U.S.A.



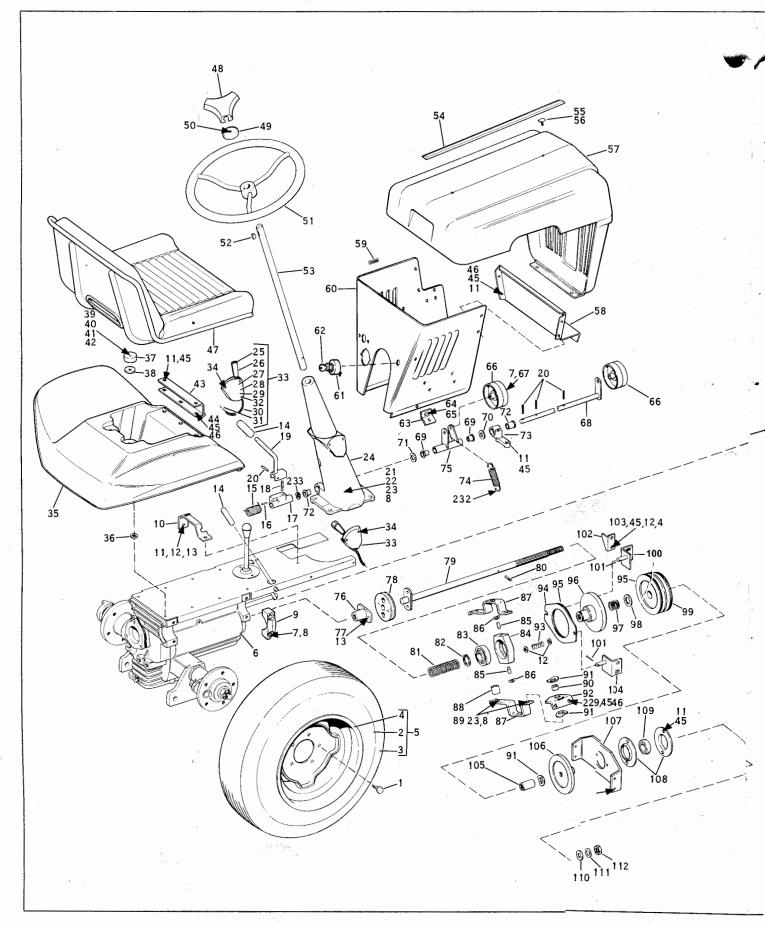


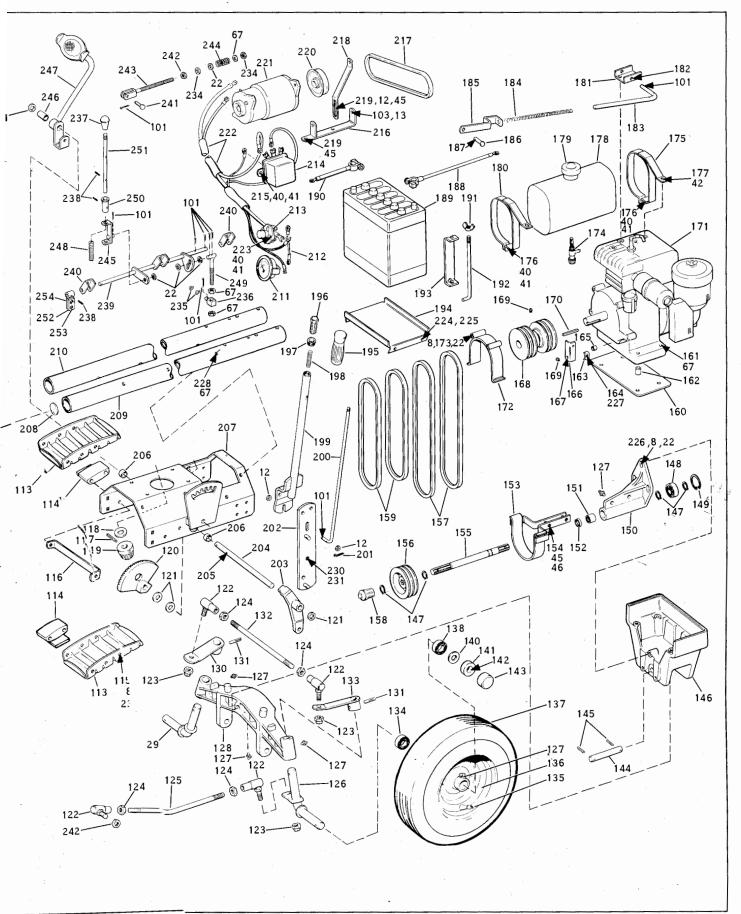
TRANSMISSION ASSEMBLY MODEL 190-01

Ref. Part No. Description No. Ref. Part No. Description I 1 1100352 Cotter Pin 1/8 x 1-1/2 2 1165633 Thrust Race 2 1100453 Hex Nut 3/4-16 1 63 1716501 Bevel Cear 22T 4 1716502 Washer 1 64 1713466 Bevel Pinion IOT 5 1185646 Bronz Description 1 66 1713467 Pinion Shaft 7 1104337 Sq. Y/4 x 1-1/2 2 67 1716530 Worn Wheel 8 1716506 Dirive Collar 1 68 1716630 Pinion Shaft 10 1703066 Rill Pin 1/8 x 3/4 4 70 1716519 Dirive Screw 11 100377 Caaserew 5/16-18 x 5/6 6 71 1165642 Dirasal 11 100387 Caaserew 5/16-18 x 5/6 6 71 176469 Borlan //6 x 11 11 1713428 Borthowasher 5/16 1 77 17				sector set	_				
No. Description Req'd. No. No. Description I 1 1100352 Cotter Pin 1/8 x 1-1/2 2 1 1 1165633 Thrust Race 1 3 1707410 Washer 1 63 1716501 Bevel Gear 22T 1 4 1716502 Washer 1 64 1713466 Bevel Inion 10T 5 1185666 Bronze Bearing 2 65 1185561 Retaining Ring 1016337 Sq. Key 1/4 x 1-1/2 2 67 1716503 Drive Hub 101703066 Brole Colar 1 68 1716503 Drive Screw 1 11 1713426 Lock Pin 1 71 1716694 Washer 13 1106872 Capscrew 5/16-18 x 5/8 6 73 1185642 Oil Scal 14 1100242 Lockwasher 5/16 14 71 1176504 Washer 13 1106875 Lockwasher 5/16 14 71174648	Ref	Dart		No]	Rof	Dart		No.
1 110032 Cotter Pin 1/8 x 1-1/2 2 61 1185638 Thrust Race 2 1109653 Hex Nut 3/4-16 1 62 1185638 Thrust Bearing 3 1707410 Washer 1 63 1716501 Bevel Gear 22T 4 1716502 Washer 1 64 1713406 Bevel Gear 22T 6 1716503 Bruw Well 1 66 1713467 Pinion Shaft 1 1104373 Sq. xg 1/4 x 1-1/2 2 67 1716513 Worm Wheel 1 1713462 Lock Pin 1 171476503 Drive Rub 1 1 1703066 Roll Pin 1/8 x 3/4 4 70 1716503 Drive Rub 1 1 1703076 Roar Case 1 71 1716692 Noking Wite 1 1 1703076 Lock washer 5/16 1 71 1716693 Nint or x 1 1 1 1100475 Lock washer 1/2 2 <t< td=""><td></td><td></td><td>Description</td><td></td><td></td><td></td><td></td><td>Description</td><td>Req'o</td></t<>			Description					Description	Req'o
	140.	110.	Description	neg u.	1		NO.	Description	Req (
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	1100352	Cottor Din $1/8 \times 1 - 1/9$	9		61	1185638	Thrust Bago	2
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		1100653	Hox Nut $3/4$, 16						
		1707410	Wesher						
5 118564 Bronze Bearing 2 65 1185661 Retaining Ring 7 1104337 Sq. Key 1/4 x 1-1/2 2 67 1716615 Worm Wheel 8 1716506 Drive Collar 1 68 1716680 Bevel Gear 22T 9 1185506 Bitch Pin 1 68 1716150 Drive Screw 11 1713426 Lock Pin 1 71 1716504 Need Gear 22T 13 1106872 Capscrew 5/16 14 70 1185645 Need Gear 22T 14 1100242 Lockwasher 5/16 14 71 1185645 Need Gear 22T 14 1100242 Lockwasher 5/16 14 71716504 Washer 15 1713428 Bottom Cover 1 76 1705648 Shifter Arm 16 17143477 Bay Shifter Arm 1 7016487 Shift Lever 11 110563 Need Fear 1 1 716483 Shift Lever 11 116563 Need Fear 1 1 71716487 Shift Lever 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>									1
					· ·				2
7 1104337 Sq. Key $1/4 \ge 1-1/2$ 2 67 1716513 Worm Wheel 9 1185500 Hitch Pin 1 68 1716650 Drive Colar 1 9 1185500 Hitch Pin 1 1660 Trite513 Drive Screw 11 1713426 Lock Pin 1 1716519 Drive Screw 1 12 1716517 Gear Case 1 77 1185645 Needle Barring 1 13 1106272 Capscrew 5/16-18 x 5/8 6 73 1185645 Needle Barring 1 14 1100242 Lockwasher 5/16 14 77 1716504 Washer 1 16 1713427 Capscrew 1/2-13 x 1 2 77 1716449 Shifter Arm 18 1100245 Lockwasher 1/2 2 78 1716449 Shifter Arm 1 19 1741041 179 1716505 Shifter Arm 1 185205 Dearing Cos 21 1105637 Chay Shim 0.125 A s Req. 63 11716449 Shift<							1185561	Retaining Ring	2
8 1716506 Drive Collar 1 68 1716669 Device Rul 22T 9 1165509 Hitch Pin 1 66 1716503 Drive Strew 10 1703066 Roll Pin 1/2 x 3/4 4 70 1716519 Drive Strew 11 1713426 Locking Wire 1 1716514 Meaher 1 11 1713427 Cascer 5/16-18 x 5/8 6 73 1186642 Oil Seal 14 1100242 Lockwasher 5/16 14 74 1716504 Washer 15 1713428 Bottom Cover 1 75 1706492 Roll Pin 1/8 x 1 16 1713424 Shifter Arm 1 76 1706514 Washer 11 11005675 Lockwasher 1/2 2 78 11716530 Shifter Arm 11 1105677 Dearscrew 2 81 1716494 Shifter Arm 11 1165678 Bearing Cap 1 82 1716494 Shifter Arm 11 1165636 O-Ring 1 82 17164404 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td>									2
9 1185500 Hitch Pin 1 68 1716503 Drive Screw 11 1713426 Lock Pin 1 1716515 Drive Screw 11 1713426 Lock Pin 1 1716515 Drive Screw 12 1716517 Gear Case 1 1716504 Washer 13 1106872 Capscrew 5/16-18 x 5/8 6 73 1185642 Oil Seal 14 100242 Lockwasher 5/16 14 77 1716504 Washer 15 1713427 Gasket 1 76 17176405 Nitter Arm 18 1100245 Lockwasher 1/2 2 76 1716407 Shitter Arm 18 1100245 Capscrew Special 3 81 1716435 Shitter Arm 11 1186563 Cater pin 3/16 x 3/4 1 82 1100346 Cotter pin 3/32 x 3/4 1716434 Shitm .015 As Req. 83 1185202 Dearing Cone 11802042 Set Screw <td>7</td> <td>1104337</td> <td>Sq. Key 1/4 x 1-1/2</td> <td>2</td> <td></td> <td>67</td> <td></td> <td></td> <td>1</td>	7	1104337	Sq. Key 1/4 x 1-1/2	2		67			1
10 1703066 Roll Pin 1/8 x 3/4 4 70 1716519 Derrew 11 1714526 Locking Wire 1 1716516 Discrew 11 1716517 Gear Case 1 71 1716562 Discrew 11 1100827 Capscrew 5/16-18 x 5/8 6 73 1185643 Oil Scal 15 1713428 Bottom Cover 1 75 1704692 Roll Pin 1/8 x 1 16 1713427 Gasket 1 76 1703616 Bowd Washer 17 1106945 Capscrew 1/2-13 x 1 2 78 1716459 Shifter Arm 18 1002445 Lockwasher 1/2 2 78 1716459 Shifter Shaft 19 1716479 Baring Cap 1 83 1716457 Shift Arm 21 1106576 Pla 3/8 N.P.T. 2 80 1716447 Shifter Shaft 21 1716449 Shim. 0125 As Req. 33 1713424 Shifter Shaft 21 1716449 Shim. 005 As Req. 1185205						68	1716689	Bevel Gear 22T	1
