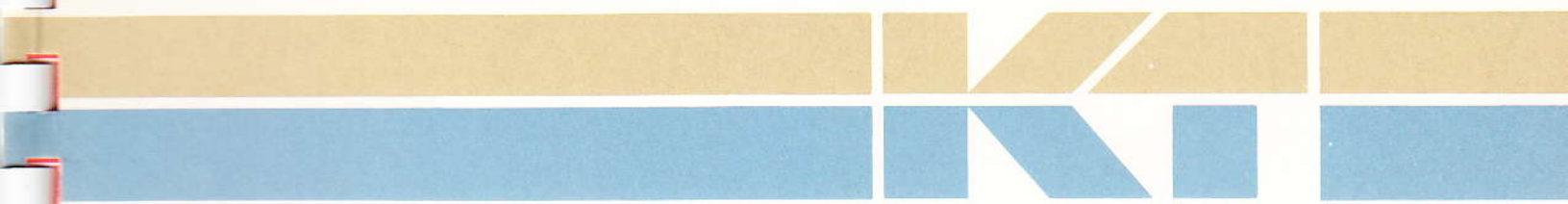


REPLACEMENT PARTS MANUAL

PUB 258A-751 (ATR-69A) AUG 1977

MILLING and SLOTTING HEAD

ATTACHMENTS and ACCESSORIES



Kearney & Trecker Corporation

REPLACEMENT PARTS MANUAL

PUB 258A-751 (ATR-69A) AUG 1977

MILLING and SLOTTING HEAD

ATTACHMENTS and ACCESSORIES

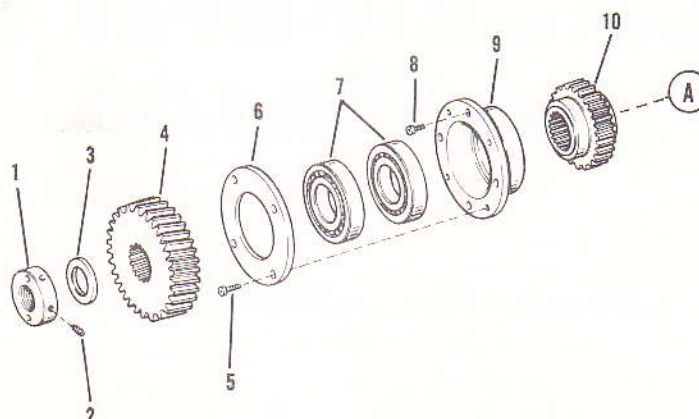
PATENT NOTICE: The novel features of the Kearney & Trecker—Milwaukee Machine Tools and Attachments illustrated and described herein are protected by issued and pending United States and Foreign Patents. The manufacturer reserves the right to improve, change, or modify the construction of these machine tools or attachments or any part thereof as he may see fit, without incurring any obligations to make like changes on KEARNEY & TRECKER CORPORATION—MILWAUKEE Machine Tools or attachments previously sold.

Kearney & Trecker Corporation



11000 THEODORE TRECKER WAY MILWAUKEE, WI USA 53214
TELEPHONE 414-476-8300
TELEX 026-663 CABLE TRECKERMIL

How to Identify and Order Replacement Parts



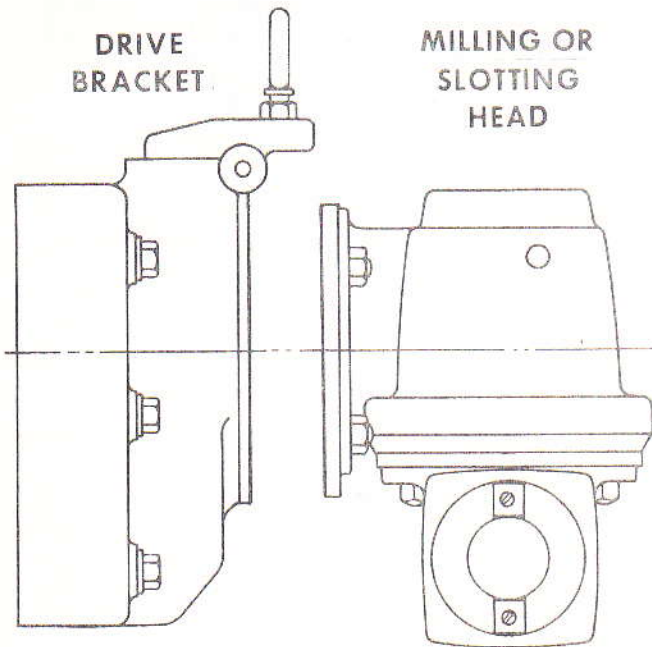
1. Refer to the Visual Index, illustrated in subsequent pages, to locate the exploded view which contains the desired part.
2. Locate the desired part and its item number in the exploded view. For convenience and clearness in showing parts on some large units, it was necessary to remove them from the proper location in relation to the main casting. Such assemblies are indicated by a letter in a circle, A, B, C, etc. A brief study of the exploded view will show where such sub-assemblies properly belong.
3. Find the corresponding item number in the parts list on the facing page, to determine the part name, description, code number and quantity.
4. Send the part name, description, code number, quantity and the SERIAL NUMBER OF THE MACHINE to:

PARTS DEPARTMENT
KEARNEY & TRECKER CORPORATION
 11000 THEODORE TRECKER WAY
 MILWAUKEE, WISCONSIN, U.S.A. 53214

5. For service by telephone: **call 414-476-8300**
 and give the information in paragraph 4 above.
6. There are many **standard commercial articles** such as screws, bolts, pipes, fittings and similar items which may be in your stock room, or can be purchased from your local hardware store. Orders for such parts will be supplied upon request but it is recommended that they be purchased locally whenever possible.
7. **FASTER DELIVERY** can be obtained by ordering **electrical repair parts** directly from the manufacturer or nearest distributor, because many of these parts are not stocked by Kearney & Trecker Corp.

NOTE — This manual is not intended for use in assembly or disassembly purposes. It is to be used for part identification only.

How to use Page Index



KEARNEY & TRECKER MILLING ATTACHMENTS ARE MADE UP OF TWO UNITS - THE DRIVE BRACKET AND THE MILLING OR SLOTTING HEAD.

TO DETERMINE THE COMBINATION OF DRIVE BRACKET AND HEAD USED ON A PARTICULAR MACHINE REFER TO THE PAGE INDEX BELOW AND ON PAGE 4.

MACHINE MODELS ARE LISTED IN THE FIRST VERTICAL COLUMN, AND THE ATTACHMENT AND DRIVE BRACKET ACROSS THE TOP OF THE INDEX. FOR EXAMPLE: FOR 2H MACHINE, SERIES 5782 UNIVERSAL HEAD IS SHOWN ON PAGES 12-13 AND ITS DRIVE BRACKET ON PAGES 18-19.

PARKING UNIT PAGE NUMBERS ARE FOUND IN THE RIGHT HAND COLUMNS OF THE PAGE INDEX.

PAGE INDEX

MACHINE MODEL	SERIES 5782*					SERIES 5796			SERIES 5111		SERIES 5770	SERIES 4034	SERIES 5282	SERIES 7055	MANUAL PARKING UNITS										
	FIXED SPDL VERTICAL	ADJ SPINDLE VERTICAL	FIXED SPDL UNIVERSAL	ADJ SPINDLE UNIVERSAL	DRIVE BRACKET	HIGH SPEED FIXED SPDL UNIVERSAL	HIGH SPEED ADJ SPINDLE UNIVERSAL	DRIVE BRKT UNIT	HEAVY DUTY UNIVERSAL	DRIVE BRKT UNIT	SLOTTING HD & DRIVE BRKT	SLOTTING HD & DRIVE BRKT	POWER PARK UNIT	POWER PARK UNIT	SERIES 4560	SERIES 4040	SERIES 4003	SERIES 5008	SERIES 5009	SERIES 5749	SERIES 4004	SERIES 4710	SERIES 4005	SERIES 4111	SERIES 5074
1E 2E 2CE	A 8-9	B 10-11	C 12-13	D 14-15	E 16-17	S 40-41	T 42-43	U 44-45	—	—	AD 62-63	AG 68-69	—	—	AL 76	—	—	—	—	—	—	—	—	—	—
2CE-CVA	A 8-9	B 10-11	C 12-13	D 14-15	E 16-17	S 40-41	T 42-43	V 46-47	—	—	AD 62-63	AG 68-69	—	—	AL 76	—	—	—	—	—	—	—	—	—	—
1H 2HL	A 8-9	B 10-11	C 12-13	D 14-15	E 16-17	S 40-41	T 42-43	U 44-45	—	—	AD 62-63	AG 68-69	—	—	AL 77	—	—	—	—	—	—	—	—	—	—
1CH 103CH 2CHL 203CH 12"1H 18"1H 18AC 18CH 103CHP 24AC 24CH 203CHP	A 8-9	B 10-11	C 12-13	D 14-15	E 16-17	S 40-41	T 42-43	U 44-45	—	—	AD 62-63	AG 68-69	—	—	—	—	—	AM 79	—	—	—	—	—	—	—
2H 18"2H 24"2H	A 8-9	B 10-11	C 12-13	D 14-15	F 18-19	S 40-41	T 42-43	W 48-49	—	—	AD 62-63	AG 68-69	—	—	—	AN 78	—	—	—	—	—	—	—	—	—
2CH 205CH	A 8-9	B 10-11	C 12-13	D 14-15	F 18-19	S 40-41	T 42-43	W 48-49	—	—	AD 62-63	AG 68-69	—	—	—	—	—	—	AQ 80	—	—	—	—	—	—
2055A	A 8-9	B 10-11	C 12-13	D 14-15	F 18-19	S 40-41	T 42-43	W 48-49	—	—	AD 62-63	AG 68-69	—	—	—	—	—	—	—	AR 81	—	—	—	—	—
S-12	A 8-9	B 10-11	C 12-13	D 14-15	F 18-19	S 40-41	T 42-43	Y 52-53	—	—	AF 66-67	—	—	—	—	—	—	—	—	AR 81	—	—	—	—	—

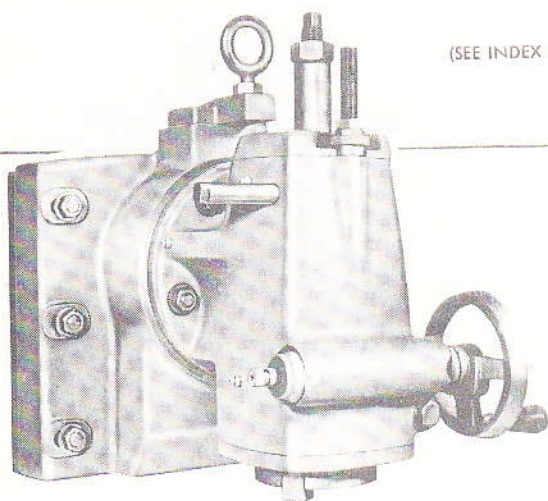
*SERIES 5782 SWIVEL BASE FOR RAM MACHINES PAGES 20-21

PAGE INDEX (continued)

MACHINE MODEL	SERIES 5812					SERIES 5796			SERIES 5111		SERIES 5770	SERIES 4033	SERIES 5282	SERIES 7055	MANUAL PARKING UNITS										
	FIXED SPDL VERTICAL	ADJ SPINDLE VERTICAL	FIXED SPDL UNIVERSAL	ADJ SPINDLE UNIVERSAL	DRIVE BRACKET	HIGH SPEED FIXED SPDL UNIVERSAL	HIGH SPEED ADJ SPINDLE UNIVERSAL	DRIVE BRKT UNIT	HEAVY DUTY UNIVERSAL	DRIVE BRKT UNIT	SLOTING HD & DRIVE BRKT	SLOTING HD & DRIVE BRKT	POWER PARK UNIT	POWER PARK UNIT	SERIES 4560	SERIES 4040	SERIES 4003	SERIES 5008	SERIES 5009	SERIES 5749	SERIES 4004	SERIES 4710	SERIES 4005	SERIES 4111	SERIES 5074
2K 2KM 3H	H 22-23	J 24-25	K 26-27	LM 28-31	N 32-33	S 40-41	T 42-43	X 50-51	Z 54-55	AA 56-57	AE 64-65	AH 70-71	—	—	—	—	—	—	—	—	AS 82	—	—	—	—
3CE	H 22-23	J 24-25	K 26-27	LM 28-31	N 32-33	S 40-41	T 42-43	X 50-51	Z 54-55	AA 56-57	AE 64-65	AH 70-71	—	—	—	—	—	—	—	—	—	AT 83	—	—	—
2CSM(20) 3CSM(20) 2CK 210CH 210CH-14 3CH 310CH 310CH-14	H 22-23	J 24-25	K 26-27	LM 28-31	N 32-33	S 40-41	T 42-43	X 50-51	Z 54-55	AA 56-57	AE 64-65	AH 70-71	—	—	—	—	—	—	—	—	AS 82	—	—	—	—
210TF 220TF 310TF 320TF 215TF-16 220TF-16 315TF-16 320TF-16	H 22-23	J 24-25	K 26-27	LM 28-31	N 32-33	S 40-41	T 42-43	X 50-51	Z 54-55	AA 56-57	AE 64-65	AH 70-71	AJ 72-73	—	—	—	—	—	—	—	AS 82	—	—	—	—
S-15	H 22-23	J 24-25	K 26-27	LM 28-31	R 38-39	S 40-41	T 42-43	Y 52-53	—	—	AF 66-67	AK —	—	AR 74-75	—	—	—	—	—	—	AR 81	—	—	—	—
3K 3KM 4H 3CSM(30) 4CSM(30) 3CK 315CH 315CH-16 4CH 415CH 415CH-16	H 22-23	J 24-25	K 26-27	LM 28-31	P 34-35	S 40-41	T 42-43	X 50-51	Z 54-55	AB 58-59	AE 64-65	AH 70-71	—	—	—	—	—	—	—	—	—	AU 84	—	—	—
315TF 330TF 415TF 430TF 320TF-17 330TF-17 420TF-17 430TF-17	H 22-23	J 24-25	K 26-27	LM 28-31	P 34-35	S 40-41	T 42-43	X 50-51	Z 54-55	AB 58-59	AE 64-65	AH 70-71	AJ 72-73	—	—	—	—	—	—	—	—	AU 84	—	—	—
4K 5H 5HM	H 22-23	J 24-25	K 26-27	LM 28-31	Q 36-37	S 40-41	T 42-43	X 50-51	Z 54-55	AC 60-61	AE 64-65	AH 70-71	—	—	—	—	—	—	—	—	—	—	AV 85	—	—
4CSM(50) 5CSM(50) 6CSM(50) 4CK 5CK 6CK	H 22-23	J 24-25	K 26-27	LM 28-31	Q 36-37	S 40-41	T 42-43	X 50-51	Z 54-55	AC 60-61	AE 64-65	AH 70-71	—	—	—	—	—	—	—	—	—	—	—	AN 86	—
425TF 450TF 525TF 550TF 625TF 650TF 430TF-20 450TF-20 530TF-20 550TF-20 630TF-20 650TF-20	H 22-23	J 24-25	K 26-27	LM 28-31	Q 36-37	S 40-41	T 42-43	X 50-51	Z 54-55	AC 60-61	AE 64-65	AH 70-71	AJ 72-73	—	—	—	—	—	—	—	—	—	—	—	AW 86

VISUAL INDEX

(SEE INDEX ON PAGES 3 AND 4 FOR SPECIFIC MACHINE MODEL.)



SERIES 5782

FIXED SPINDLE VERTICAL MILLING HEAD
PAGES 8 AND 9

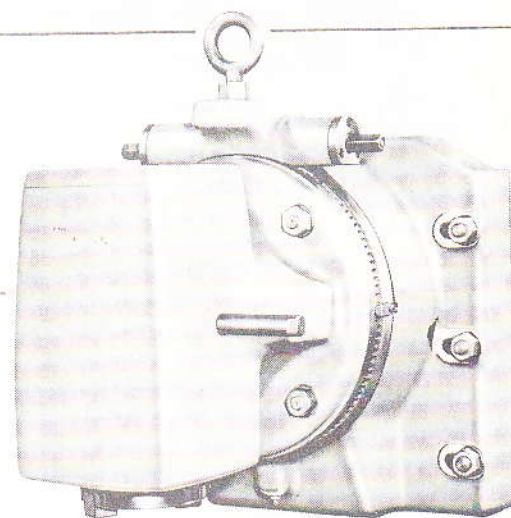
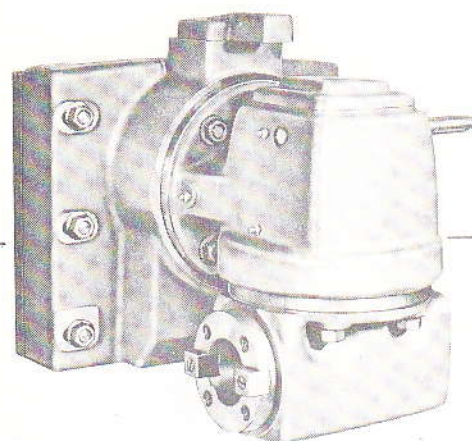
ADJUSTABLE SPINDLE VERTICAL MILLING HEAD
PAGES 10 AND 11

FOR PROPER DRIVE BRACKET SEE INDEX ON
PAGES 3 AND 4

RAM MACHINE SWIVEL BASE • PAGES 20 AND 21

FIXED SPINDLE UNIVERSAL MILLING HEAD
PAGES 12 AND 13

ADJUSTABLE SPINDLE UNIVERSAL MILLING
HEAD • PAGES 14 AND 15



SERIES 5812

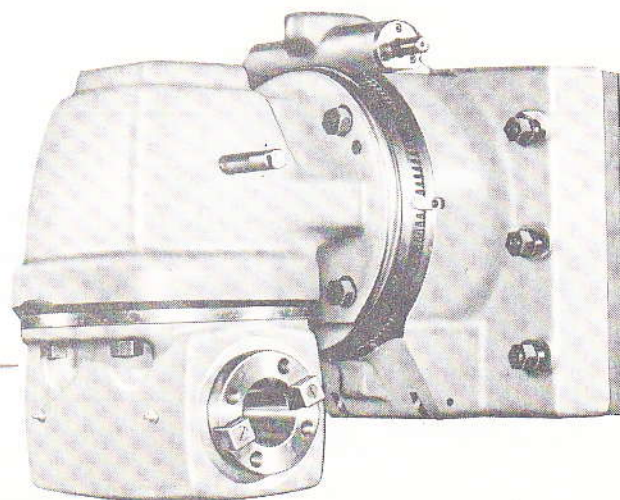
HEAVY DUTY FIXED SPINDLE VERTICAL MILLING
HEAD • PAGES 22 AND 23

HEAVY DUTY ADJUSTABLE SPINDLE VERTICAL
MILLING HEAD • PAGES 24 AND 25

FOR PROPER DRIVE BRACKET SEE INDEX ON
PAGES 3 AND 4

HEAVY DUTY FIXED SPINDLE UNIVERSAL MILLING
HEAD • PAGES 26 AND 27

HEAVY DUTY ADJUSTABLE SPINDLE UNIVERSAL
MILLING HEAD • PAGES 28 THRU 31



VISUAL INDEX (continued)

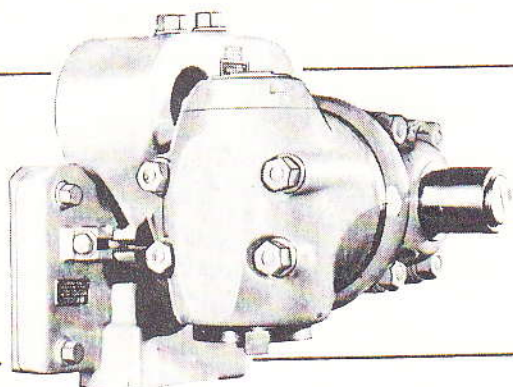
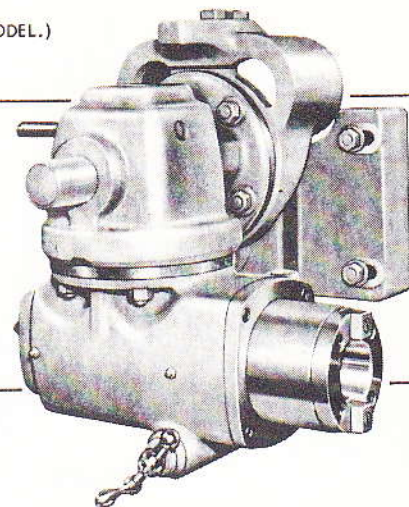
(SEE INDEX ON PAGES 3 AND 4 FOR SPECIFIC MACHINE MODEL.)

HIGH SPEED FIXED SPINDLE UNIVERSAL MILLING HEAD • PAGES 40-41

HIGH SPEED ADJUSTABLE SPINDLE UNIVERSAL MILLING HEAD • PAGES 42-43

FOR PROPER DRIVE BRACKET SEE INDEX ON PAGES 3 AND 4

**SERIES
5796**



**SERIES
5111**

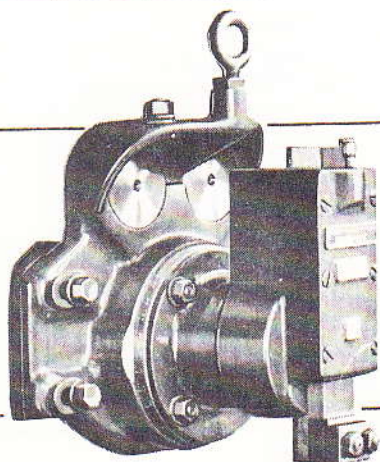
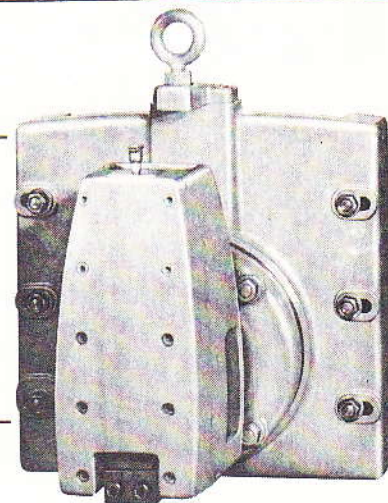
HEAVY DUTY HIGH SPEED UNIVERSAL MILLING HEAD • PAGES 54-55

FOR PROPER DRIVE BRACKET SEE INDEX ON PAGES 3 AND 4

5770 SLOTTING HEAD SHOWN ON PAGES 62-63, 64-65, 66-67

FOR PROPER DRIVE BRACKET SEE INDEX ON PAGES 3 AND 4

**SERIES
5770**



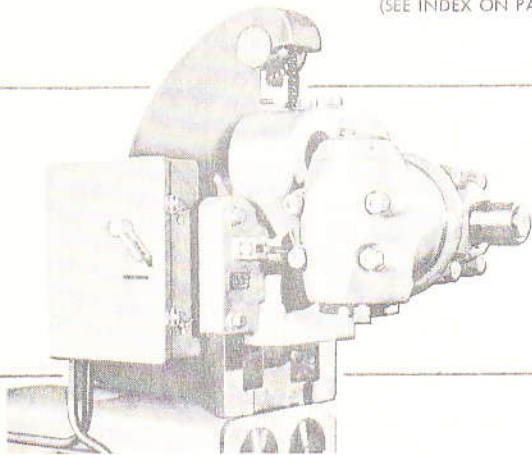
**SERIES
4034 &
4033**

4034 SLOTTING HEAD • PAGES 68-69
4033 SLOTTING HEAD • PAGES 70-71

4034 DRIVE BRACKETS • PAGES 68-69
4033 DRIVE BRACKETS • PAGES 70-71

VISUAL INDEX (continued)

(SEE INDEX ON PAGES 3 AND 4 FOR SPECIFIC MACHINE MODEL.)

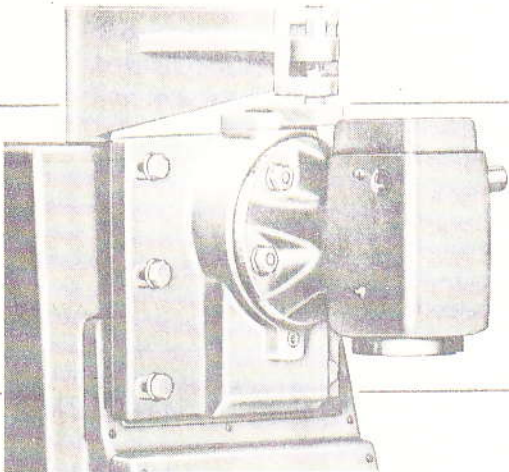
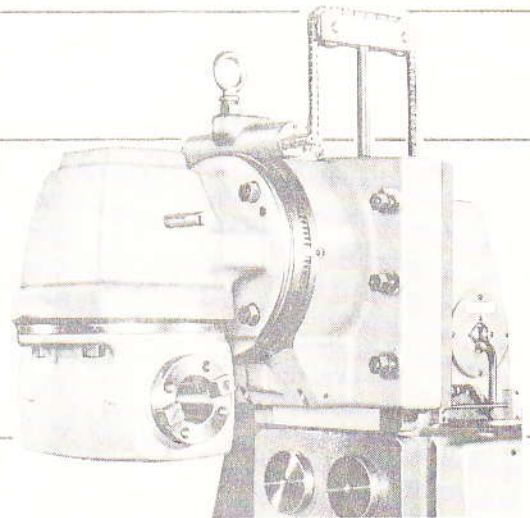


**SERIES
5282**

POWER PARKING UNIT FOR
TF MACHINES • PAGES 72-73

POWER PARKING UNIT FOR
S-15 ONLY • PAGES 74-75

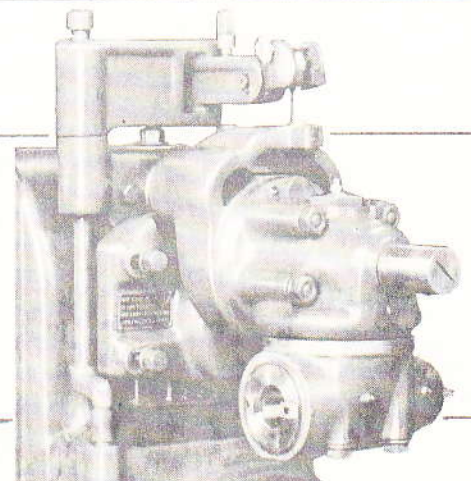
**SERIES
7055**



**SERIES
5749**

PARKING UNIT FOR 205SA,
S-12, S-15 • PAGE 81

**SERIES 4560, 4040, 4003, 5008, 5009,
4004, 4710, 4005, 4111, 5074**
CRANE AND PARKING UNIT (TYPICAL UNIT
SHOWN) • SEE INDEX ON PAGES 3 AND 4



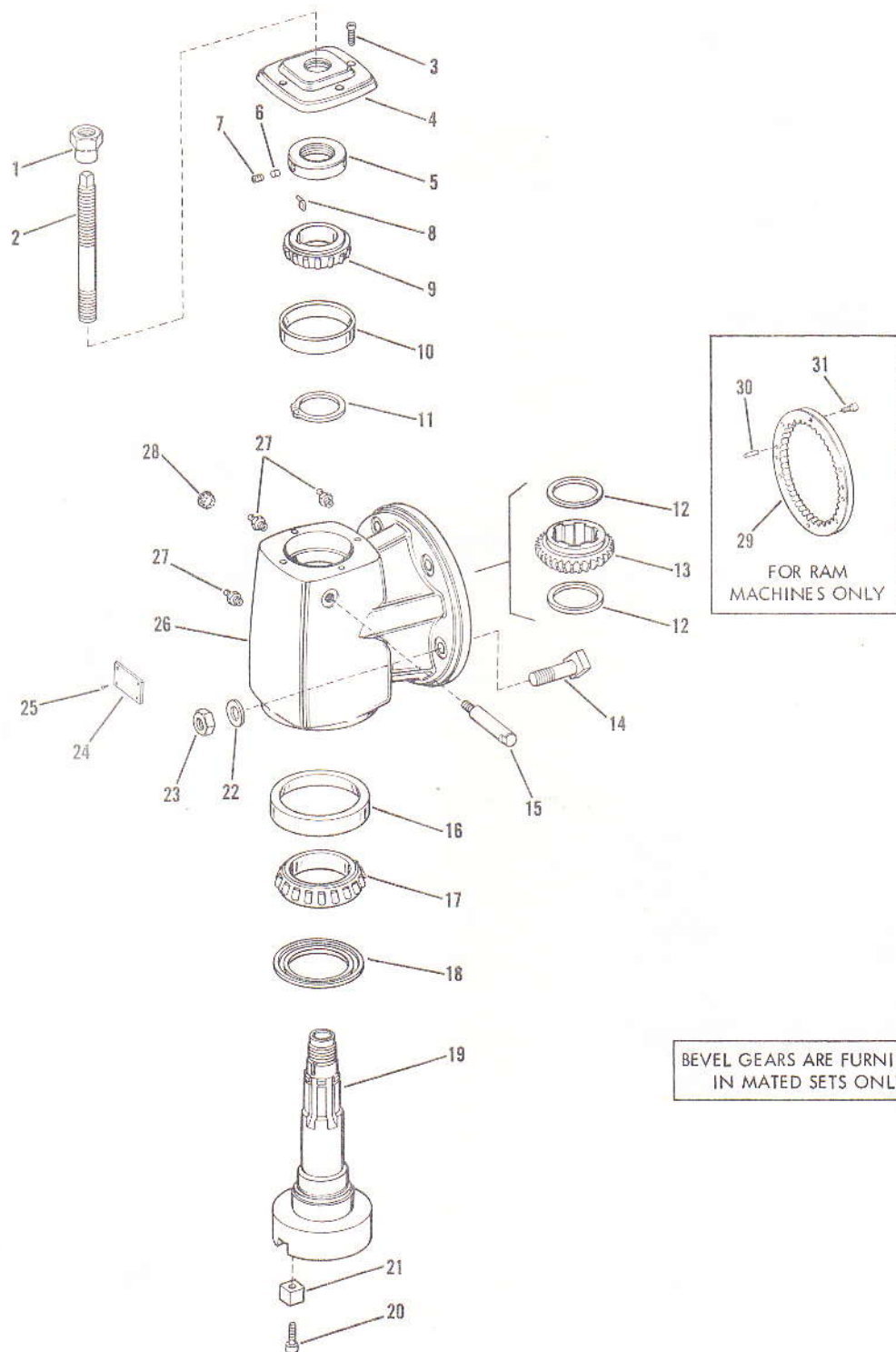


Fig. A Series 5782 - Fixed Spindle Vertical Milling Head

Fig. A Series 5782 - Fixed Spindle Vertical Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.			
Item No.	Part Name	Code No.	Qty.
1	Draw Bolt Nut	AT-A1	1
2	Draw in Bolt	AT-A2	1
3	Screw	AT-A3	4
4	Cover	AT-A4	1
5	Collar Nut	AT-A5	1
6	Collar Nut Shoe	AT-A6	2
7	Setscrew	AT-A7	2
8	Bearing Key	AT-A8	1
9	Tapered Roller Bearing Cone	AT-A9	1
10	Tapered Roller Bearing Cup	AT-A10	1
11	Retaining Ring	AT-A11	1
12	Fitting Washer	AT-A12	2
13	Spiral Bevel Gear	AT-A13	1
14	T Bolt	AT-A14	5
15	Coolant Distributor Stud .	AT-A15	1
16	Tapered Roller Bearing Cup	AT-A16	1
17	Tapered Roller Bearing Cone	AT-A17	1
18	Grease Slinger	AT-A18	1
19	Spindle	AT-A19	1
20	Screw	AT-A20	2
21	Spindle Drive Key	AT-A21	2
22	Washer	AT-A22	5
23	Nut	AT-A23	5
24	Instruction Plate	AT-A24	1
25	Drive Screw	AT-A25	4
26	Swivel Head	AT-A26	1
27	Grease Fitting	AT-A27	3
28	Dot Plug	AT-A28	1
29	Internal Gear	AT-A29	1
30	Dowel	AT-A30	2
31	Screw	AT-A31	6

Items 29, 30, 31 for ram machines only.

ATTACHMENTS

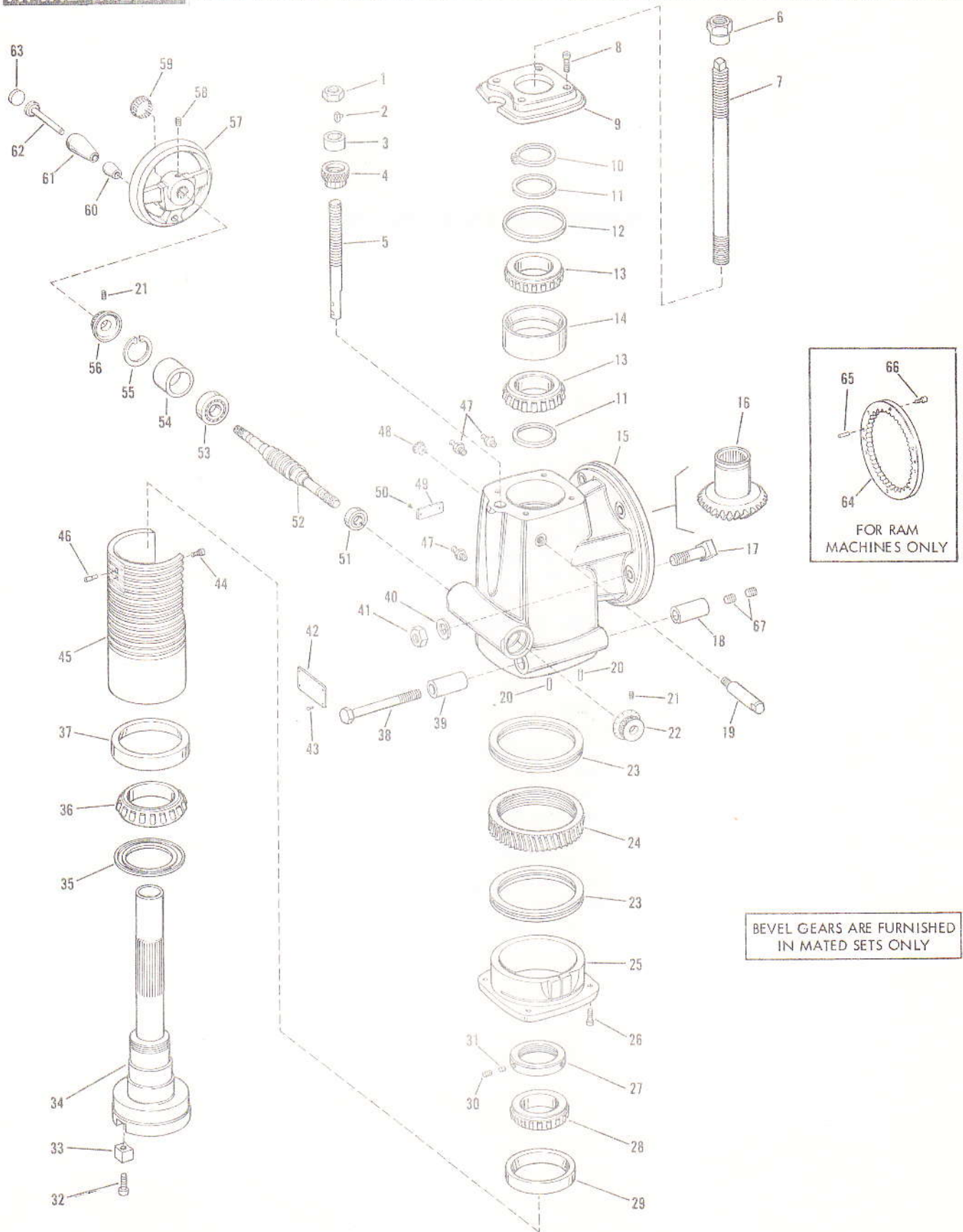


Fig. B Series 5782 - Adjustable Spindle Vertical Milling Head

Fig. B Series 5782 - Adjustable Spindle Vertical Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.				Order by Your MACHINE SERIAL No. and This CODE No.			
Item No.	Part Name	Code No.	Qty.	Item No.	Part Name	Code No.	Qty.
1	Jam Nut	AT-B1	1	35	Grease Slinger	AT-B35	1
2	Key	AT-B2	1	36	Tapered Roller Bearing Cone	AT-B36	1
3	Graduated Collar Spacer	AT-B3	1	37	Tapered Roller Bearing Cup	AT-B37	1
4	Graduated Collar	AT-B4	1	38	Quill Clamp Screw	AT-B38	1
5	Stop Rod	AT-B5	1	39	Quill Clamp Sleeve	AT-B39	1
6	Draw Bolt Nut	AT-B6	1	40	Washer	AT-B40	5
7	Draw in Bolt	AT-B7	1	41	Nut	AT-B41	5
8	Screw	AT-B8	4	42	Grease Instruction Plate	AT-B42	1
9	Cover	AT-B9	1	43	Drive Screw	AT-B43	4
10	Retaining Ring	AT-B10	1	44	Screw	AT-B44	1
11	Fitting Washer	AT-B11	2	45	Quill	AT-B45	1
12	Fitting Washer	AT-B12	1	46	Pin	AT-B46	1
13	Tapered Roller Bearing Cone	AT-B13	2	47	Grease Fitting	AT-B47	3
14	Tapered Roller Bearing Cup	AT-B14	1	48	Dot Plug	AT-B48	1
15	Vertical Quill Head	AT-B15	1	49	Instruction Plate	AT-B49	1
16	Spiral Bevel Gear	AT-B16	1	50	Escutcheon Pin	AT-B50	2
17	T Bolt	AT-B17	5	51	Ball Bearing	AT-B51	1
18	Quill Clamp Nut	AT-B18	1	52	Worm	AT-B52	1
19	Coolant Distributor Stud	AT-B19	1	53	Ball Bearing	AT-B53	1
20	Pin	AT-B20	2	54	Spacer	AT-B54	1
21	Setscrew	AT-B21	2	55	Retaining Ring	AT-B55	1
22	Quill Dial, L.H.	AT-B22	1	56	Quill Dial, R.H.	AT-B56	1
23	Quill Bearing	AT-B23	2	57	Handwheel	AT-B57	1
24	Worm Gear	AT-B24	1	58	Setscrew	AT-B58	1
25	Quill Clamp	AT-B25	1	59	Dot Plug	AT-B59	1
26	Screw	AT-B26	4	60	Hilt Ring	AT-B60	1
27	Collar Nut	AT-B27	1	61	Knob	AT-B61	1
28	Tapered Roller Bearing Cone	AT-B28	1	62	Knob Shaft	AT-B62	1
29	Tapered Roller Bearing Cup	AT-B29	1	63	Knob Plug	AT-B63	1
30	Setscrew	AT-B30	2	64	Internal Gear	AT-B64	1
31	Collar Nut Shoe	AT-B31	2	65	Dowel	AT-B65	2
32	Screw	AT-B32	2	66	Screw	AT-B66	6
33	Spindle Drive Key	AT-B33	2	67	Setscrew	AT-B67	2
34	Spindle	AT-B34	1				

Items 64, 65, 66 for ram machines only.