10 1703066 Roll Pin 1/8 x 3/4 4 70 1716519 Derrew 11 1714526 Locking Wire 1 1716516 Discrew 11 1716517 Gear Case 1 71 1716562 Discrew 11 1100827 Capscrew 5/16-18 x 5/8 6 73 1185643 Oil Scal 15 1713428 Bottom Cover 1 75 1704692 Roll Pin 1/8 x 1 16 1713427 Gasket 1 76 1703616 Bowd Washer 17 1106945 Capscrew 1/2-13 x 1 2 78 1716459 Shifter Arm 18 1002445 Lockwasher 1/2 2 78 1716459 Shifter Shaft 19 1716479 Baring Cap 1 83 1716457 Shift Arm 21 1106576 Pla 3/8 N.P.T. 2 80 1716447 Shifter Shaft 21 1716449 Shim. 0125 As Req. 33 1713424 Shifter Shaft 21 1716449 Shim. 005 As Req. 1185205	9	1185590	Hitch Pin	1		69	1716503	Drive Hub	1
11 1713426 Lock Pin 1 11 171 1716692 Lock Pin 13 1106872 Capscrew 5/16-18 x 5/8 6 73 1185642 Oil Seal 14 100242 Lock washer 5/16 14 74 1716504 Washer 15 1713427 Gasket 1 75 1706492 Roll Pin 1/8 x 1 16 1713427 Gasket 1 76 1177388 Oshifter Arm 18 1100245 Lock washer 1/2 2 78 1716478 Shifter Shaft 20 1105678 Plug 3/8 N.P.T. 2 80 1716447 Shifter Shaft 21 1186563 Oshifter Shaft 1 82 1100346 Cotter 10: 3/32 x 3/4 23 1716493 Shim. 005 As Req. 33 11716473 Shifter Shaft 24 1716494 Shim. 005 As Req. 34 1185201 Bearing Cone 25 1185636 Osling 1 85 1185207 Bearing Cone 26 1713441 86 185202	10	1703066	Roll Pin $1/8 \ge 3/4$			70			2
12 1716517 Gear Case 1 72 1185645 Needle Paering 14 1100242 Lockwasher 5/16 14 74 1716504 Washer 15 1713428 Bottom Cover 1 75 1704692 Roll Pin 1/8 x 1 16 1713427 Gasket 1 76 1704692 Roll Pin 1/8 x 1 17 1106985 Capscrew 1/2-13 x 1 2 77 1716480 Shifter Arm 18 100245 Lockwasher 1/2 2 78 1716471 Shifter Shaft 19 1714101 Hitch 1 79 1703616 Bowd Washer 21 1165677 Apscrew - Special 3 81 1716437 Shifter Shaft 21 1716493 Shim. 0125 As Req. 83 11713424 Shifter Shaft 21 1716493 Shim. 0125 As Req. 83 1185207 Bearing Cone 26 1120209 Roll Pin 3/16 x 3/4 1 86 1185276 Bearing Cup 27 1185634 Shifter Shaft 92	11								1
13 1106872 Capscrew 5/16-18 x 5/8 6 73 1135642 Oil Seat 15 1713427 Gasket 1 75 1706462 Nilsen 15 1713427 Gasket 1 75 1706462 Nilsen 16 1713427 Gasket 1 76 1177388 Shifter Arm 18 1100245 Lockwasher 1/2 2 78 1716514 Shifter Arm 20 1105678 Plug 3/8 N. P. T. 2 80 1716447 Shifter Shaft 21 1185637 Capscrew - Special 3 81 1716453 Shifter Shaft 21 1185636 O-Ring 1 82 1100346 Cotter 10: 3/32 x 3/4 21 1185636 O-Ring 1 81 1185201 Bearing Cop 21 1185636 O-Ring 1 86 1185207 Bearing Cop 21 118542 Strong Cop 1713441 81 185276 Bearing Cop 21 118542 Strong Cop 1713439 Sling Cop 1713459									1
14 1100242 Lockwasher 5/16 14 74 1716504 Washer 15 1713428 Bottom Cover 1 75 1706692 Roll Pin 1/8 x 1 16 1713427 Gasket 1 76 1177888 O-Ring 17 1106965 Capscrew 1/2-13 x 1 2 77 1776849 Shifter Arm 19 1714101 Hitch 1 79 17703616 Bowee Washer 21 1106676 Plug 3/8 N, P, T, 2 80 1716447 Shift Lever 21 1106576 Dearing Cap 1 82 1100346 Cotter Pin 3/32 x 3/4 23 1716494 Shim. 0125 As Req. 83 1713424 Shifter Shaft 24 1716494 Shim. 005 As Req. 84 1185201 Bearing Cup 26 1120209 Roll Pin 3/16 x 3/4 1 86 1185275 Bearing Cup 27 1718434 Shifter Shaft 11 13439 Shiding Gear 30 1713417 Spring 2 89 17134				-					
15 1713428 Bottom Cover 1 75 1704692 Roll Pin $1/8 \times 1$ 16 1713427 Gasket 1 76 117788 O-Ring 17 1106965 Capscrew $1/2 - 13 \times 1$ 2 77 1716514 Shifter Shaft 18 1100245 Lockwasher $1/2$ 2 78 1716614 Shifter Shaft 20 1105678 Ping $3/8 \times N. P. T.$ 2 80 1716487 Shifter Shaft 21 1185636 Capscrew - Special 3 81 1714487 Shifter Shaft 21 11865637 Capscrew - Special 3 81 1714424 Shifter Shaft 23 1716493 Shim .0125 As Req. 83 1713420 Bearing Cone 25 1185636 O-Ring 1 86 1185276 Bearing Cone 26 112844 Balt 3 84 1185276 Bearing Cop 29 1713421 Pin 1 90 1713439 Shiding Gear 31 100241 Lockwasher 1/4 2 <td< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></td<>				-					
16 1713427 Gasket 1 76 1177388 Online 7.000 17 1106965 Capscrew 1/2-13 x 1 2 77 1776489 Shifter Arm 18 1100245 Lockwasher 1/2 2 78 1716514 Shifter Arm 19 1714101 Hitch 1 79 17703616 Dowe Washer 21 1106577 Pug 3/8 N, P, T, 2 0 1716487 Shifter Arm 21 1105637 Capscrew - Special 3 81 1713424 Shifter Shaft 21 1716494 Shim. 0125 As Req. 83 1713424 Shifter Shaft 21 1716494 Shim. 005 As Req. 83 1713424 Shifter Shaft 25 1185636 O-Ring 1 86 1185201 Bearing Cup 10 26 1120209 Roll Pin 3/16 x 3/4 1 86 1185276 Bearing Cup 11 21 1713439 Siding Gear 1 11 1181615 Needle Bearing Cup 11 21 1713439									
171106985Capscrew 1/2-13 x 12771716409Shifter Arm181100245Lockwasher 1/22781716514Shifter Arm191714101Hitch1791703616Bowed Washer201105678Plug 3/6 N. P. T.2801716437Shift Lever211185637Capscrew - Special3811716430Shift Lever21116493Shim .0125As Req.831713424Shifter Shaft241716494Shim .005As Req.841185201Bearing Cone251185636O-Ring1861173408Worm Shaft261120209Roll Pin 3/16 x 3/41861173408Worm Shaft271185342Set Screw2871185276Bearing Cone281713416Ball3881185276Bearing Cup291713417Spring2891713499Gaar 38T311182682Breather191118505Needle Bearing321713424Gasket1921891820Oil Seal33171615Cover Plate1921713499Ball Bearing341100241Lockwasher 1/42941186034Ball Bearing35112157Hex Nut 1/4-202961716490Gear 19T361706782Bowed Washer1991132578Ball Bearing </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td>									5