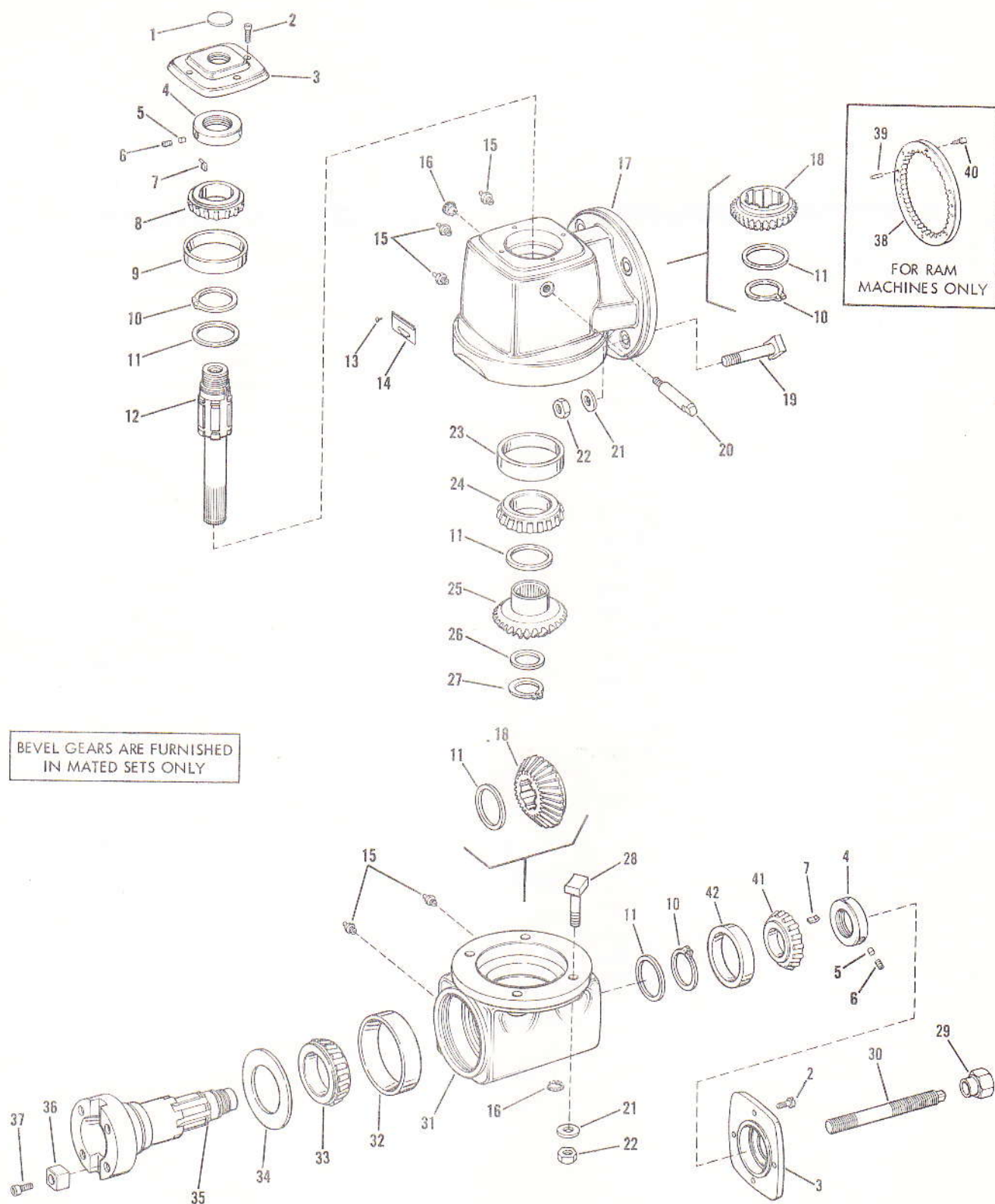


Fig. C Series 5782 - Fixed Spindle Universal Milling Head

Fig. C Series 5782 - Fixed Spindle Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Expansion Plug	AT-C1	1
2	Screw	AT-C2	8
3	Cover	AT-C3	2
4	Collar Nut	AT-C4	2
5	Collar Nut Shoe	AT-C5	4
6	Setscrew	AT-C6	4
7	Bearing Key	AT-C7	2
8	Tapered Roller Bearing Cone	AT-C8	1
9	Tapered Roller Bearing Cup	AT-C9	1
10	Retaining Ring	AT-C10	3
11	Fitting Washer	AT-C11	5
12	Spiral Bevel Gear Shaft .	AT-C12	1
13	Drive Screw	AT-C13	4
14	Instruction Plate	AT-C14	1
15	Grease Fitting	AT-C15	5
16	Dot Plug	AT-C16	2
17	Universal Swivel	AT-C17	1
18	Spiral Bevel Gear	AT-C18	2
19	T Bolt	AT-C19	4
20	Coolant Distributor Stud .	AT-C20	1
21	Washer	AT-C21	8
22	Nut	AT-C22	8
23	Tapered Roller Bearing Cup	AT-C23	1
24	Tapered Roller Bearing Cone	AT-C24	1
25	Spiral Bevel Gear	AT-C25	1
26	Fitting Washer	AT-C26	1
27	Retaining Ring	AT-C27	1
28	T Bolt	AT-C28	4
29	Draw Bolt Nut	AT-C29	1
30	Draw in Bolt	AT-C30	1
31	Spindle Head	AT-C31	1
32	Tapered Roller Bearing Cup	AT-C32	1
33	Tapered Roller Bearing Cone	AT-C33	1
34	Grease Slinger	AT-C34	1
35	Spindle	AT-C35	1
36	Spindle Drive Key	AT-C36	2
37	Screw	AT-C37	2
38	Internal Gear	AT-C38	1
39	Dowel	AT-C39	2
40	Screw	AT-C40	6
41	Tapered Roller Bearing Cone	AT-C41	1
42	Tapered Roller Bearing Cup	AT-C42	1

Items 38, 39, 40 for ram machines only.

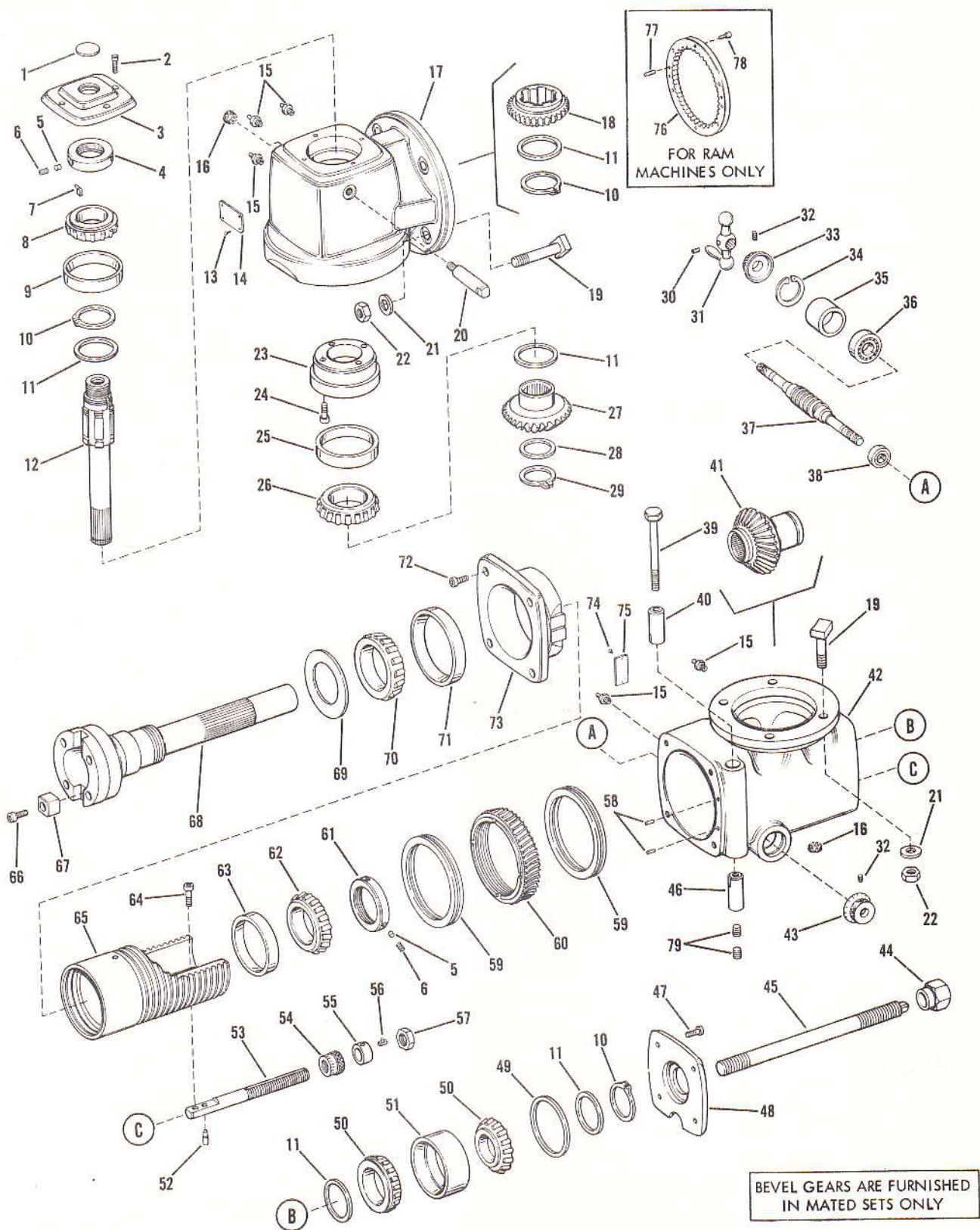


Fig. D Series 5782 - Adjustable Spindle Universal Milling Head

Fig. D Series 5782 - Adjustable Spindle Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Plug	AT-D1	1
2	Screw	AT-D2	4
3	Cover	AT-D3	1
4	Collar Nut	AT-D4	1
5	Collar Nut Shoe	AT-D5	4
6	Setscrew	AT-D6	4
7	Bearing Key	AT-D7	1
8	Tapered Roller Bearing Cone	AT-D8	1
9	Tapered Roller Bearing Cup	AT-D9	1
10	Retaining Ring	AT-D10	3
11	Fitting Washer	AT-D11	5
12	Spiral Bevel Gear Shaft	AT-D12	1
13	Drive Screw	AT-D13	4
14	Grease Instruction Plate	AT-D14	1
15	Grease Fitting	AT-D15	5
16	Dot Plug	AT-D16	2
17	Universal Swivel	AT-D17	1
18	Spiral Bevel Gear	AT-D18	1
19	T Bolt	AT-D19	8
20	Coolant Distributor Stud	AT-D20	1
21	Washer	AT-D21	8
22	Nut	AT-D22	8
23	Bearing Carrier	AT-D23	1
24	Screw	AT-D24	4
25	Tapered Roller Bearing Cup	AT-D25	1
26	Tapered Roller Bearing Cone	AT-D26	1
27	Spiral Bevel Gear	AT-D27	1
28	Fitting Washer	AT-D28	1
29	Retaining Ring	AT-D29	1
30	Setscrew	AT-D30	1
31	Crank	AT-D31	1
32	Setscrew	AT-D32	2
33	Quill Dial, R.H.	AT-D33	1
34	Retaining Ring	AT-D34	1
35	Spacer	AT-D35	1
36	Ball Bearing	AT-D36	1
37	Worm	AT-D37	1
38	Ball Bearing	AT-D38	1
39	Quill Clamp Screw	AT-D39	1
40	Quill Clamp Sleeve	AT-D40	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
41	Spiral Bevel Gear	AT-D41	1
42	Spindle Head	AT-D42	1
43	Quill Dial, L.H.	AT-D43	1
44	Draw Bolt Nut	AT-D44	1
45	Draw in Bolt	AT-D45	1
46	Quill Clamp Nut	AT-D46	1
47	Screw	AT-D47	4
48	Cover	AT-D48	1
49	Fitting Washer	AT-D49	1
50	Tapered Roller Bearing Cone	AT-D50	2
51	Tapered Roller Bearing Cup	AT-D51	1
52	Pin	AT-D52	1
53	Stop Rod	AT-D53	1
54	Graduated Collar	AT-D54	1
55	Graduated Collar Spacer	AT-D55	1
56	Key	AT-D56	1
57	Jam Nut	AT-D57	1
58	Pin	AT-D58	2
59	Quill Bearing	AT-D59	2
60	Worm Gear	AT-D60	1
61	Collar Nut	AT-D61	1
62	Tapered Roller Bearing Cone	AT-D62	1
63	Tapered Roller Bearing Cup	AT-D63	1
64	Screw	AT-D64	1
65	Quill	AT-D65	1
66	Screw	AT-D66	2
67	Spindle Drive Key	AT-D67	2
68	Spindle	AT-D68	1
69	Grease Slinger	AT-D69	1
70	Tapered Roller Bearing Cone	AT-D70	1
71	Tapered Roller Bearing Cup	AT-D71	1
72	Screw	AT-D72	4
73	Quill Clamp	AT-D73	1
74	Escutcheon Pin	AT-D74	2
75	Instruction Plate	AT-D75	1
76	Internal Gear	AT-D76	1
77	Dowel	AT-D77	2
78	Screw	AT-D78	6
79	Setscrew	AT-D79	2

Items 76, 77, 78 for ram machines only.

BEVEL GEARS ARE FURNISHED
IN MATED SETS ONLY

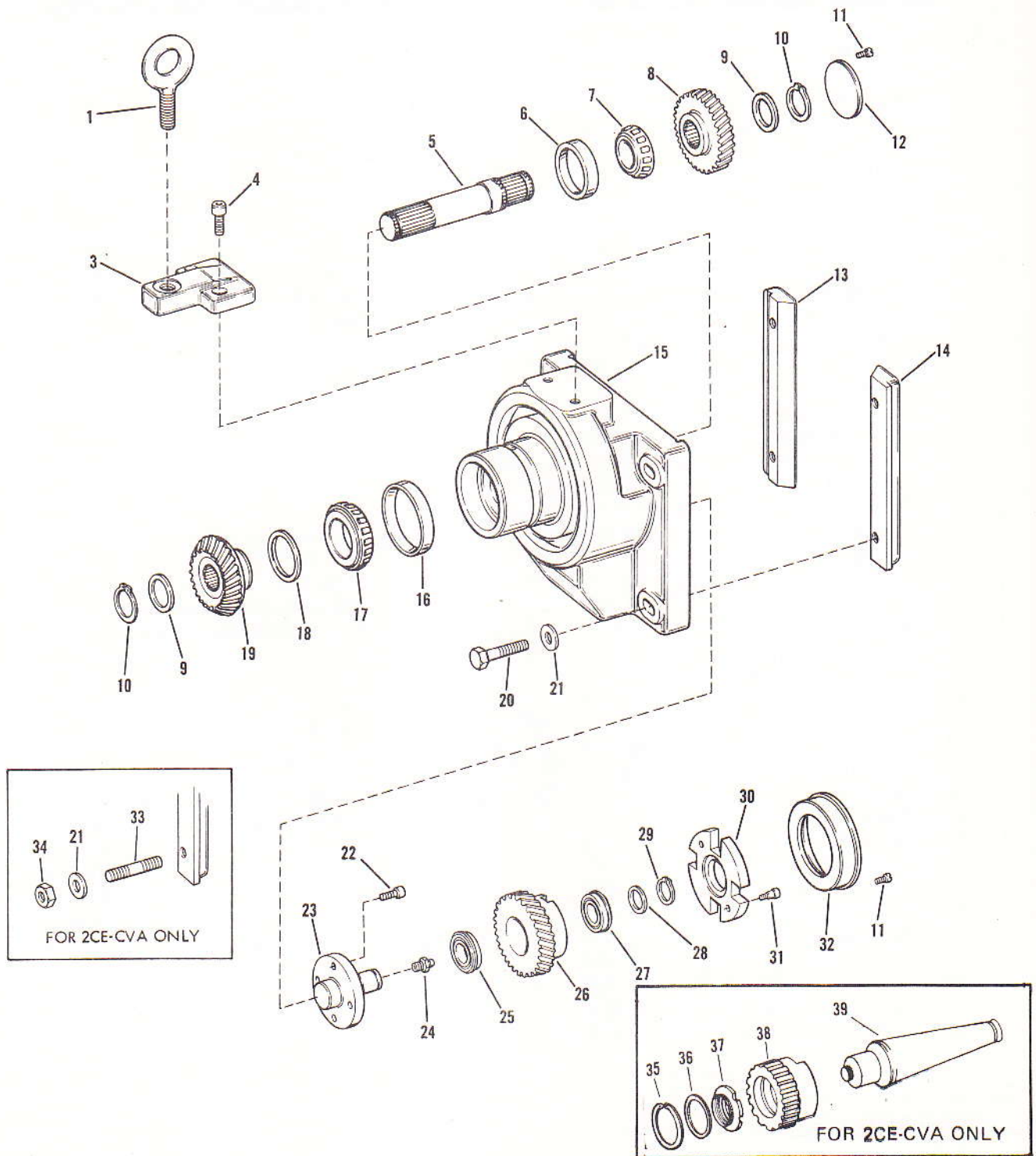


Fig. E Series 5782 - Drive Bracket

Fig. E Series 5782 - Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Eye Bolt	AT-E1	1
3	Eye Bolt Bracket	AT-E3A	1
	Eye Bolt Bracket, Vertical Without Quill Only	AT-E3B	1
4	Screw	AT-E4	2
5	Bevel Gear Shaft	AT-E5	1
6	Tapered Roller Bearing Cup	AT-E6	1
7	Tapered Roller Bearing Cone	AT-E7	1
8	Helical Driven Gear . .	AT-E8	1
9	Fitting Washer	AT-E9	2
10	Retaining Ring	AT-E10	2
11	Screw	AT-E11	3
12	Cover	AT-E12	1
13	Clamp Bar, L.H.	AT-E13	1
14	Clamp Bar, R.H.	AT-E14	1
15	Swivel Base	AT-E15A	1
	Swivel Base, 2CE CVA .	AT-E15B	1
16	Tapered Roller Bearing Cup	AT-E16	1
17	Tapered Roller Bearing Cone	AT-E17	1
18	Fitting Washer	AT-E18	1
19	Spiral Bevel Gear	AT-E19	1
20	Screw	AT-E20	4
21	Washer	AT-E21	4
22	Screw	AT-E22	4
23	Drive Gear Shaft	AT-E23	1
24	Grease Fitting	AT-E24	1
25	Ball Bearing	AT-E25	1
26	Helical Drive Gear	AT-E26A	1
	Helical Drive Gear, ...	AT-E26B	1
	2CE CVA		
27	Ball Bearing	AT-E27	1
28	Fitting Washer	AT-E28	1
29	Retaining Ring	AT-E29	1
30	Drive Adapter, 2CE CVA	AT-E30	1
31	Shoulder Screw, ...	AT-E31	2
	2CE CVA		
32	Shield	AT-E32A	1
	Shield, 2CE CVA	AT-E32B	1
33	Stud, 2CE CVA	AT-E33	4
34	Nut, 2CE CVA	AT-E34	4
35	Retaining Ring	AT-E35	1
36	Fitting Washer	AT-E36	1
37	Adapter Nut	AT-E37	1
38	Drive Gear	AT-E38	1
39	Adapter Plug	AT-E39	1