18 1100245 Lockwasher 1/2 2 78 1716514 Shifter Shaft 19 1714101 Hitch 1 79 1706616 Bowed Washer 21 1105678 Plug 3/8 N, P, T. 2 80 1716434 Shift Lever 21 116497 Bearing Cap 1 82 1100346 Cotter Pin 3/32 x 3/4 23 1716494 Shim .0125 As Req. 83 1713424 Shifter Shaft 24 1716494 Shim .0125 As Req. 84 1185201 Bearing Cone 25 1185636 O-Ring 1 85 1185275 Bearing Cup 26 1120209 Roll Pin 3/16 x 3/4 1 86 1185275 Bearing Cup 28 1713416 Ball 3 88 1185275 Bearing Cup 29 1713417 Spring 2 89 1713439 Sliding Gear 31 182682 Bracket 1 91 1713439 Sliding Gear 32 1713429 Gasket 1 93 1713495<									3
191714101Hitch1791708016Bowed Washer201105678Plug 3/8 N. P. T.2801716487Shift Lever211185637Capscrew - Special33811716437Shift Lever221716497Bearing Cap1821100346Cotter Pin 3/32 x 3/4231716493Shim. 005As Req.841185201Bearing Cone251185036O-Ring1861713408Worm Shaft261120209Roll Pin 3/16 x 3/41861713408Worm Shaft271185342Set Screw2871185276Bearing Cup281713416Ball3881185276Bearing Cup291713417Spring2891713499Sliding Gear301713421Pin1901713490Bearing311182682Breather1911185165Needle Bearing321713429Gasket1921891820Oil Seal331716615Cover Plate1931716490Spacer341100241Lockwasher 1/4294118608Retaining Ring351121507Hex Nut 1/4-202951716490Spacer361706422Bowed Washer1981125674Needle Bearing371106842Gascew1911185633Oil Seal									3
191714101Hitch1791703616Bowed Washer201105678Plug 3/8 N.P.T.2801716487Shift Lever211185637Capscrew - Special3811716430Shift Lever221716497Bearing Cap1821100346Cotter Pin 3/32 x 3/4231716493Shim .0125As Req.841185201Bearing Cone241716494Shim .005As Req.841185202Bearing Cone251185636O-Ring1861173408Worm Shaft26112209Roll Pin 3/16 x 3/41861173408Worm Shaft271185342Set Screw2871185276Bearing Cup281713416Ball3881185276Bearing Cup291713417Spring2891713499Sliding Gear301713421Pin1901713499Gear 38731182626Breather1921891820Oil Seal321716455Oear 197911185635Bearing Retainer331716455Bearing Retainer2961716495341100621Lockwasher 1/4294118608351716450Bearing Retainer297361713423Pivot Ball1981727633716455Bearing Retainer297118563338 <td></td> <td></td> <td></td> <td></td> <td></td> <td>78</td> <td>1716514</td> <td>Shifter Shaft</td> <td>1</td>						78	1716514	Shifter Shaft	1
20 1105678 Plug 3/8 N. P. T. 2 80 1716497 Shift Lever 21 1185637 Capscrew - Special 3 81 1716530 Shaft 21 1716497 Bearing Cap 1 82 1100346 Cotter Pin 3/32 x 3/4 23 1716494 Shim .0125 As Req. 83 1713424 Shift er Shaft 24 1716494 Shim .005 As Req. 83 1713424 Shift er Shaft 25 1185636 O-Ring 1 86 1713408 Worm Shaft 26 1120209 Roll Pin 3/16 x 3/4 1 86 1713408 Worm Shaft 28 1713416 Ball 3 88 1185276 Bearing Cup 29 1713417 Spring 2 89 1713439 Skiding Gear 30 1713429 Gasket 1 91 1185165 Needle Bearing 31 182662 Breather 1 92 1171577 Brake Drum 33 1716155 Cover Plate 1 91 1713				1					1
211185637Capscrew - Special3611716530Shart221716497Bearing Cap1821100346Cotter Pin 3/32 x 3/4231716493Shim. 0125As Req.8311713424Shifter Shaft241716494Shim. 005As Req.841185202Bearing Cone251185566O-Ring1851185205Bearing Cup261120209Roll Pin 3/16 x 3/41861185207Bearing Cup291713416Ball3881185276Bearing Cup291713417Spring2891713439Sliding Gear311182682Breather1901713409Gear 38T311182682Gasket1921891820Oil Seal31112157Hex Nut 1/4-202941118608Retaining Ring331713455Bearing Retainer2961716495Spacer341100241Lockwasher 1/42941118608Retaining Ring351121507Hex Nut 1/4-202951716495Spacer3701713455Bearing Retainer2961718455Ball Bearing3811007682Dove Washer1991185074Needle Bearing3811106836Capscrew 5/16-18 x 7/881001700012Retaining Ring4401106832Capscrew 5/16-18 x 7/8100 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>î</td></td<>									î
221716497Bearing Cap1821100346Cotter Pin $3/32 \ge 3/4$ 231716493Shim. 0125As Req.831713424Shifter Shaft241716494Shim. 005As Req.841185201Bearing Cone251185636O-Ring1861713408Boaring Cone261120209Roll Pin $3/16 \ge 3/4$ 1861713408Boaring Cone271185342Set Screw2871185275Bearing Cone281713416Ball3881185276Bearing Cup291713417Spring2891713409Gear 38T301713429Gasket1901713409Gear 38T31182682Breather1911185166Needle Bearing31110241Lockwasher 1/42941118808Retaining Ring331716515Cover Plate1921891820Oil Seal331716515Cover Plate1931713439Breating Ring341100241Lockwasher 1/42941118808Retaining Ring351121507Hex Nut 1/4-202951716490Gear 19T381706782Bowed Washer1991185074Needle Bearing381706782Bowed Washer11021716480Gear 28T431716546Capscrew 5/16-18 x 7/81001103113527									
231716493Shim .0125As Req.831713424Shifter Shaft241716494Shim .005As Req.841185201Bearing Cone251185636O-Ring1851185202Bearing Cup261120209Roll Pin 3/16 x 3/41861713408Worm Shaft271185342Set Screw2871185275Bearing Cup281713417Spring2891713439Sliding Gear291713417Spring2891713439Sliding Gear31128262Breather1901713409Gear 38T31110241Lockwasher 1/42941118808Retaining Ring331716515Cover Plate1931716490Gear 19T34'1100241Lockwasher 1/42941118808Retaining Ring35121507Hex Nut 1/4-202951716490Spacer371118604Retaining Ring2971185634Ball Bearing381706782Bowed Washer1991185674Needle Bearing4341106832Capscrew 5/16-18 x 7/881001700012Retaining Ring431713423Pivot Ball11021716483Input Shaft431716518Shifter Shaft11021716483Input Shaft431716518Shaft11041716491 <td< td=""><td></td><td>1716407</td><td>Bearing Can</td><td>-</td><td></td><td></td><td>1100940</td><td>Cotton Din 2/22 - 2/4</td><td>2</td></td<>		1716407	Bearing Can	-			1100940	Cotton Din 2/22 - 2/4	2
241716494Shim .005As Req.841185201Bearing Cone251185636O-Ring1851185202Bearing Cup261120209Roll Pin 3/16 x 3/41861185275Bearing Cup271185342Set Screw2871185275Bearing Cup281713416Ball3881185276Bearing Cup291713417Spring2891713439Sliding Gear301713421Pin1901713439Sliding Gear31182682Breather1911185165Needle Bearing321713597Gasket1921891820Oil Seal321713597Bearing Retainer2941713597Brake Drum34110241Lockwasher 1/42941716496Gear 19T351121507Hex Nut 1/4-202951716490Gear 19T361713455Bearing Retainer2961716496Spacer371118804Retaining Ring2971185634Ball Bearing431706782Bowed Washer1991185074Needle Bearing441106876Capscrew 5/16-18 x 7/88100170012Retaining Ring441106876Capscrew 5/16-18 x 7/81001185635Needle Bearing441106876Capscrew 5/16-18 x 7/81001185635Needle Bearin	22	1716409	China 0195	-					
2511853620-Ring1851185202Bearing Cup261120209Roll Pin 3/16 x 3/41861713408Worm Shaft271185342Set Screw2871185275Bearing Cup291713416Ball3881185276Bearing Cup291713417Spring2891713439Sliding Gear301713421Pin1901713439Gear 38T31182682Breather1911185165Needle Bearing321713429Gasket1921891802Oil Seal331716515Cover Plate19317134597Brake Drum341100241Lockwasher 1/42941118608Retaining Ring351121507Hex Nut 1/4-202951716490Gear 19T361713455Bearing Retainer2961718634Ball Bearing381706782Bowed Washer1981712763Washer391713423Pivot Ball1991185633Oil Seal*401106876Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106872Capscrew 1/4-20 x 5/821011185633Oil Seal*41106876Capscrew 1/411031113527Retaining Ring*421716518Schit Lever11021716480Gear 28T<									2
261120209Roll Pin 3/16 x 3/41861713408Worm Shaft271185342Set Screw2871185275Bearing Cone281713416Ball3881185276Bearing Cup291713417Spring2891713439Sliding Gear301713421Pin1901713409Gear 38T3118262Breather191185165Needle Bearing321713429Gasket1921891820Oil Seal331716515Cover Plate1931713597Brake Drum341100241Lockwasher 1/42941118808Retaining Ring351121507Hex Nut 1/4-202951716490Gear 19T361713425Bearing Retainer2961716495Spacer371118804Retaining Ring2971185634Ball Bearing381706782Bowed Washer1981712763Washer391713423Pivot Ball1981712763Washer*401106876Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106823Capscrew 1/4-20 x 5/821011185633Oil Seal*411106826Satining Ring11031113527Retaining Ring*44180021Satining Ring11041716491Gear 28T <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>									1
271185342Set Screw2871185275Bearing Cone281713416Ball3881185276Bearing Cup301713421Pin1901713499Gear 38T31182682Breather1911185165Needle Bearing321713429Gasket1921891820Oil Seal $331716515Cover Plate1931713597Brake Drum34'1100241Lockwasher 1/42941118008Retaining Ring34'1100241Lockwasher 1/42951121507Hex Nut 1/4-2035'1121507Hex Nut 1/4-202951186034Ball Bearing36'1713455Bearing Retainer2961716495Spacer37111804Retaining Ring2971185634Ball Bearing381706782Bowed Washer1981707012Retaining Ring4101106832Capscrew 5/16-18 x 7/88100170012Retaining Ring4411106832Capscrew 1/4-20 x 5/821011185633Oil Seal4411106832Capscrew 1/4-20 x 5/821011185635Needle Bearing4411106832Capscrew 1/4-20 x 5/821011185635Needle Bearing4411106832Capscrew 1/4-20 x 5/821011185635Needle Bearing4411106832$									1
281713416Ball3881165276Bearing Cup291713417Spring2891713439Sliding Gear301713421Pin1901713409Gear 38T31182682Breather1911185165Needle Bearing321713429Gasket1921891820Oil Seal331716515Cover Plate1931713597Brake Drum341100241Lockwasher 1/42941118806Retaining Ring341102441Lockwasher2951716490Gear 19T34110846Retaining Ring2971186634Ball Bearing3511713455Bearing Retainer2961716495Spacer371118604Retaining Ring2971186534Ball Bearing*381706782Bowed Washer1981712763Washer*391713423Pivot Ball1991185034Needle Bearing*411106872Capscrew 1/4-20 x 5/821011186633Oil Seal*421715467Kabin11021716483Input Shaft*431715546Kabin11041716491Gear 28T*4411800275Sk bining Ring11041716491Gear 28T451714564Kaob1108118673Needle Bearing461120125 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>86</td> <td></td> <td></td> <td>1</td>						86			1
28 1713416 Ball 3 88 1185276 Bearing Cup 29 1713417 Spring 2 89 1713439 Sliding Gear 30 1713421 Pin 1 90 1713439 Sliding Gear 31 182682 Breather 1 91 1185165 Needle Bearing 32 1713429 Gasket 1 92 1891820 Oil Seal 33 1716515 Cover Plate 1 91 1185065 Spacer 34 1100241 Lockwasher 1/4 2 94 1118008 Retaining Ring 2 95 1716490 Gear 19T 356 1713555 Bearing Retainer 2 96 1716490 Gear 19T 9 368 1706782 Bowed Washer 1 98 1712763 Washer 8 100 1700012 Retaining Ring 4 44 1106872 Capscrew 1/4-20 x 5/8 2 101 1185633 Oil Seal 3 451 1715545 Stabing Ring 1 102						87	1185275	Bearing Cone	1
29 1713417 Spring289 1713439 Sliding Gear30 1713421 Pin190 1713409 Gear 38T31 18262 Breather191 1185165 Needle Bearing32 1713429 Gasket192 1891820 Oil Seal32 1713429 Gasket192 1891820 Oil Seal33 1716515 Cover Plate193 1713597 Brake Drum34 1100241 Lockwasher $1/4$ 294 1118808 Retaining Ring*35 1121507 Hex Nut $1/4-20$ 295 1716490 Gear 19T*36 1706782 Bowed Washer199 1185074 Ball Bearing*37 111804 Retaining Ring297 1185634 Ball Bearing*38 1706782 Bowed Washer199 1185074 Needle Bearing*38 1706782 Bowed Washer199 1185074 Needle Bearing*41 1106876 Capscrew $5/16-18 \times 7/8$ 8 100 1700012 Retaining Ring*41 1106876 Capscrew $5/16-18 \times 7/8$ 8 100 1700012 Retaining Ring*41 1106832 Capscrew $1/4-20 \times 5/8$ 2 101 1185633 Oil Seal*41 1106832 Capscrew $1/4-20 \times 5/8$ 2 101 1185635 Needle Bearing*41 1106832 Capscrew $1/4-20 \times 5/8$ 2 101 1185	28	1713416	Ball	3		88	1185276	Bearing Cup	1