BEVEL GEARS ARE FURNISHED
IN MATED SETS ONLY

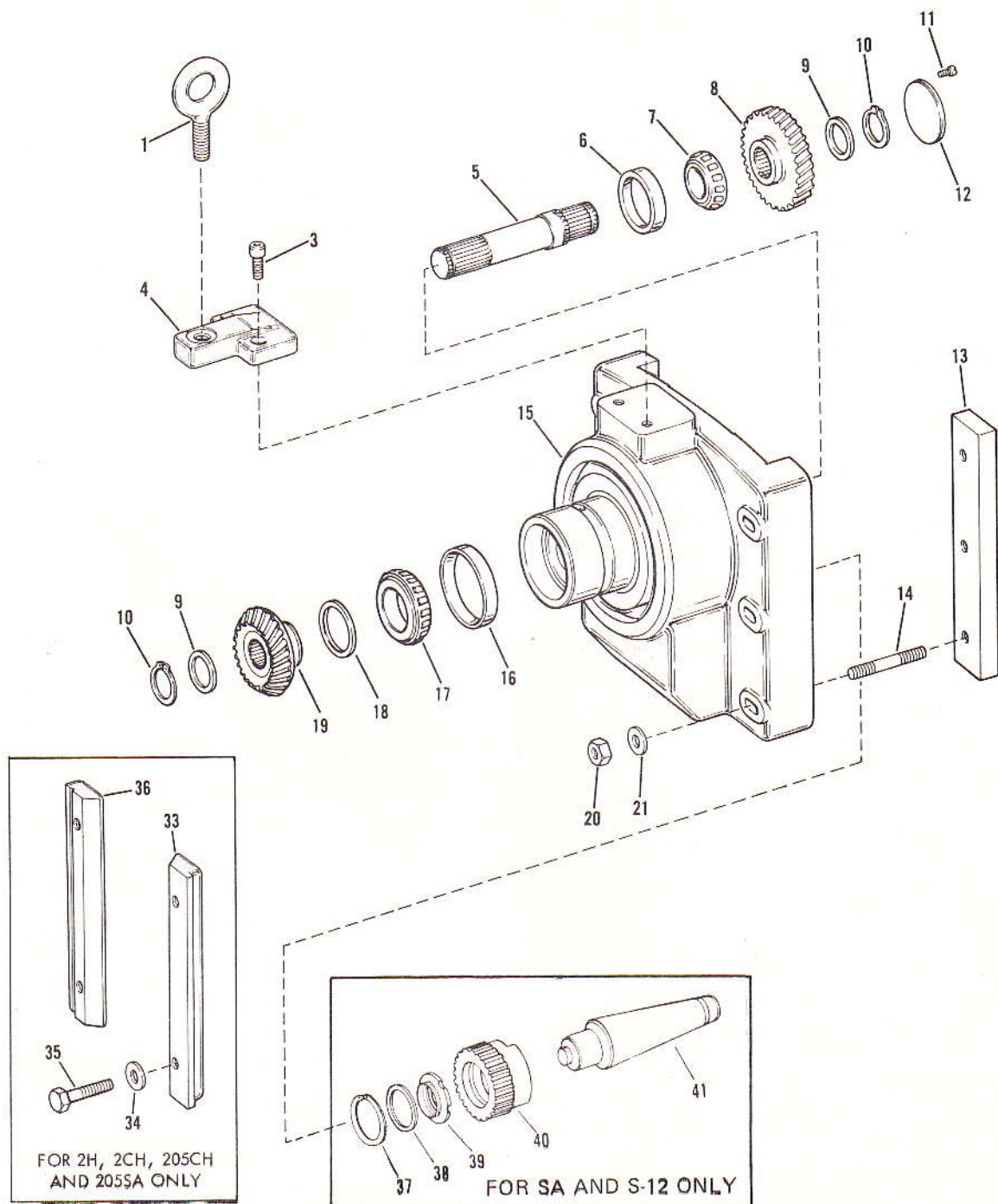


Fig. F Series 5782 - Drive Bracket

Fig. F Series 5782 - Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Eye Bolt	AT-F1	1
3	Screw	AT-F3	2
4	Eye Bolt Bracket	AT-F4A	1
	Eye Bolt Bracket, Vertical	AT-F4B	1
	Without Quill Only		
5	Bevel Gear Shaft	AT-F5	1
6	Tapered Roller Bearing Cup	AT-F6	1
7	Tapered Roller Bearing Cone	AT-F7	1
8	Helical Driven Gear	AT-F8	1
9	Fitting Washer	AT-F9	2
10	Retaining Ring	AT-F10	2
11	Screw	AT-F11	3
12	Cover	AT-F12	1
13	Clamp Bar, S-12	AT-F13	2
14	Stud, S-12	AT-F14	6
15	Swivel Base, S-12	AT-F15A	1
	Swivel Base	AT-F15B	1
16	Tapered Roller Bearing Cup	AT-F16	1
17	Tapered Roller Bearing Cone	AT-F17	1
18	Fitting Washer	AT-F18	1
19	Spiral Bevel Gear	AT-F19	1
20	Nut, S-12	AT-F20	6
21	Washer	AT-F21	6
33	Clamp Bar, R.H.	AT-F33	1
34	Washer	AT-F34	4
35	Screw	AT-F35	4
36	Clamp Bar, L.H.	AT-F36	1
37	Retaining Ring	AT-F37	1
38	Fitting Washer	AT-F38	1
39	Adapter Nut	AT-F39	1
40	Drive Gear	AT-F40	1
41	Adapter Plug	AT-F41	1

Items 33 thru 36 for 2H, 2CH, 205CH and 205SA only.

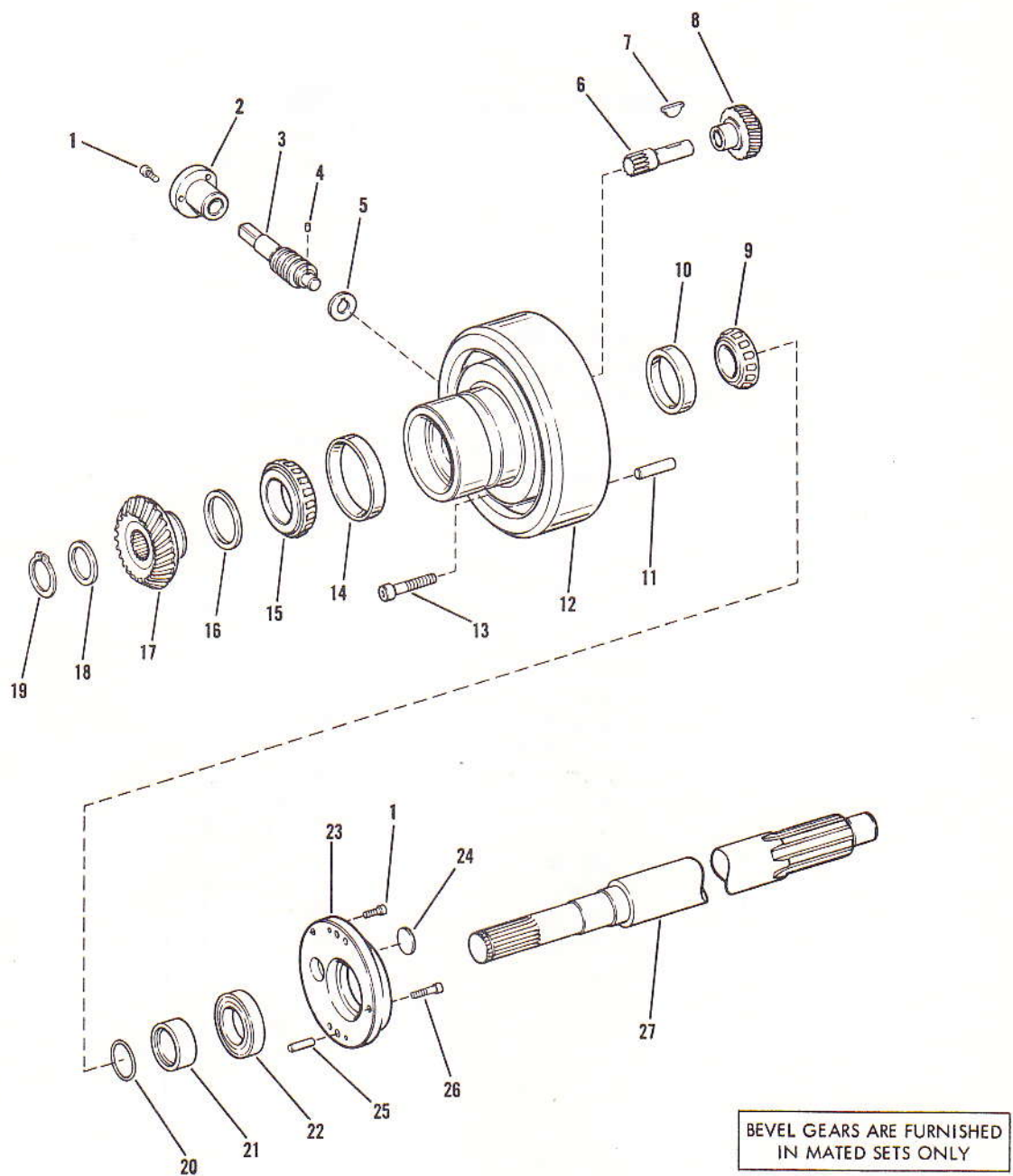


Fig. G Series 5782 - Swivel Base for Ram Machines

Fig. G Series 5782 - Swivel Base for Ram Machines

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-G1	6
2	Bearing Cover	AT-G2	1
3	Worm Shaft	AT-G3	1
4	Dowel	AT-G4	1
5	Thrust Washer	AT-G5	1
6	Pinion Gear	AT-G6	1
7	Key	AT-G7	1
8	Worm Wheel	AT-G8	1
9	Tapered Roller Bearing Cone	AT-G9	1
10	Tapered Roller Bearing Cup	AT-G10	1
11	Dowel	AT-G11	2
12	Swivel Base	AT-G12	1
13	Screw	AT-G13	6
14	Tapered Roller Bearing Cup	AT-G14	1
15	Tapered Roller Bearing Cone	AT-G15	1
16	Fitting Washer	AT-G16	1
17	Spiral Bevel Gear	AT-G17	1
18	Fitting Washer	AT-G18	1
19	Retaining Ring	AT-G19	1
20	O Ring	AT-G20	1
21	Seal Ring	AT-G21	1
22	Oil Seal	AT-G22	1
23	Swivel Base Locator	AT-G23	1
24	Expansion Plug	AT-G24	1
25	Dowel	AT-G25	2
26	Screw	AT-G26	1
27	Spindle Drive Shaft	AT-G27	1

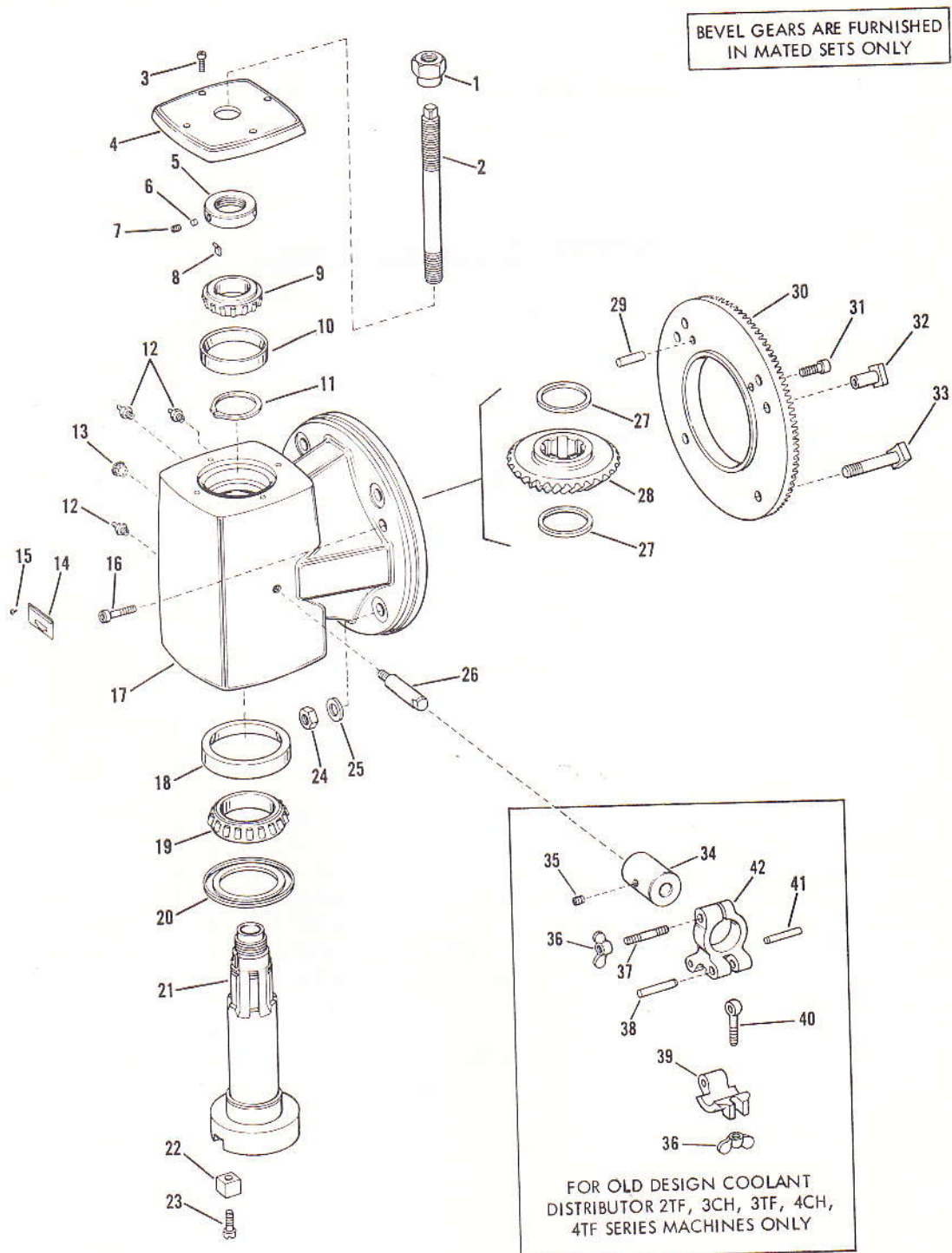


Fig. H Series 5812 - Heavy Duty Fixed Spindle Vertical Milling Head

Fig. H Series 5812 - Heavy Duty Fixed Spindle Vertical Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Draw Bolt Nut	AT-H1	1
2	Draw in Bolt	AT-H2	1
3	Screw	AT-H3	4
4	Cover	AT-H4	1
5	Collar Nut	AT-H5	1
6	Collar Nut Shoe	AT-H6	2
7	Setscrew	AT-H7	2
8	Bearing Key	AT-H8	1
9	Tapered Roller Bearing Cone	AT-H9	1
10	Tapered Roller Bearing Cup	AT-H10	1
11	Retaining Ring	AT-H11	1
12	Grease Fitting	AT-H12	2
13	Dot Plug	AT-H13	1
14	Instruction Plate	AT-H14	1
15	Drive Screw	AT-H15	4
16	Screw	AT-H16	2
17	Swivel Head	AT-H17	1
18	Tapered Roller Bearing Cup	AT-H18	1
19	Tapered Roller Bearing Cone	AT-H19	1
20	Grease Slinger	AT-H20	1
21	Spindle	AT-H21	1
22	Spindle Drive Key	AT-H22	2
23	Screw	AT-H23	2
24	Nut	AT-H24	4
25	Washer	AT-H25	4
26	Coolant Distributor Stud .	AT-H26	1
27	Fitting Washer	AT-H27	2
28	Spiral Bevel Gear	AT-H28	1
29	Dowel	AT-H29	1
30	Worm Gear	AT-H30	1
31	Screw	AT-H31	2
32	Retaining T Nut	AT-H32	2
33	T Bolt	AT-H33	4
34	Clamp Rod Adapter	AT-H34	1
35	Setscrew	AT-H35	1
36	Wing Nut	AT-H36	2
37	Clamp Stud	AT-H37	1
38	Eyebolt Pin	AT-H38	1
39	Coolant Distributor Clamp	AT-H39	1
40	Eyebolt	AT-H40	1
41	Hinge Pin	AT-H41	1
42	Coolant Distributor Support	AT-H42	1

Items 34 thru 42 for old design coolant distributor
2TF, 3CH, 3TF, 4CH, 4TF series machines only.