301713421Pin1901713409Gear $38T$ 31182682Breather1911185165Needle Bearing311713429Gasket1921891802Oil Seal331716515Cover Plate1931713597Brake Drum34'1100241Lockwasher 1/42941118808Retaining Ring351121507Hex Nut 1/4-202951716490Gear 19T361713455Bearing Retainer2961716495Spacer371118804Retaining Ring2971185634Ball Bearing381706782Bowed Washer1991185074Needle Bearing*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106876Capscrew 1/4-20 x 5/82101118503Oil Seal*411106876Capscrew 1/4-20 x 5/82101118503Oil Seal*411106876Capscrew 1/4-20 x 5/82101118503Oil Seal*411106876Capscrew 1/4-20 x 5/82101118503Input Shaft*411106876Kaining Ring11041716491Gear 28T*41110697Actaining Ring11041716491Gear & Shaft*431715546Snob110	29	1713417	Spring						1
31182682Breather1911185165Needle Bearing321714515Cover Plate1921891820Oil Seal331716515Cover Plate1931713597Brake Drum341100241Lockwasher 1/42941118808Retaining Ring351121507Hex Nut 1/4-202951716490Gear 19T361713455Bearing Retainer2961716495Spacer37118804Retaining Ring2971185634Ball Bearing381706782Bowed Washer1981712763Washer391713423Pivot Ball1991185074Needle Bearing441106876Capscrew 5/16-18 x 7/881001700012Retaining Ring441106832Capscrew 5/16-18 x 7/881001700012Retaining Ring441106832Capscrew 1/4-20 x 5/821011185633Oil Seal*441106832Capscrew 1/4-20 x 5/821011185635Needle Bearing*441106832Kataining Ring11041716491Gear 28T*451714564Adasting Nut11051185635Needle Bearing441102025Her. Nut 1-1411061716480Gear & Shaft471714562Drive Cone11081118723Retaining Ring481714562Drive Cone<									1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									1
*3.31716515Cover Plate1931713597Brake Drum*341100241Lockwasher $1/4$ 2941118808Retaining Ring*351121507Hex Nut $1/4-20$ 2951716490Gear 19T*361713455Bearing Retainer2961716495Spacer*371118804Retaining Ring2971185634Ball Bearing*3917052Bowed Washer1981712763Washer*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew $5/16-18 \times 7/8$ 81001700012Retaining Ring*411106832Capscrew $5/16-18 \times 7/8$ 81001700012Retaining Ring*411106832Capscrew $1/4-20 \times 5/8$ 21011185633Oil Seal*421710534Knob11031113527Retaining Ring*431715546Knob11031113527Retaining Ring44180073Retaining Ring11041716491Gear 28T451714564Aquasting Nut11051186635Needle Bearing461120125Her. Nut 1-1411061716480Gear 4 Shaft471714562Drive Cone1108118723Retaining Ring501714562Drive Cone1108118607Retaining Ring511714562Drive C				-					-
*341100241Lockwasher $1/4$ 2941118008Retaining Ring*351121507Hex Nut $1/4-20$ 2951716490Gear 19T*361713455Bearing Retainer2961716495Spacer*371118804Retaining Ring2971185634Ball Bearing*381706782Bowed Washer1981712763Washer*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew $5/16-18 \times 7/8$ 8100170012Retaining Ring*411106832Capscrew $1/4-20 \times 5/8$ 21011185633Oil Seal*421716518Thit Lever11021716483Input Shaft*431715546Knob11031113527Retaining Ring44118007Actaining Ring11041716491Gear 28T451714564Actasting Nut11051185635Needle Bearing461120124Her: Nut 1-1411061716490Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714564Kay11081118723Retaining Ring491104336Sq. Key $1/4 \times 1$ 21091104349Ball Bearing501714561Coupling11101118807Retaining Ring511714563Seal1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
*351121507Hex Nut $1/4-20$ 2951716490Gear 19T*361713455Bearing Retainer2961716495Spacer*371118804Retaining Ring2971185634Ball Bearing*381706782Bowed Washer1981712763Washer*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew $5/16-18 \times 7/8$ 81001700012Retaining Ring*411106832Capscrew $5/16-18 \times 7/8$ 81001700012Retaining Ring*411106832Capscrew $5/16-18 \times 7/8$ 81001700012Retaining Ring*411106832Capscrew $1/4-20 \times 5/8$ 21011185633Niedel Bearing*421716518Shiri Lever11021716491Gear 28T*4418002'Jactaining Ring11041716491Gear & Shaft*4418002'Jactaining Ring11051185635Needle Bearing*44112012':Her. Nut 1-1411061716490Gear & Shaft*471714562Drive Cone11081118273Retaining Ring*481714562Drive Cone11081118273Retaining Ring*501714561Coupling1110118807Retaining Ring*511716507Akle1111120029Expansion Plug*52									1
*361713455Bearing Retainer2961716495Spacer*371118804Retaining Ring2971185634Ball Bearing*381706782Bowed Washer1981712763Washer*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106832Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106832Capscrew 1/4-20 x 5/821011185633Oil Seal*421715546Kaob11031113527Retaining Ring*441715546Kaob1103113527Retaining Ring441180075Actianing Ring11041716491Gear 28T451714564Aciosting Nut11051185635Needle Bearing461120125Her Nut 1-1411061716480Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone1108118723Retaining Ring491104336Sq. Key 1/4 x 121091104439Ball Bearing501714561Coupling1110118807Retaining Ring511713468Vasher11111200029Expansion Plug521185295Gil Seal		1100241	Lockwasher 1/4						1
*361713435Bearing Retaining Ring2961716495Spacer*37 1118604 Retaining Ring2971185634Ball Bearing*381706782Bowed Washer1981712763Washer*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106832Capscrew 1/4-20 x 5/821011185633Oil Seal*421716518Shift Lever11021716483Input Shaft*431715546Kaob11031113527Retaining Ring441180023Retaining Ring11041716491Gear 28T451714564Aausting Nut11051185635Needle Bearing461120126Hert Nut 1-1411061716490Gear & Shaft471714572Spring Washer41071716490Splined Shaft481714561Coupling11101118723Retaining Ring501714661Coupling11101118077Retaining Ring511714564Vasher1111120029Expansion Plug521185295Gil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub1114118	*35 \I	1121507	Hex Nut $1/4-20$	2		1	1716490	Gear 19T	1
*381706782Bowed Washer1981712763Washer*391713423Pivot Ball1991185074Needle Bearing*401106876Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106832Capscrew 5/16-18 x 7/881001700012Retaining Ring*411106832Capscrew 1/4-20 x 5/821011185633Oil Seal*421715546Kaob11021716483Input Shaft*431715546Kaob11031113527Retaining Ring441180025Retaining Ring11041716491Gear 28T451714564Acousting Nut11051185635Needle Bearing461120126Her Nut 1-1411061716480Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714561Drive Cone11081118723Retaining Ring501714561Coupling11101118807Retaining Ring51173468Vasher1111120029Expansion Plug521185295Gi Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185133Bronze Bearing551185643Oi Seal11151185360<	*36	1713455	Bearing Retainer	2				Spacer	1
*38 1706782 Bowed Washer198 1712763 Washer*39 1713423 Pivot Ball199 1185074 Needle Bearing*40 1106876 Capscrew $5/16-18 \times 7/8$ 8100 1700012 Retaining Ring*41 1106832 Capscrew $1/4-20 \times 5/8$ 2101 1185633 Oil Seal*42 1716518 Shift Lever1102 1716483 Input Shaft*43 1715546 Knob1103 1113527 Retaining Ring44 1180015 Sk taining Ring1104 1716491 Gear $28T$ 45 1714564 Acjusting Nut1105 1185635 Needle Bearing46 1120125 Her, Nut 1-141106 1716492 Splined Shaft47 1714562 Drive Cone1108 1118723 Retaining Ring48 1714562 Drive Cone1108 1118723 Retaining Ring50 1714561 Coupling1110 1118807 Retaining Ring51 1713468 Vasher1111 120029 Expansion Plug52 1185295 Gi Seal1112 1707546 Washer53 1716507 Axle1113 1713412 Gear $28T$ 54 1716511 Wheel Hub1114 1185133 Bronze Bearing55 1185643 Oi Seal1115 1185360 O-Ring56	*37	1118804	Retaining Ring			97	1185634	Ball Bearing	2
*4011 06876Capscrew $5/16-18 \ge 7/8$ 81001700012Retaining Ring*411106832Capscrew $1/4-20 \ge 5/8$ 21011185633Oil Seal*421716518Shift Lever11021716483Input Shaft*431715546Kaob11031113527Retaining Ring441180025Retaining Ring11041716491Gear 28T451714564Acquisting Nut11051185635Needle Bearing461120124Hert Nut 1-1411061716492Splined Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring501714561Coupling11101118807Retaining Ring511713468Vasher1111120029Expansion Plug521185295Gil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi Seal11151185202Roll Pin 3/16 x 1-1/4561185644Broize Bearing1117118522Roll Pin 3/16 x 1-1/4571185644Broize Bearing1117118522Roll Pin 3/16 x 1-1/4581185644Broize Beari	*38	1 706782	Bowed Washer	1		98	1712763	Washer	6
*4011 06876Capscrew $5/16-18 \ge 7/8$ 81001700012Retaining Ring*411106832Capscrew $1/4-20 \ge 5/8$ 21011185633Oil Seal*421716518Shift Lever11021716483Input Shaft*431715546Kaob11031113527Retaining Ring441180025Retaining Ring11041716491Gear 28T451714564Acquisting Nut11051185635Needle Bearing461120124Hert Nut 1-1411061716492Splined Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring501714561Coupling11101118807Retaining Ring511713468Vasher1111120029Expansion Plug521185295Gil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi Seal11151185202Roll Pin 3/16 x 1-1/4561185644Broize Bearing1117118522Roll Pin 3/16 x 1-1/4571185644Broize Bearing1117118522Roll Pin 3/16 x 1-1/4581185644Broize Beari	*39	1713423	Pivot Ball	1		99	1185074	Needle Bearing	2
*411106832Capscrew $1/4-20 \ge 5/8$ 21011185633Oil Seal*421716518Shift Lever11021716483Input Shaft*431715546Koob11031113527Retaining Ring441180025Schaining Ring11041716491Gear 28T451714564Aquesting Nut11051185635Needle Bearing461120125Hert Nut 1-1411061716480Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring491104336Sq. Key $1/4 \ge 1$ 21091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher1111120029Expansion Plug521185295Gil Seal11111120029Expansion Plug531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Broze Bearing551185640Thust Race21161713419Idler Shaft561185644Thrist Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broze Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.						100			2
*42 1716518 Shift Lever1102 1716483 Input Shaft*43 1715546 Knob1 103 1113527 Retaining Ring44 1180025 Retaining Ring1 104 1716491 Gear $28T$ 45 1714564 Aclosting Nut1 105 1185635 Needle Bearing46 1120126 Here Nut 1-141 106 1716480 Gear & Shaft47 1714572 Spring Washer4 107 1716492 Splined Shaft48 1714562 Drive Cone1 108 1118723 Retaining Ring49 1104336 Sq. Key $1/4 \ge 1$ 2 109 1104439 Ball Bearing50 1714561 Coupling1 110 1118807 Retaining Ring51 1713468 Vasher1 111 1200029 Expansion Plug52 1185295 Gil Seal1 112 1707546 Washer53 1716507 Axle1 113 1713412 Gear $28T$ 54 1716511 Wheel Hub1 114 1185113 Bronze Bearing55 1185643 Oi. Seal1 115 1185360 O-Ring56 1185644 Thust Race2 116 1713419 Idler Shaft57 1185644 Broze Bearing1 117 1185232 Roll Pin $3/16 \ge 1-1/4$ 58 1185644 Broze Bearing1 116 1716477 Gear & Sh	*41	1106832	Capscrew $1/4-20 \times 5/8$	2			1185633	Oil Seal	
*431715546 3.0 11031113527Retaining Ring441180025 3.0	*49	1716518	Shift Lever						
441180025 $3.ctaining Ring$ 11041716491Gear 28T451714564 $4a_0$ usting Nut11051185635Needle Bearing461120126Her Nut 1-1411061716480Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring491104336Sq. Key 1/4 x 121091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher11111200029Expansion Plug521185295Gil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi. Seal11151185360O-Ring561185640Thrist Race21161713419Idler Shaft571185641Thrist Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broize Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector									1