ATTACHMENTS

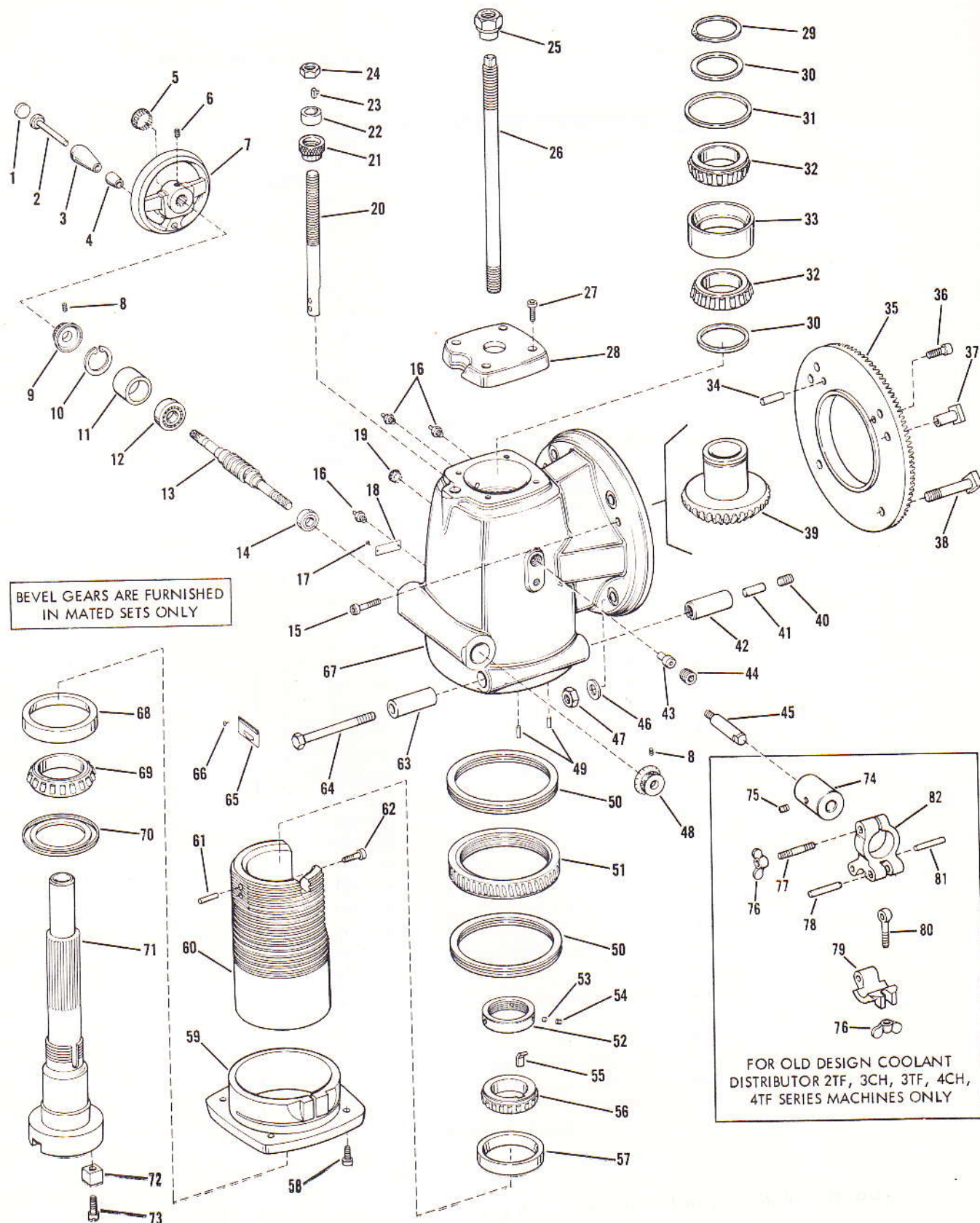


Fig. J Series 5812 - Heavy Duty Adjustable Spindle Vertical Milling Head

Fig. J Series 5812 - Heavy Duty Adjustable Spindle Vertical Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Plug	AT-J1	1
2	Knob Shaft	AT-J2	1
3	Knob	AT-J3	1
4	Hilt Ring	AT-J4	1
5	Dot Plug	AT-J5	1
6	Setscrew	AT-J6	1
7	Handwheel	AT-J7	1
8	Setscrew	AT-J8	2
9	Quill Dial R.H.	AT-J9	1
10	Retaining Ring	AT-J10	1
11	Spacer	AT-J11	1
12	Ball Bearing	AT-J12	1
13	Worm	AT-J13	1
14	Ball Bearing	AT-J14	1
15	Screw	AT-J15	2
16	Grease Fitting	AT-J16	3
17	Escutcheon Pin	AT-J17	2
18	Instruction Plate	AT-J18	1
19	Dot Plug	AT-J19	1
20	Stop Rod	AT-J20	1
21	Graduated Collar	AT-J21	1
22	Graduated Collar Spacer	AT-J22	1
23	Key	AT-J23	1
24	Jam Nut	AT-J24	1
25	Draw Bolt Nut	AT-J25	1
26	Draw in Bolt	AT-J26	1
27	Screw	AT-J27	4
28	Cover	AT-J28	1
29	Retaining Ring	AT-J29	1
30	Fitting Washer	AT-J30	2
31	Fitting Washer	AT-J31	1
32	Tapered Roller Bearing Cone	AT-J32	2
33	Tapered Roller Bearing Cup	AT-J33	1
34	Dowel	AT-J34	1
35	Worm Gear	AT-J35	1
36	Screw	AT-J36	2
37	Retaining T Nut	AT-J37	2
38	T Bolt	AT-J38	4
39	Spiral Bevel Gear	AT-J39	1
40	Setscrew	AT-J40	1
41	Stop Pin	AT-J41	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
42	Quill Clamp Nut	AT-J42	1
43	Quill Stop Pin	AT-J43	1
44	Setscrew	AT-J44	1
45	Coolant Distributor Stud	AT-J45	1
46	Washer	AT-J46	4
47	Nut	AT-J47	4
48	Quill Dial, L.H.	AT-J48	1
49	Pin	AT-J49	2
50	Quill Bearing	AT-J50	2
51	Worm Wheel	AT-J51	1
52	Collar Nut	AT-J52	1
53	Collar Nut Shoe	AT-J53	2
54	Setscrew	AT-J54	2
55	Bearing Key	AT-J55	1
56	Tapered Roller Bearing Cone	AT-J56	1
57	Tapered Roller Bearing Cup	AT-J57	1
58	Screw	AT-J58	4
59	Quill Clamp	AT-J59	1
60	Quill	AT-J60	1
61	Dowel	AT-J61	1
62	Screw	AT-J62	1
63	Quill Clamp Sleeve	AT-J63	1
64	Quill Clamp Screw	AT-J64	1
65	Grease Instruction Plate	AT-J65	1
66	Drive Screw	AT-J66	4
67	Vertical Swivel Quill Head	AT-J67	1
68	Tapered Roller Bearing Cup	AT-J68	1
69	Tapered Roller Bearing Cone	AT-J69	1
70	Grease Slinger	AT-J70	1
71	Spindle	AT-J71	1
72	Spindle Drive Key	AT-J72	2
73	Screw	AT-J73	2
74	Clamp Rod Adapter	AT-J74	1
75	Setscrew	AT-J75	1
76	Wing Nut	AT-J76	2
77	Clamp Stud	AT-J77	1
78	Eyebolt Pin	AT-J78	1
79	Coolant Distributor Clamp	AT-J79	1
80	Eyebolt	AT-J80	1
81	Hinge Pin	AT-J81	1
82	Coolant Distributor Support	AT-J82	1

Items 74 thru 82 for old design coolant distributor,
2TF, 3CH, 3TF, 4CH, 4TF series machines only.

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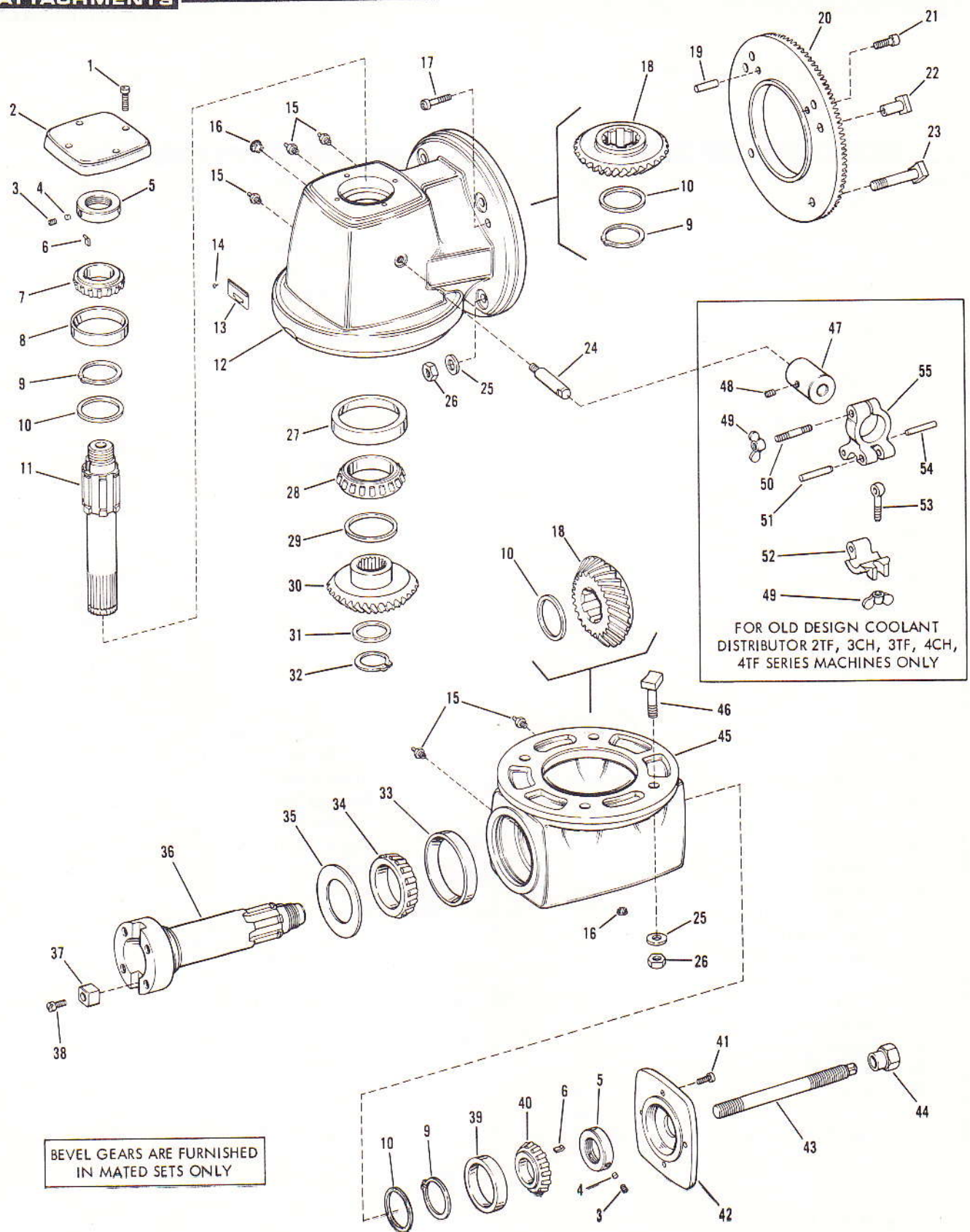


Fig. K Series 5812 - Heavy Duty Fixed Spindle Universal Milling Head

Fig. K Series 5812 - Heavy Duty Fixed Spindle Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-K1	4
2	Cover	AT-K2	1
3	Setscrew	AT-K3	4
4	Collar Nut Shoe	AT-K4	4
5	Collar Nut	AT-K5	2
6	Bearing Key	AT-K6	2
7	Tapered Roller Bearing Cone	AT-K7	1
8	Tapered Roller Bearing Cup	AT-K8	1
9	Retaining Ring	AT-K9	3
10	Fitting Washer	AT-K10	4
11	Spiral Bevel Gear Shaft .	AT-K11	1
12	Universal Swivel	AT-K12	1
13	Instruction Plate	AT-K13	1
14	Drive Screw	AT-K14	4
15	Grease Fitting	AT-K15	5
16	Dot Plug	AT-K16	2
17	Screw	AT-K17	2
18	Spiral Bevel Gear	AT-K18	2
19	Dowel	AT-K19	1
20	Worm Gear	AT-K20	1
21	Screw	AT-K21	2
22	Retaining T Nut	AT-K22	2
23	T Bolt	AT-K23	4
24	Coolant Distributor Stud .	AT-K24	1
25	Washer	AT-K25	8
26	Nut	AT-K26	8
27	Tapered Roller Bearing Cup	AT-K27	1
28	Tapered Roller Bearing Cone	AT-K28	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
29	Fitting Washer	AT-K29	1
30	Spiral Bevel Gear	AT-K30	1
31	Fitting Washer	AT-K31	1
32	Retaining Ring	AT-K32	1
33	Tapered Roller Bearing Cup	AT-K33	1
34	Tapered Roller Bearing Cone	AT-K34	1
35	Grease Slinger	AT-K35	1
36	Spindle	AT-K36	1
37	Spindle Drive Key	AT-K37	2
38	Screw	AT-K38	2
39	Tapered Roller Bearing Cup	AT-K39	1
40	Tapered Roller Bearing Cone	AT-K40	1
41	Screw	AT-K41	4
42	Cover	AT-K42	1
43	Draw in Bolt	AT-K43	1
44	Draw Bolt Nut	AT-K44	1
45	Spindle Head	AT-K45	1
46	T Bolt	AT-K46	4
47	Clamp Rod Adapter	AT-K47	1
48	Setscrew	AT-K48	1
49	Wing Nut	AT-K49	2
50	Clamp Stud	AT-K50	1
51	Eyebolt Pin	AT-K51	1
52	Coolant Distributor Clamp	AT-K52	1
53	Eyebolt	AT-K53	1
54	Hinge Pin	AT-K54	1
55	Coolant Distributor Support	AT-K55	1

Items 47 thru 55 old design coolant distributor,
2TF, 3CH, 3TF, 4CH, 4TF series machines only.

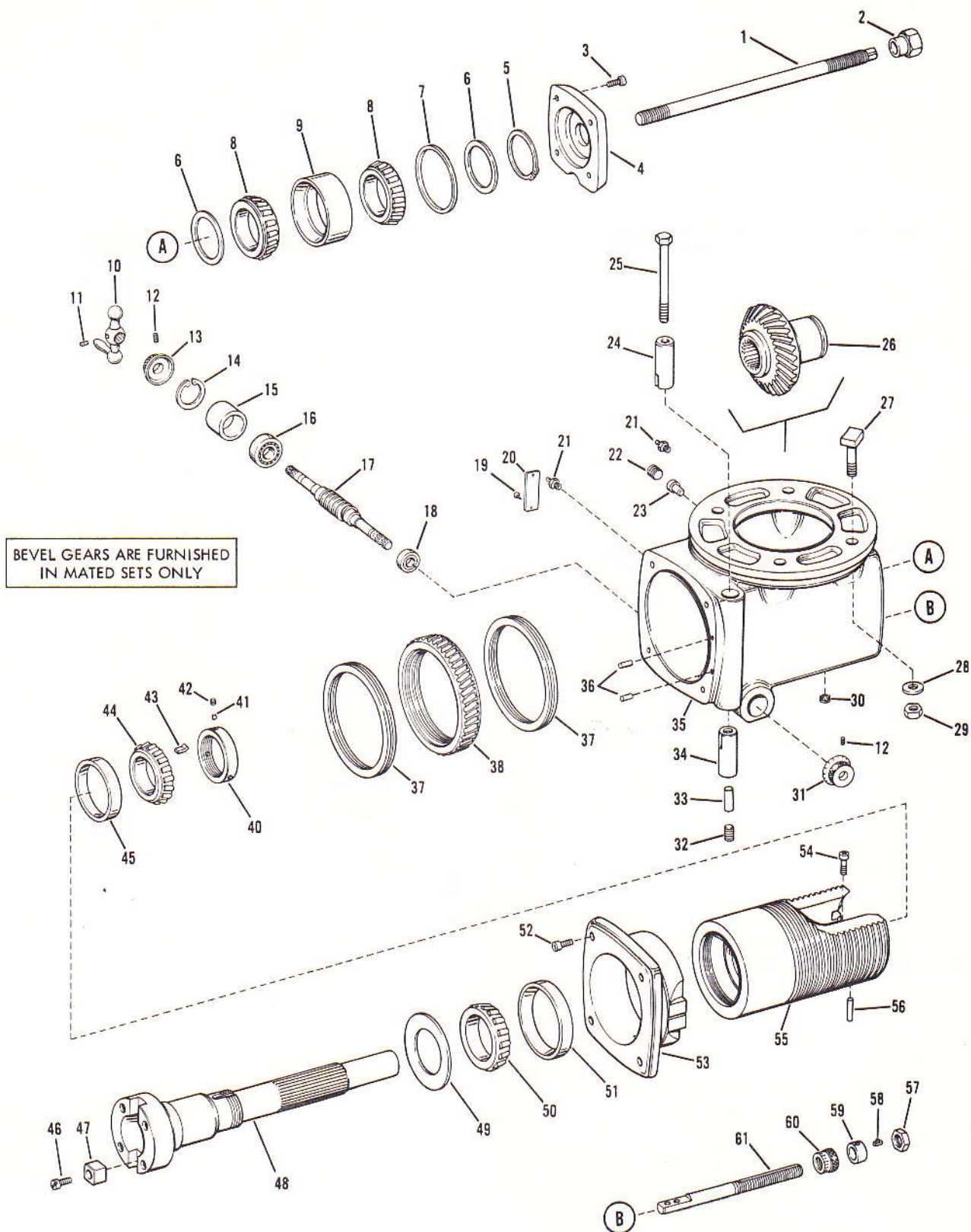


Fig. 1 Series 5812 - Heavy Duty Adjustable Spindle Universal Milling Head

Fig. L Series 5812 - Heavy Duty Adjustable Spindle Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Draw in Bolt	AT-L1	1
2	Draw Bolt Nut	AT-L2	1
3	Screw	AT-L3	4
4	Cover	AT-L4	1
5	Retaining Ring	AT-L5	1
6	Fitting Washer	AT-L6	2
7	Fitting Washer	AT-L7	1
8	Tapered Roller Bearing Cone	AT-L8	2
9	Tapered Roller Bearing Cup	AT-L9	1
10	Crank	AT-L10	1
11	Setscrew	AT-L11	1
12	Setscrew	AT-L12	2
13	Quill Dial, R.H.	AT-L13	1
14	Retaining Ring	AT-L14	1
15	Spacer	AT-L15	1
16	Ball Bearing	AT-L16	1
17	Worm	AT-L17	1
18	Ball Bearing	AT-L18	1
19	Escutcheon Pin	AT-L19	2
20	Instruction Plate	AT-L20	1
21	Grease Fitting	AT-L21	2
22	Setscrew	AT-L22	1
23	Quill Stop Pin	AT-L23	1
24	Quill Clamp Sleeve	AT-L24	1
25	Quill Clamp Screw	AT-L25	1
26	Spiral Bevel Gear	AT-L26	1
27	T Bolt	AT-L27	4
28	Washer	AT-L28	4
29	Nut	AT-L29	4
30	Dot Plug	AT-L30	1
31	Quill Dial, L.H.	AT-L31	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
32	Setscrew	AT-L32	1
33	Stop Pin	AT-L33	1
34	Quill Clamp Nut	AT-L34	1
35	Adjustable Spindle Head.	AT-L35	1
36	Pin	AT-L36	2
37	Quill Bearing	AT-L37	2
38	Worm Wheel	AT-L38	1
40	Collar Nut	AT-L40	1
41	Collar Nut Shoe	AT-L41	2
42	Setscrew	AT-L42	2
43	Bearing Key	AT-L43	1
44	Tapered Roller Bearing Cone	AT-L44	1
45	Tapered Roller Bearing Cup	AT-L45	1
46	Screw	AT-L46	2
47	Spindle Drive Key	AT-L47	2
48	Spindle	AT-L48	1
49	Grease Slinger	AT-L49	1
50	Tapered Roller Bearing Cone	AT-L50	1
51	Tapered Roller Bearing Cup	AT-L51	1
52	Screw	AT-L52	4
53	Quill Clamp	AT-L53	1
54	Screw	AT-L54	1
55	Quill	AT-L55	1
56	Dowel	AT-L56	1
57	Jam Nut	AT-L57	1
58	Key	AT-L58	1
59	Graduated Collar Spacer	AT-L59	1
60	Graduated Collar	AT-L60	1
61	Stop Rod	AT-L61	1