451714564Aquisting Nut11051185635Needle Bearing461120126Her Nut 1-1411061716480Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring491104336Sq. Key 1/4 x 121091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher1111120029Expansion Plug521185295©il Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi Seal11151185360O-Ring561185640Thrist Race21161713419Idler Shaft571185641Thrist Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broize Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector									2
46112012£Her: Nut 1-1411061716480Gear & Shaft471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring491104336Sq. Key $1/4 \ge 1$ 21091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher11111200029Expansion Plug521185295Cil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi. Seal11151185360O-Ring561185640Thrist Race21161713419Idler Shaft571185641Thrist Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broize Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector									1
471714572Spring Washer41071716492Splined Shaft481714562Drive Cone11081118723Retaining Ring491104336Sq. Key $1/4 \ge 1$ 21091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher11111200029Expansion Plug521185295Cil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi. Seal11151185360O-Ring561185640Thust Race21161713419Idler Shaft571185641Threst Bearing11171185232Roll Pin $3/16 \ge 1-1/4$ 581185644Broze Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector									1
481714562Drive Cone11081118723Retaining Ring491104336Sq. Key $1/4 \ge 1$ 21091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher11111200029Expansion Plug521185295Cil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi Seal11151185360O-Ring561185640Thust Race21161713419Idler Shaft571185641Threst Bearing11171185232Roll Pin $3/16 \ge 1-1/4$ 581185644Broze Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector									1
491104336Sq. Key $1/4 \ge 1$ 21091104439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher11111200029Expansion Plug521185295Cil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi Seal11151185360O-Ring561185640Thust Race21161713419Idler Shaft571185641Thrst Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broze Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector							1716492	Splined Shaft	1
491104336Sq. Key $1/4 \ge 1$ 2109110439Ball Bearing501714561Coupling11101118807Retaining Ring511713468Vasher1111120029Expansion Plug521185295Cil Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi Seal11151185360O-Ring561185640Thust Race21161713419Idler Shaft571185641Thrst Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broze Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector	48					108	1118723	Retaining Ring	2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	49			2		109			1
511713468Vasher11111200029Expansion Plug521185295 $0il$ Seal11121707546Washer531716507Axle11131713412Gear 28T541716511Wheel Hub11141185113Bronze Bearing551185643Oi. Seal11151185360O-Ring561185640Thrist Race21161713419Idler Shaft571185641Thrist Bearing11171185232Roll Pin 3/16 x 1-1/4581185644Broize Bearing11181716477Gear & Shaft591716498Shim, 0125''As Req.1191713422Connector	50								1
52 1185295 Cil Seal 1 112 1707546 Washer 53 1716507 Axle 1 113 1713412 Gear 28T 54 1716511 Wheel Hub 1 114 1185113 Bronze Bearing 55 1185643 Oi. Seal 1 115 1185360 O-Ring 56 1185640 Thrist Race 2 116 1713419 Idler Shaft 57 1185641 Thrist Bearing 1 117 1185232 Roll Pin 3/16 x 1-1/4 58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector									1
53 1716507 Axle 1 113 1713412 Gear 28T 54 1716511 Wheel Hub 1 114 1185113 Bronze Bearing 55 1185643 Oi. Seal 1 115 1185360 O-Ring 56 1185640 Thust Race 2 116 1713419 Idler Shaft 57 1185641 Thrst Bearing 1 117 1185232 Roll Pin 3/16 x 1-1/4 58 1185644 Broze Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector									2
54 1716511 Weel Hub 1 114 1185113 Bronze Bearing 55 1185643 Oi. Seal 1 115 1185360 O-Ring 56 1185640 Thust Race 2 116 1713419 Idler Shaft 57 1185641 Thrst Bearing 1 117 1185232 Roll Pin 3/16 x 1-1/4 58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector		1716507	Axle						
55 1185643 Oi. Seal 1 115 1185360 O-Ring 56 1185640 Thust Race 2 116 1713419 Idler Shaft 57 1185641 Thrist Bearing 1 117 1185232 Roll Pin 3/16 x 1-1/4 58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector									
56 1185640 Thust Race 2 116 1713419 Idler Shaft 57 1185641 Thrst Bearing 1 117 1185232 Roll Pin 3/16 x 1-1/4 58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector				1					
57 1185641 Thrist Bearing 1 117 1185232 Roll Pin 3/16 x 1-1/4 58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector									1
58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector						1			1
58 1185644 Broize Bearing 1 118 1716477 Gear & Shaft 59 1716498 Shim, 0125'' As Req. 119 1713422 Connector				1					1
59 1716498 Shim, 0125'' As Req. 119 1713422 Connector				1		118			1
		1716498	Shim, 0125''	As Req.					2
		1716499	Shim 005''						_
	1							10 A A A A A A A A A A A A A A A A A A A	