ATTACHMENTS

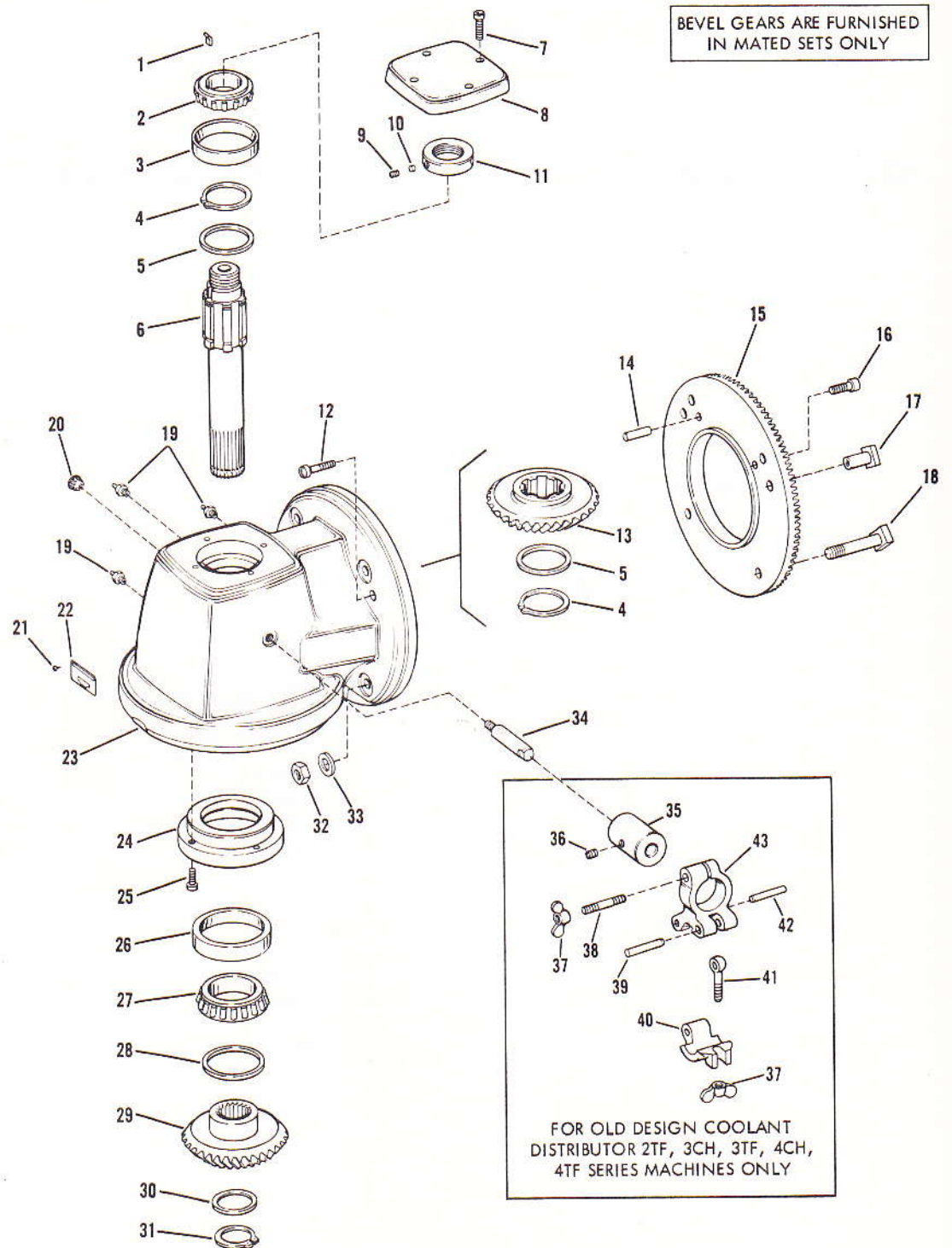


Fig. M Series 5812 - Heavy Duty Adjustable Spindle Universal Milling Head (Continued)

Fig. M Series 5812 - Heavy Duty Adjustable Spindle Universal Milling Head (Continued)

Order by Your MACHINE SERIAL No. and This CODE No.			
Item No.	Part Name	Code No.	Qty.
1	Bearing Key	AT-M1	1
2	Tapered Roller Bearing Cone	AT-M2	1
3	Tapered Roller Bearing Cup	AT-M3	1
4	Retaining Ring	AT-M4	2
5	Fitting Washer	AT-M5	2
6	Spiral Bevel Gear Shaft .	AT-M6	1
7	Screw	AT-M7	4
8	Cover	AT-M8	1
9	Setscrew	AT-M9	2
10	Collar Nut Shoe	AT-M10	2
11	Collar Nut	AT-M11	1
12	Screw	AT-M12	2
13	Spiral Bevel Gear	AT-M13	1
14	Dowel	AT-M14	1
15	Worm Gear	AT-M15	1
16	Screw	AT-M16	2
17	Retaining T Nut	AT-M17	2
18	T Bolt	AT-M18	4
19	Grease Fitting	AT-M19	3
20	Dot Plug	AT-M20	1
21	Drive Screw	AT-M21	4
22	Instruction Plate	AT-M22	1
23	Universal Swivel	AT-M23	1
24	Bearing Carrier	AT-M24	1
25	Screw	AT-M25	4
26	Tapered Roller Bearing Cup	AT-M26	1
27	Tapered Roller Bearing Cone	AT-M27	1
28	Fitting Washer	AT-M28	1
29	Spiral Bevel Gear	AT-M29	1
30	Fitting Washer	AT-M30	1
31	Retaining Ring	AT-M31	1
32	Nut	AT-M32	4
33	Washer	AT-M33	4
34	Coolant Distributor Stud .	AT-M34	1
35	Clamp Rod Adapter . . .	AT-M35	1
36	Setscrew	AT-M36	1
37	Wing Nut	AT-M37	2
38	Clamp Stud	AT-M38	1
39	Eyebolt Pin	AT-M39	1
40	Coolant Distributor Clamp	AT-M40	1
41	Eyebolt	AT-M41	1
42	Hinge Pin	AT-M42	1
43	Coolant Distributor Support	AT-M43	1

Items 35 thru 43 for old design coolant distributor,
2TF, 3CH, 3TF, 4CH, 4TF series machines only.

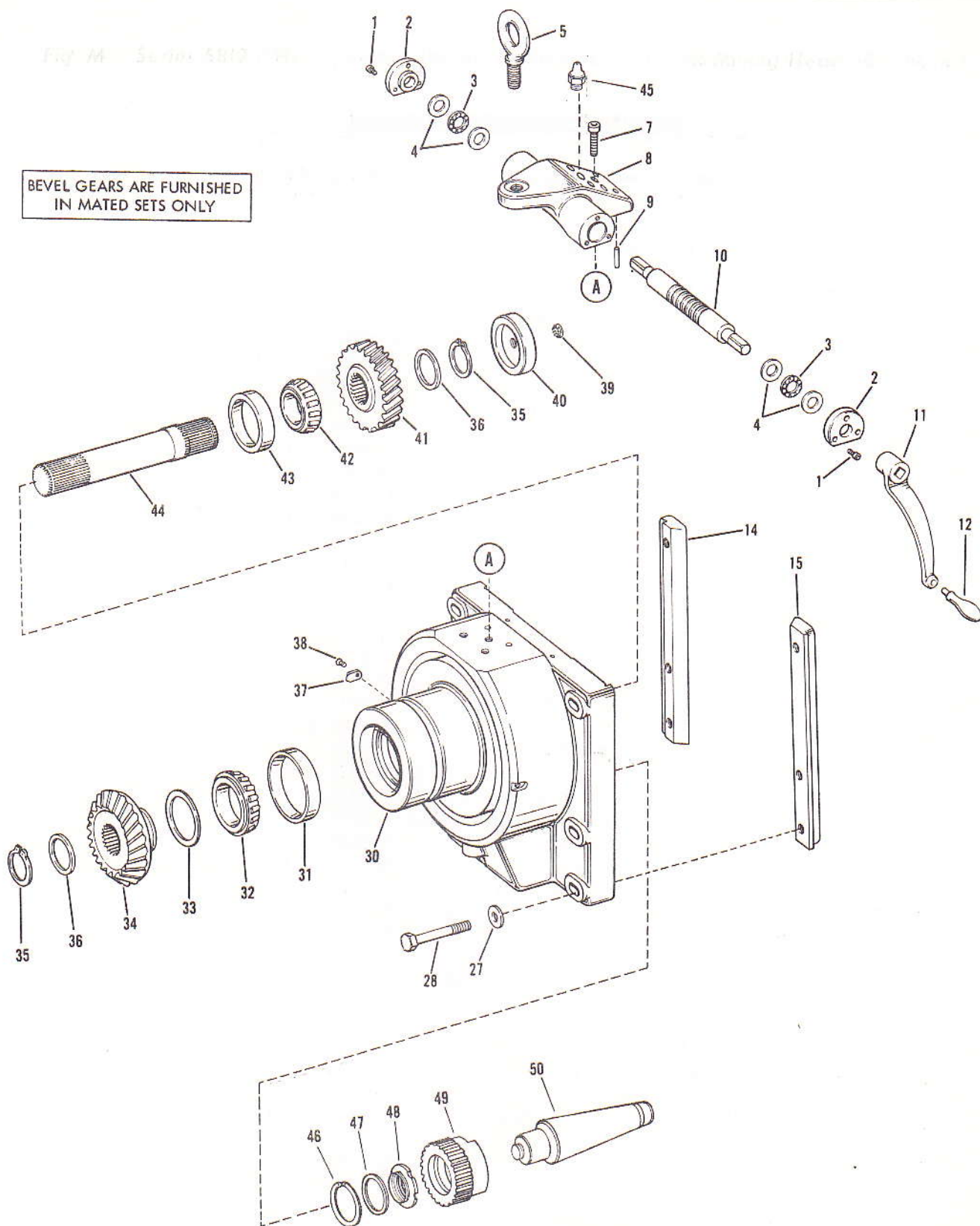


Fig. N Series 5812 - Drive Bracket

Fig. N Series 5812 - Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-N1	6
2	Worm Cover	AT-N2	2
3	Thrust Bearing	AT-N3	2
4	Thrust Bearing Race	AT-N4	4
5	Eye Bolt	AT-N5	1
7	Screw	AT-N7	3
8	Worm Housing	AT-N8A	1
	Worm Housing, Vertical	AT-N8B	1
	Without Quill Only		
9	Dowel	AT-N9	2
10	Worm	AT-N10	1
11	Crank	AT-N11	1
12	Handle	AT-N12	1
14	Clamp Bar, L.H.	AT-N14	1
15	Clamp Bar, R.H.	AT-N15	1
27	Washer	AT-N27	6
28	Screw	AT-N28	6
30	Swivel Base	AT-N30	1
31	Tapered Roller Bearing Cup	AT-N31	1
32	Tapered Roller Bearing Cone	AT-N32	1
33	Fitting Washer	AT-N33	1
34	Spiral Bevel Gear	AT-N34	1
35	Retaining Ring	AT-N35	2
36	Fitting Washer	AT-N36	2
37	Pointer	AT-N37	2
38	Screw	AT-N38	2
39	Dot Plug	AT-N39	1
40	Plug	AT-N40	1
41	Helical Gear	AT-N41	1
42	Tapered Roller Bearing Cone	AT-N42	1
43	Tapered Roller Bearing Cup	AT-N43	1
44	Spiral Bevel Gear Shaft	AT-N44	1
45	Grease Fitting	AT-N45	2
46	Retaining Ring	AT-N46	1
47	Fitting Washer	AT-N47	1
48	Adapter Nut	AT-N48	1
49	Helical Gear	AT-N49	1
50	Adapter Plug	AT-N50	1

BEVEL GEARS ARE FURNISHED
IN MATED SETS ONLY

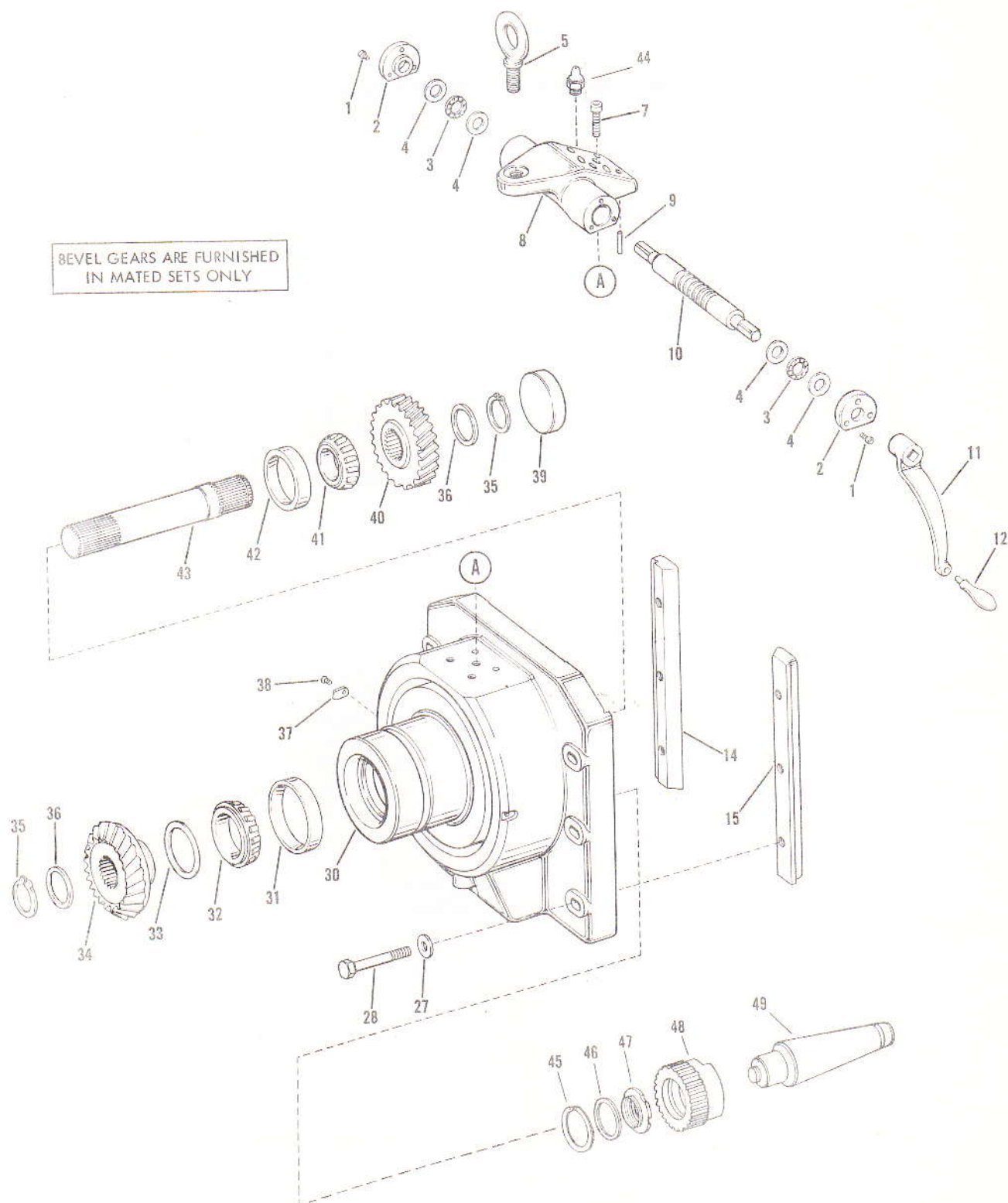


Fig. P Series 5812 - Drive Bracket

Fig. P Series 5812 - Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-P1	6
2	Worm Cover	AT-P2	2
3	Thrust Bearing	AT-P3	2
4	Thrust Bearing Race	AT-P4	4
5	Eye Bolt	AT-P5	1
7	Screw	AT-P7	3
8	Worm Housing	AT-P8A	1
	Worm Housing, Vertical	AT-P8B	1
	Without Quill Only		
9	Dowel	AT-P9	2
10	Worm	AT-P10	1
11	Crank	AT-P11	1
12	Handle	AT-P12	1
14	Clamp Bar, L.H.	AT-P14	1
15	Clamp Bar, R.H.	AT-P15	1
27	Washer	AT-P27	6
28	Screw	AT-P28	6
29	Grease Fitting	AT-P29	1
30	Swivel Base	AT-P30	1
31	Tapered Roller Bearing Cup	AT-P31	1
32	Tapered Roller Bearing Cone	AT-P32	1
33	Fitting Washer	AT-P33	1
34	Spiral Bevel Gear	AT-P34	1
35	Retaining Ring	AT-P35	2
36	Fitting Washer	AT-P36	2
37	Pointer	AT-P37	2
38	Screw	AT-P38	2
39	Plug	AT-P39	1
40	Helical Gear	AT-P40	1
41	Tapered Roller Bearing Cone	AT-P41	1
42	Tapered Roller Bearing Cup	AT-P42	1
43	Spiral Bevel Gear Shaft	AT-P43	1
44	Grease Fitting	AT-P44	2
45	Retaining Ring	AT-P45	1
46	Fitting Washer	AT-P46	1
47	Adapter Nut	AT-P47	1
48	Helical Gear	AT-P48	1
49	Adapter Plug	AT-P49	1

ATTACHMENTS

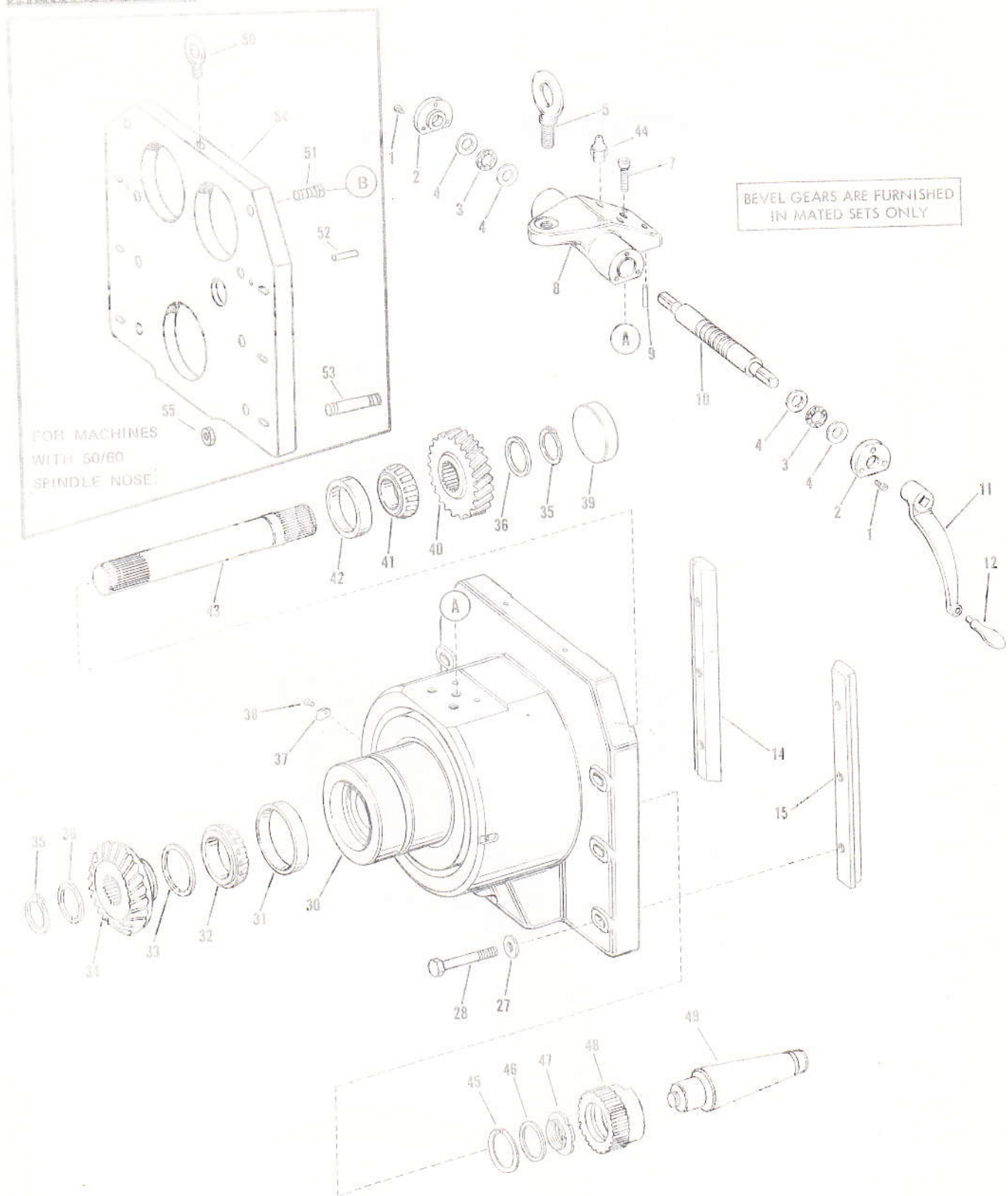


Fig. Q Series 5812 - Drive Bracket

Fig. Q Series 5812 - Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-Q1	6
2	Worm Cover	AT-Q2	2
3	Thrust Bearing	AT-Q3	2
4	Thrust Bearing Race	AT-Q4	4
5	Eye Bolt	AT-Q5	1
7	Screw	AT-Q7	3
8	Worm Housing	AT-Q8A	1
	Worm Housing, Vertical	AT-Q8B	1
	Without Quill Only		
9	Dowel	AT-Q9	2
10	Worm	AT-Q10	1
11	Crank	AT-Q11	1
12	Handle	AT-Q12	1
14	Clamp Bar, L.H.	AT-Q14	1
15	Clamp Bar, R.H.	AT-Q15	1
27	Washer	AT-Q27	6
28	Screw	AT-Q28	6
30	Swivel Base	AT-Q30	1
31	Tapered Roller Bearing Cup	AT-Q31	1
32	Tapered Roller Bearing Cone	AT-Q32	1
33	Fitting Washer	AT-Q33	1
34	Spiral Bevel Gear	AT-Q34	1
35	Retaining Ring	AT-Q35	2
36	Fitting Washer	AT-Q36	2
37	Pointer	AT-Q37	2
38	Screw	AT-Q38	2
39	Plug	AT-Q39	1
40	Helical Gear	AT-Q40	1
41	Tapered Roller Bearing Cone	AT-Q41	1
42	Tapered Roller Bearing Cup	AT-Q42	1
43	Spiral Bevel Gear Shaft	AT-Q43	1
44	Grease Fitting	AT-Q44	2
45	Retaining Ring	AT-Q45	1
46	Fitting Washer	AT-Q46	1
47	Adapter Nut	AT-Q47	1
48	Helical Gear	AT-Q48A	1
	Helical Gear	AT-Q48B	1
49	Adapter Plug	AT-Q49	1
50	Eye Bolt	AT-Q50	1
51	Socket Screw	AT-Q51	8
52	Dowel	AT-Q52	2
53	Stud	AT-Q53	6
54	Spacer	AT-Q54	1
55	Hex Nut	AT-Q55	6

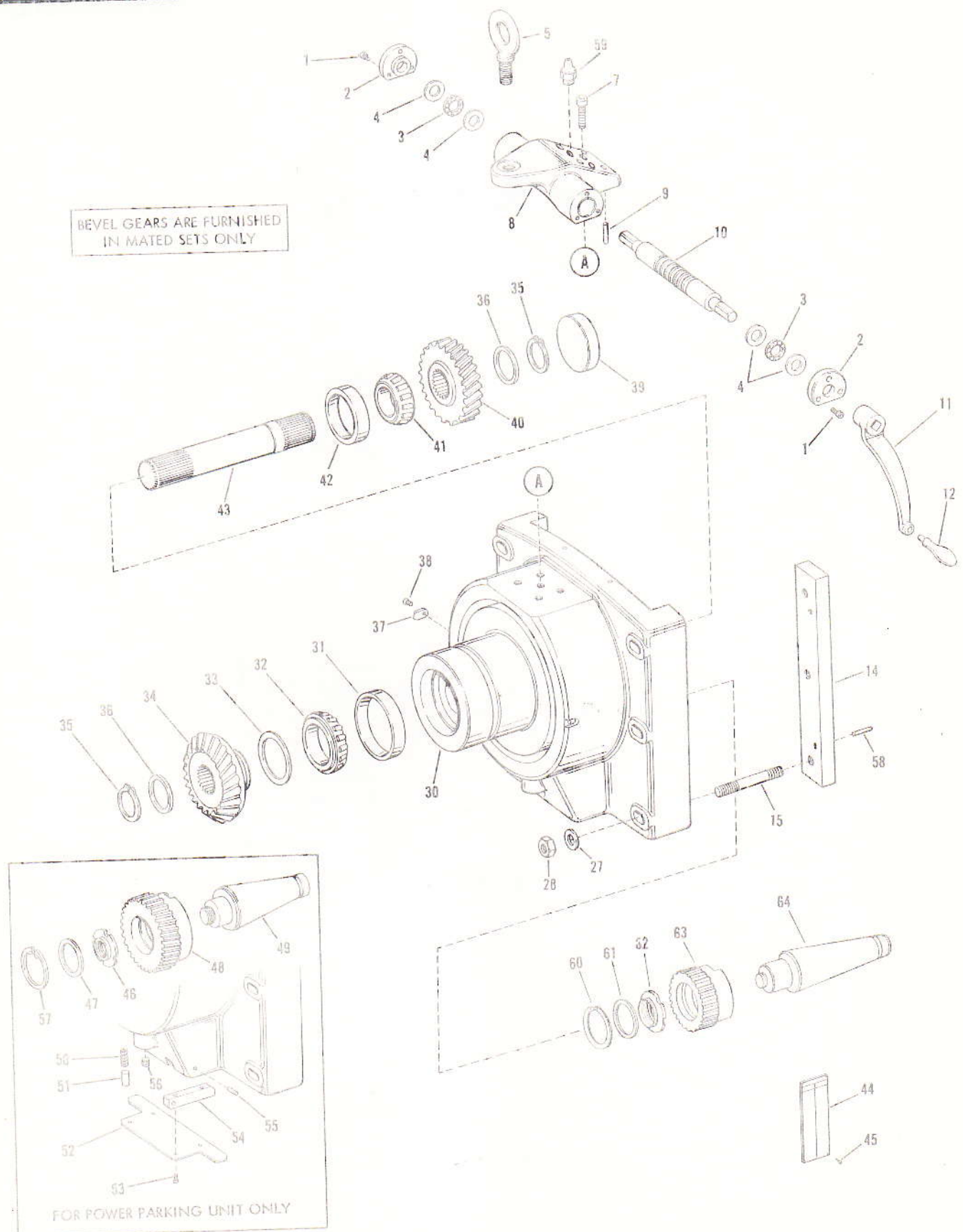


Fig. R Series 5812 - Drive Bracket

Fig. R Series 5812 - Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-R1	6
2	Worm Cover	AT-R2	2
3	Thrust Bearing	AT-R3	2
4	Thrust Bearing Race . . .	AT-R4	4
5	Eye Bolt	AT-R5	1
7	Screw	AT-R7	3
8	Worm Housing	AT-R8A	1
	Worm Housing, Vertical .	AT-R8B	1
	Without Quill Only		
9	Dowel	AT-R9	2
10	Worm	AT-R10	1
11	Crank	AT-R11	1
12	Handle	AT-R12	1
14	Clamp Bar	AT-R14A	2
	(C)Clamp Bar	AT-R14B	2
15	Stud	AT-R15	6
27	Washer	AT-R27	6
28	Nut	AT-R28	6
30	Swivel Base	AT-R30A	1
	(C)Swivel Base	AT-R30B	1
31	Tapered Roller Bearing Cup	AT-R31	1
32	Tapered Roller Bearing Cone	AT-R32	1
33	Fitting Washer	AT-R33	1
34	Spiral Bevel Gear	AT-R34	1
35	Retaining Ring	AT-R35	2
36	Fitting Washer	AT-R36	2
37	Pointer	AT-R37	2
38	Screw	AT-R38	2
39	(B)Plug	AT-R39	1
40	Helical Driven Gear . .	AT-R40A	1
	(A)20-1600 Driven Gear . .	AT-R40B	1
	(A)30-2400 Driven Gear . .	AT-R40C	1
41	Tapered Roller Bearing Cone	AT-R41	1
42	Tapered Roller Bearing Cup	AT-R42	1
43	Spiral Bevel Gear Shaft .	AT-R43	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
44	Spindle Speed Plate, . . .	AT-R44A	1
	Vertical Without Ram		
	Spindle Speed Plate, . .	AT-R44B	1
	Universal Without Ram		
	(A)Spindle Speed Plate, . .	AT-R44C	1
	30-2400 Vertical		
	(A)Spindle Speed Plate, . .	AT-R44D	1
	30-2400 Universal		
	(A)Speed Warning Plate . .	AT-R44E	1
	20-1600 RPM Only		
45	Drive Screw	AT-R45A	4
	(A)Escutcheon Pin	AT-R45B	2
46	(C)Adapter Plug Nut	AT-R46	1
47	(C)Fitting Washer	AT-R47	1
48	(C)Helical Drive Gear . . .	AT-R49	1
49	(C)Adapter Plug	AT-R49	1
50	(C)Spring	AT-R50	2
51	(C)Trip Detent Plunger Pin .	AT-R51	2
52	(C)Door	AT-R52	1
53	(C)Screw	AT-R53	4
54	(C)Door Hinge	AT-R54	2
55	(C)Pull Dowel	AT-R55	2
56	(C)Pipe Plug	AT-R56	1
57	(C)Retaining Ring	AT-R57	1
58	(C)Roll Pin	AT-R58	4
59	Grease Fitting	AT-R59	2
60	Retaining Ring	AT-R60	1
61	Fitting Washer	AT-R61	1
62	Adapter Plug Nut	AT-R62	1
63	Helical Dr. Gear 25-2000 RPM	AT-R63A	1
	Helical Dr. Gear 20-1600 RPM	AT-R63B	1
	Helical Dr. Gear 30-2400 RPM	AT-R63C	1
64	Adapter Plug	AT-R64	1

(A) To order only

(B) Omit with power parking unit (Pages 74-75)

(C) Used with power parking unit (Pages 74-75)

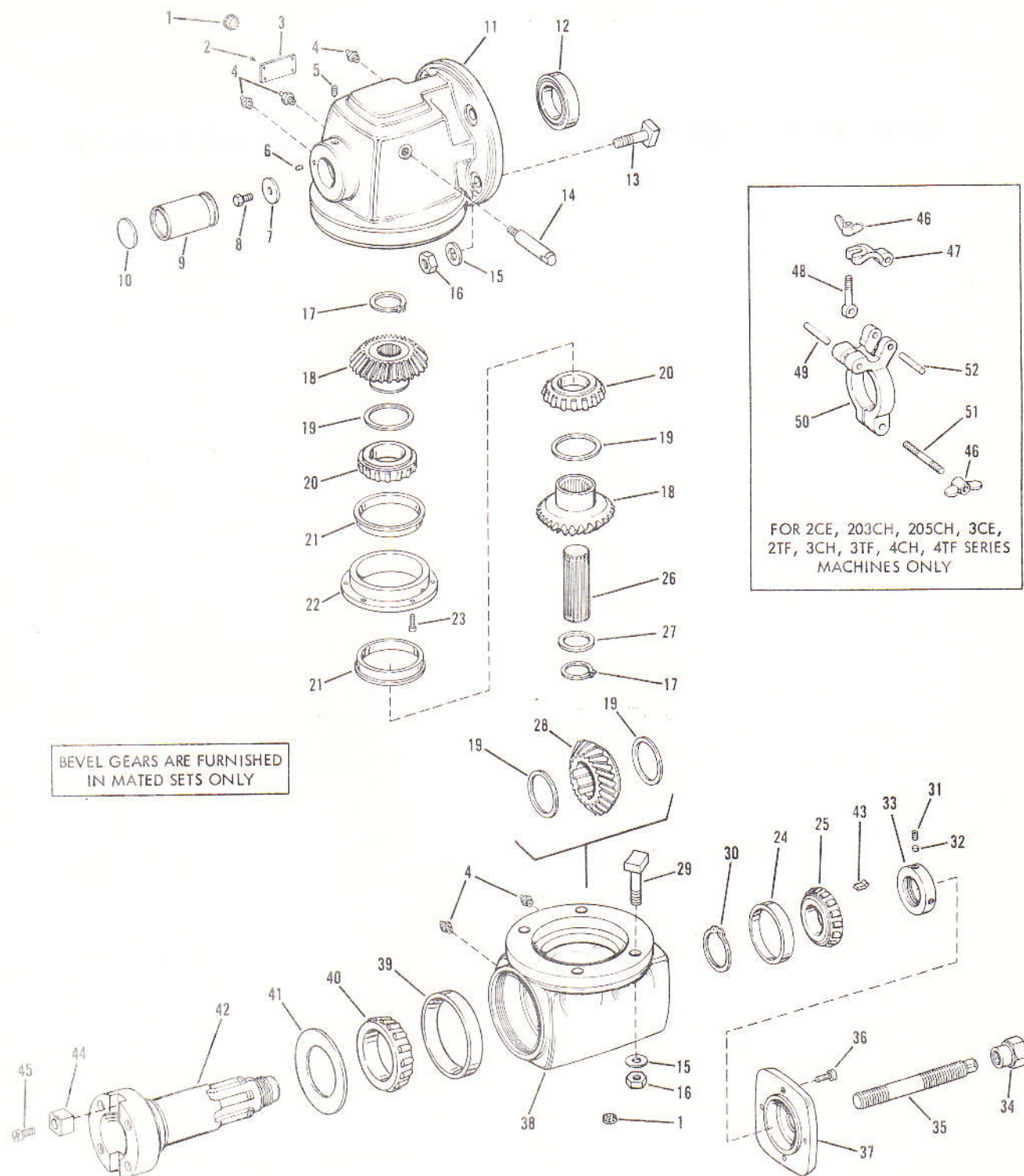


Fig. 5 Series 5796 - High Speed Fixed Spindle Universal Milling Head

Fig. 5 Series 5796 - High Speed Fixed Spindle Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Dot Plug	AT-S1	2
2	Drive Screw	AT-S2	4
3	Grease Instruction Plate .	AT-S3	1
4	Grease Fitting	AT-S4	6
5	Setscrew	AT-S5	1
6	Oil Hole Plug	AT-S6	1
7	Washer	AT-S7	1
8	Screw	AT-S8	1
9	Drive Shaft Cover	AT-S9	1
10	Expansion Plug	AT-S10	1
11	Universal Swivel	AT-S11	1
12	Ball Bearing	AT-S12	1
13	T Bolt	AT-S13	4
14	Coolant Distributor Stud .	AT-S14	1
15	Washer	AT-S15	8
16	Nut	AT-S16	8
17	Retaining Ring	AT-S17	2
18	Spiral Bevel Gear	AT-S18	2
19	Fitting Washer	AT-S19	4
20	Tapered Roller Bearing Cone	AT-S20	2
21	Tapered Roller Bearing Cup	AT-S21	2
22	Bearing Carrier	AT-S22	1
23	Screw	AT-S23	6
24	Tapered Roller Bearing Cup	AT-S24	1
25	Tapered Roller Bearing Cone	AT-S25	1
26	Bevel Gear Shaft	AT-S26	1
27	Fitting Washer	AT-S27	1
28	Spiral Bevel Gear	AT-S28	1
29	T Bolt	AT-S29	4

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
30	Retaining Ring	AT-S30	1
31	Setscrew	AT-S31	2
32	Collar Nut Shoe	AT-S32	2
33	Collar Nut	AT-S33	1
34	Draw Bolt Nut	AT-S34	1
35	Draw in Bolt	AT-S35	1
36	Screw	AT-S36	4
37	Cover	AT-S37	1
38	Spindle Head	AT-S38	1
39	Tapered Roller Bearing Cup	AT-S39	1
40	Tapered Roller Bearing Cone	AT-S40	1
41	Grease Slinger	AT-S41	1
42	Spindle	AT-S42	1
43	Bearing Key	AT-S43	1
44	Spindle Drive Key	AT-S44	2
45	Screw	AT-S45	2
46	(A, B, C)Wing Nut	AT-S46	2
47	(A)Coolant Distributor Clamp	AT-S47A	1
	(B)Coolant Distributor Clamp	AT-S47B	1
	(C)Coolant Distributor Clamp	AT-S47C	1
48	(A)Eye Bolt	AT-S48A	1
	(B, C)Eye Bolt	AT-S48B	1
49	(A)Eye Bolt Pin	AT-S49A	1
	(B, C)Eye Bolt Pin	AT-S49B	1
50	(A)Coolant Distributor Support	AT-S50A	1
	(B, C)Coolant Distributor . .	AT-S50B	1
	Support		
51	(A, B, C)Stud	AT-S51	1
52	(A)Clamp Pin	AT-S52A	1
	(B, C)Clamp Pin	AT-S52B	1

(A) For 2TF, 3CH, 3TF, 4CH, 4TF machines.