*Indicates Parts Not Icluded With Gear Case Assembly Part No. 1716736.

TRACTOR ASSEMBLY MODEL 190-01





TRACTOR ASSEMBLY MODEL 190-01

No.

Req'd.

2

As Req.

1 1

ſ	Ref.	Part		No.		Ref.	Part	
· _	No.	No.	Description	Req'd.		No.	No.	Description
	1	101085	Wheel Bolt	10	1	66		Idler Pulley
	2	1715787	Wheel Only	2		67		Lock Nut 3/8-16
	3	1715856		2		68	1716615	Control Shaft
	4		Valve Stem Assy	2		69	1715538	Flanged Bushing
	5		Wheel & Tire Assy	2		70 71		Flat Washer 1/2 Flat Washer
	6 7		Transmission Assy Capscrew 3/8-16 x 1-3/4	1 10		72	1185647	
	8	1100930	Lockwasher 3/8	21		73		Shaft Support
	9		Mounting Cap	4		74	1716728	
	10		Quadrant	1		75	1716576	Idler Arm
	11	1106872	Capscrew 5/16-18 x 5/8	15		76	1716585	Coupling
	12		Flat Washer 5/16	14		77	1110818	Set Screw 5/16-18 x 3/4
	13	1110107		8		78		Bonded Coupling
	14	1715685	Grip	2 1		79 80		Drive Shaft Drive Pin 3/16 x 1-1/4
	15 16	1715680	Spring Roll Pin 3/16 x 1	1		81	1714649	
	17	1716239	Pivot (Inc. 16)	1		82		Retaining Ring
	18	1713391		1		83	1704479	Ball Bearing
	19	1716634	Control Lever	1		84		Bearing Retainer
	20	1704692		4		85		Dowel Pin
	21	1106923	Capscrew 3/8-16 x 1-1/4	6		86	121900	Bowed Washer
	22		Flat Washer 3/8	9		87		Clutch Yoke
	23 24		Hex Nut 3/8-16 Steering Support	14 1		88 89	1714665 1106927	Spacer Capscrew 3/8-16 x 1-1/2
	24 25	1713028 1715794		$\frac{1}{2}$	·	90	1714664	
	26	1716437		$\frac{1}{2}$		91		Bowed Washer
	27		Fibre Washer	2		92		Yoke Support
	28		Lever Screw	2		93	1713167	Spring
	29		Wire Wiper	2 2		94		Brake Plate Assy (Inc. 95)
1	30	1715572	Wire Housing Only	2		95	1716599	Friction Disc Only
	31	1715573	Wire Only	2		96 97	1716596 1716583	Clutch Flange
	32 33	1716438 1715720	Cover Control Assy (25 thru 32)	2 2		97 98		Thrust Race
	33 34	1100135	Mach. Screw $10-24 \times 1$	4		99		Pulley Assy (Inc. 95)
	35		Rear Fender	1		100		Brake Bracket - L.H.
	36		Flat Washer	4		101	1100346	Cotter Pin 3/32 x 3/4
	37	1715467		2		102		Clutch Stop
	38		Flat Washer	2		103		Capscrew 5/16-18 x 1
	39		Mach. Screw $1/4-20 \ge 1$	2		104		Brake Bracket - R. H.
	40	1121507	Hex Nut 1/4-20 Lockwasher 1/4	8 8		$\frac{105}{106}$		Bushing Clutch Flange
	$\begin{array}{c} 41 \\ 42 \end{array}$		Flat Washer 1/4	5		100		Bearing Support
	43	1716669		1		108	1185588	Bearing Flange
	44	1111265	Carr. Bolt 5/16-18 x 3/4	3		109		Self Aligning Bearing
	45		Lockwasher 5/16	26		110	1185023	, o
	46	1182563	Hex Nut 5/16-18	15		111		Lockwasher 9/16
	47	1716657		1		112		Hex Nut 9/16-18
	48	1716232		1		113		Foot Rest
	49	1716233		1		$\begin{array}{c} 114 \\ 115 \end{array}$	1713472	-
	50 51	1185622 1712906		1		116	1106940 1713397	
	52		Woodruff Key $1/4 \ge 7/8$	1		117	1185284	
	53		Steering Shaft	1		118	1708012	
	54		Moulding Strip	1		119	1713811	
	55	1185599	Screw	2		120	1713809	
	56	1185600		2		121	1705092	
	57		Hood & Grill	1		122	1713361	
	58		Heat Shield	1 2		123 124	1110152	Lock Nut 1/2-20 Jam Nut 1/2-20
	59 60		Roll Pin 5/16 x 1-1/4 Rear Panel			124	1714547	
	61		Ignition Switch (Inc. 62)			126	1716082	
	62		Key Only	1		127	1104954	
	63	1714642	Brace	2		128	1713480	Axle
	64		Mach. Screw $1/4-20 \ge 5/8$	2		129	1716081	Spindle - L. H.
	65	1185456	Tinnerman Nut	2		130	1713377	Steering Lever L.H.

(CONT ON PAGE 7)

TRACTOR ASSEMBLY MODEL 190-01 (CONT)

	r				r			
	Ref.	Part		No.		Ref.	Part	
	No.	No.	Description	Req'd.		No.	No.	Description
1	131	1201606	Drive Pin 5/16 x 1-1/2	2		192	1716623	Clamp Rod
	$131 \\ 132$			1		192		Battery Clamp
	133			1		193		Battery Carrier
	134			2		195		Grip
	135		Valve Stem Assy	$\frac{2}{2}$		196	1714644	
	136	1.10000	Wheel Only	$\frac{1}{2}$		197	1714233	
	137		Tubeless Tire 6:50 x 8	$\frac{1}{2}$		198	1713075	
	138		Ball Bearing	$\overline{2}$		199		Lift Lever
	139		Wheel & Tire Assy	_		200	1714645	
		1110100	(134 thru 138)	2		201		Spring Cotter
	140	121 898	Washer	6		202		Tool Lift
	141		Set Collar	2		203		Steering Arm
	142		Set Screw $1/4-20 \ge 1$	2		204	1714840	Cross Shaft
	143	1715899	Dust Cover	2		205		Cotter pin 1/8 x 1
	144	1713383	Axle Pivot	1		206		Sleeve Bearing
	145	1185232	Roll Pin 3/16 x 1-1/4	2		207		Mounting Plate
	146	1713482	Axle Support	1		208		Expansion Plug
	147			4		209		Frame Tube - R.H.
	148		Ball Bearing	1		21 0		Frame Tube - L.H.
	149		Retaining Ring	1		211		Ammeter
	150		Support Housing	1		212		Wire (Switch to Ammeter)
		1185010		1		213		Starter Switch
		1185224	Oil Seal	1		214		Voltage Regulator
		1716647	Belt Guide	1		215		Capscrew 1/4-20 x 1/2
		1106880		2		216		Generator Support
	155			1		217		Generator Belt 31 31/32"
		1716594		1		218		Adjusting Strap
	157	1716570	Belt - $42-1/2''$ (Matched	-		219	1106876	Capscrew 5/16-18 x 7/8
	1 - 0	1 - 1 1 1 0 0	Set of 2)	1		220	1708293	
	158		Rubber Tip	2		221		Starter - Generator
	159	1716571	Belt - 34'' (Matched set	1		222 223	1716660	Wiring Assy Capscrew 1/4-20 x 3/4
1	100	1719904	of 2)	1		223 224		Mach. Screw $5/16-18 \ge 1/2$
ĥ	160		Plate	4		224 225		Speed Nut $5/16-18$
1	161	1106946 1714648	Capscrew 3/8-16 x 3-3/4	4		226	1106921	Capscrew 3/8-16 x 1-1/8
			Spacer Clamp	1		$220 \\ 227$		Lockwasher #10
	16,3 164	1114755	Mach. Screw $10-32 \ge 5/8$	1		228		Capscrew $3/8-16 \ge 2-3/4$
	164	1714721	Spacer	1		229		Capscrew $5/16-18 \times 3/4$
	166	1716679	Bracket	ī		230		Capscrew $1/2-13 \ge 2$
		1106852	Capscrew $1/4-20 \ge 2$	ī		231		Jam Nut 1/2-13
		1716592	Engine Pulley	1		232	1185584	
ļ		1103470		2		233		Bowed Washer
	170	11.87474	Sq. Key 1/4 x 2-1/4	1		234		Jam Nut 3/8-16
	*171		Engine	1		235		Bowed Washer
	172	171,5642		1		236	1714663	Pivot Block
	173	1106:936	Capscrew 3/8-16 x 2-1/2	2		237	1715546	
	174	1703896	Tank Outlet	1		23 8		Roll Pin 1/8 x 3/4
	175	1714637	Tank Strap	1		239		Brake Rod
	176	11144'74	Fil. Screw 1/4-20 x 1-1/2	2		240	1713772	
	177	1106832	Capscrew 1/4-20 x 5/8	1		241		Clevis Pin
	178	1714767	Gas Tank (Inc. 179)	1		242		Lock Nut $1/2-20$
	179	1714766	Cap Only	1		243		Clutch Rod
	180	1714685	Tank Strap	1		244	1714655	
	181	1714641	Bracket	1		245	1716716	Bracket
	182		Capscrew - H. T.	3		246		Sleeve Bearing
	183		Rod	1		247		Clutch Pedal
	184	1713791	Spring	1		248	1716724	
	185	1713808		1		249		Brake Rod
	186	1705810	Clevis Pin	1		250		Brake Stop
	187	1100349		1		251		Brake Rod
		1716635	Leal Assy.	1		252	1713777	Lining Only
	189		Battery	1		253	1185570	Rivet
	190	1716636	Lead Assy (Ground)	1		254	1713780	Brake Shoe Assy
	191	1110024	Wing Nut 3/8-16	2				(Incl 252 & 253)
			L		1		L	

*Engine Parts Must Be Obtained Through Manufacturer's Authorized Service Stations.

No.

Req'd.

2

 $\mathbf{2}$

3

2 2