(B) For 203CH, 205CH, 3CE machines.

(C) For 2CE machines.

ATTACHMENTS

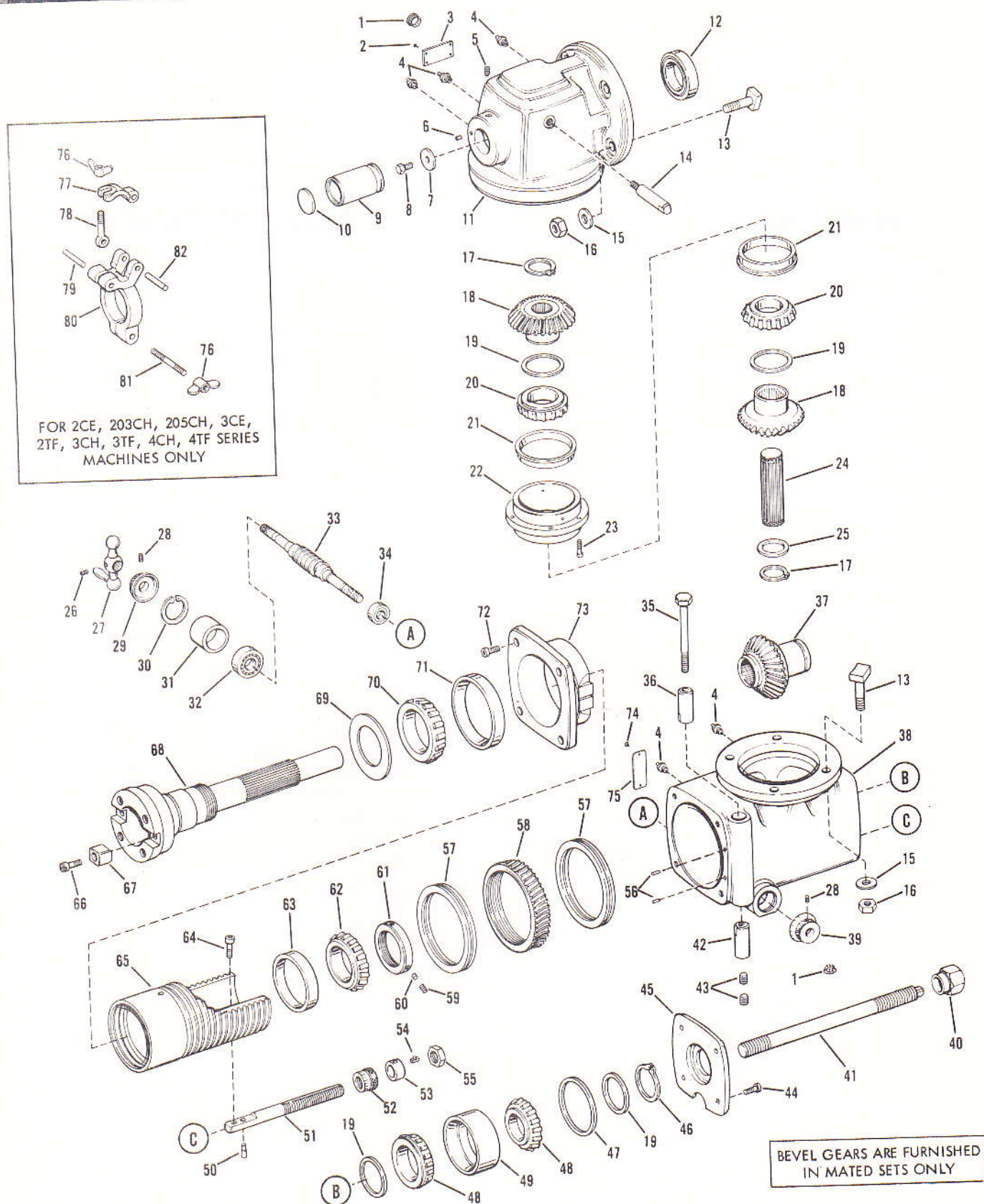


Fig. T Series 5796 - High Speed Adjustable Spindle Universal Milling Head

Fig. T Series 5796 - High Speed- Adjustable Spindle Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Dot Plug	AT-T1	2
2	Drive Screw	AT-T2	4
3	Grease Instruction Plate	AT-T3	1
4	Grease Fitting	AT-T4	6
5	Setscrew	AT-T5	1
6	Oil Hole Plug	AT-T6	1
7	Washer	AT-T7	1
8	Screw	AT-T8	1
9	Drive Shaft Cover	AT-T9	1
10	Expansion Plug	AT-T10	1
11	Universal Swivel	AT-T11	1
12	Ball Bearing	AT-T12	1
13	T Ball	AT-T13	8
14	Coolant Distributor Stud	AT-T14	1
15	Washer	AT-T15	8
16	Nut	AT-T16	8
17	Retaining Ring	AT-T17	2
18	Spiral Bevel Gear	AT-T18	2
19	Fitting Washer	AT-T19	4
20	Tapered Roller Bearing Cone	AT-T20	2
21	Tapered Roller Bearing Cup	AT-T21	2
22	Bearing Carrier	AT-T22	1
23	Screw	AT-T23	6
24	Bevel Gear Shaft	AT-T24	1
25	Fitting Washer	AT-T25	1
26	Setscrew	AT-T26	1
27	Crank	AT-T27	1
28	Setscrew	AT-T28	2
29	Quill Dial, R.H.	AT-T29	1
30	Retaining Ring	AT-T30	1
31	Spacer	AT-T31	1
32	Ball Bearing	AT-T32	1
33	Worm	AT-T33	1
34	Ball Bearing	AT-T34	1
35	Quill Clamp Screw	AT-T35	1
36	Quill Clamp Sleeve	AT-T36	1
37	Spiral Bevel Gear	AT-T37	1
38	Spindle Head	AT-T38	1
39	Quill Dial, L.H.	AT-T39	1
40	Draw Bolt Nut	AT-T40	1
41	Draw in Bolt	AT-T41	1
42	Quill Clamp Nut	AT-T42	1
43	Setscrew	AT-T43	2
44	Screw	AT-T44	4
45	Cover	AT-T45	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
46	Retaining Ring	AT-T46	1
47	Fitting Washer	AT-T47	1
48	Tapered Roller Bearing Cone	AT-T48	2
49	Tapered Roller Bearing Cup	AT-T49	1
50	Pin	AT-T50	1
51	Stop Rod	AT-T51	1
52	Graduated Collar	AT-T52	1
53	Graduated Collar Spacer	AT-T53	1
54	Key	AT-T54	1
55	Jam Nut	AT-T55	1
56	Pin	AT-T56	2
57	Quill Bearing	AT-T57	2
58	Worm Gear	AT-T58	1
59	Setscrew	AT-T59	2
60	Collar Nut Shoe	AT-T60	2
61	Collar Nut	AT-T61	1
62	Tapered Roller Bearing Cone	AT-T62	1
63	Tapered Roller Bearing Cup	AT-T63	1
64	Screw	AT-T64	1
65	Quill	AT-T65	1
66	Screw	AT-T66	2
67	Spindle Drive Key	AT-T67	2
68	Spindle	AT-T68	1
69	Grease Slinger	AT-T69	1
70	Tapered Roller Bearing Cone	AT-T70	1
71	Tapered Roller Bearing Cup	AT-T71	1
72	Screw	AT-T72	4
73	Quill Clamp	AT-T73	1
74	Escutcheon Pin	AT-T74	2
75	Instruction Plate	AT-T75	1
76	(A, B, C)Wing Nut	AT-T76	2
77	(A)Coolant Distributor Clamp	AT-T77A	1
	(B)Coolant Distributor Clamp	AT-T77B	1
	(C)Coolant Distributor Clamp	AT-T77C	1
78	(A)Eye Bolt	AT-T78A	1
	(B, C)Eye Bolt	AT-T78B	1
79	(A)Eye Bolt Pin	AT-T79A	1
	(B, C)Eye Bolt Pin	AT-T79B	1
80	(A)Coolant Distributor Support	AT-T80A	1
	(B, C)Coolant Distributor	AT-T80B	1
	Support		
81	(A, B, C)Stud	AT-T81	1
82	(A)Clamp Pin	AT-T82A	1
	(BC)Clamp Pin	AT-T82B	1

(A) For 2TF, 3CH, 3TF, 4CH, 4TF machines.

(B) For 203CH, 205CH, 3CE machines.

(C) For 2CE machines.

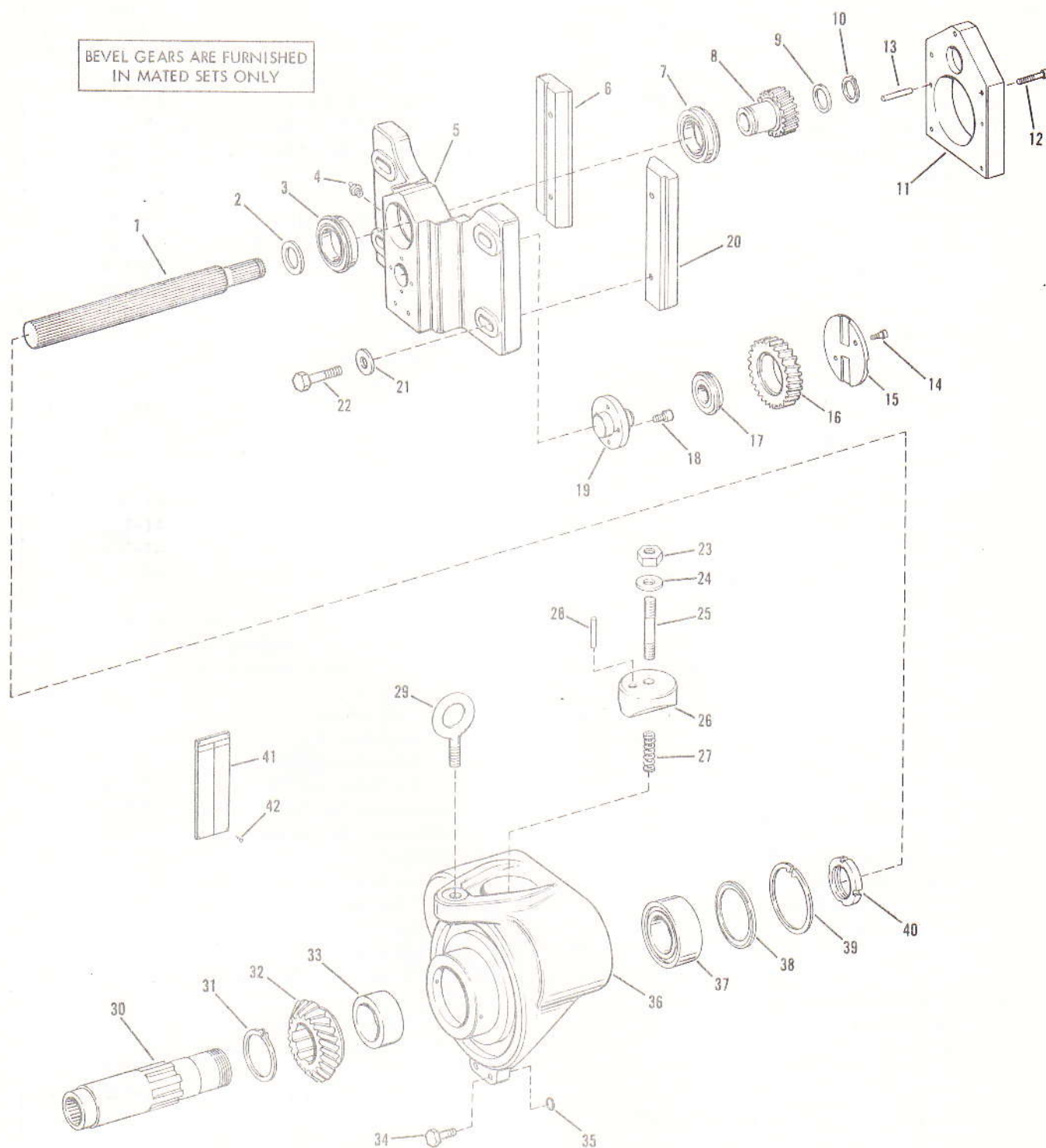


Fig. U Series 5796 - Drive Bracket Unit

Fig. U Series 5796 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Drive Shaft	AT-U1	1
2	Spacer	AT-U2	1
3	Ball Bearing	AT-U3	1
4	Grease Fitting	AT-U4	1
5	Drive Gear Housing	AT-U5	1
6	Clamp Plate, L.H.	AT-U6	1
7	Ball Bearing	AT-U7	1
8	Helical Driven Gear	AT-U8	1
9	Fitting Washer	AT-U9	1
10	Retaining Ring	AT-U10	1
11	Housing Cover	AT-U11	1
12	Screw	AT-U12	5
13	Dowel	AT-U13	2
14	Shoulder Screw	AT-U14	2
15	Drive Adapter	AT-U15	1
16	Helical Drive Gear	AT-U16	1
17	Ball Bearing	AT-U17	1
18	Screw	AT-U18	4
19	Bearing Carrier	AT-U19	1
20	Clamp Plate, R.H.	AT-U20	1
21	Washer	AT-U21	4
22	Screw	AT-U22	4
23	Nut	AT-U23	1
24	Washer	AT-U24	1
25	Stud	AT-U25	1
26	Overarm Clamp	AT-U26	1
27	Spring	AT-U27	1
28	Clamp Block Pin	AT-U28	1
29	Eye Bolt	AT-U29	1
30	Drive Gear Sleeve	AT-U30	1
31	Retaining Ring	AT-U31	1
32	Spiral Bevel Gear	AT-U32	1
33	Gear Spacer	AT-U33	1
34	Screw	AT-U34	2
35	O Ring	AT-U35	2
36	Swivel Support Bracket	AT-U36	1
37	Ball Bearing	AT-U37	1
38	Fitting Washer	AT-U38	1
39	Retaining Ring	AT-U39	1
40	Nut	AT-U40	1
41	2CE Speed Plate	AT-U41A	1
	(A)25-1500 RPM Plate	AT-U41B	1
	(A)35-2100 RPM Plate	AT-U41C	1
42	Escutcheon Pin	AT-U42	4

(A) For 1CH, 103CH, 2CHL, 203CH, 18AC, 18CH,
103CHP, 24AC, 24CH, 203CHP

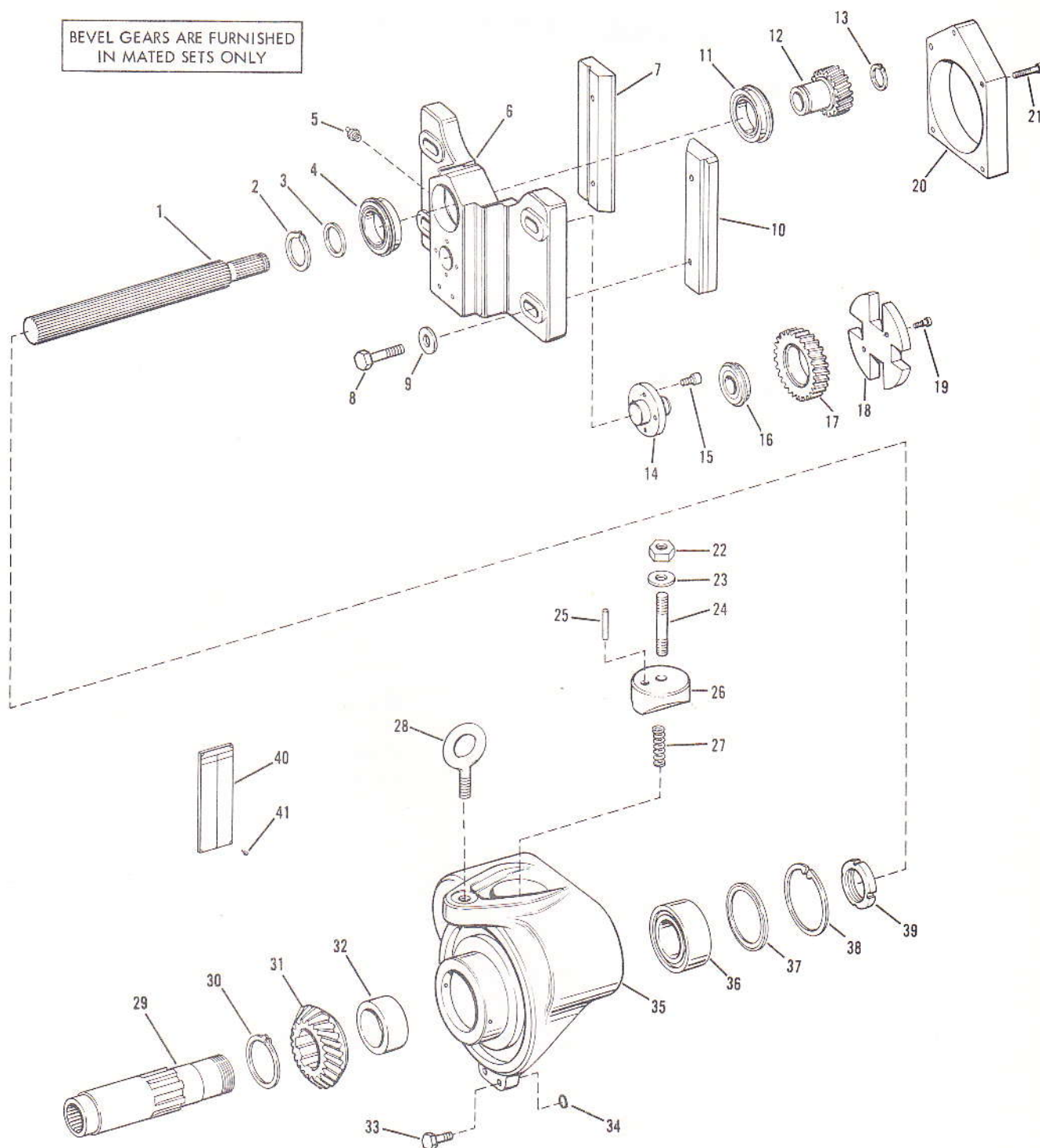


Fig. V Series 5796 - Drive Bracket Unit

Fig. V Series 5796 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Drive Shaft	AT-V1	1
2	Retaining Ring	AT-V2	1
3	Fitting Washer	AT-V3	1
4	Ball Bearing	AT-V4	1
5	Grease Fitting	AT-V5	1
6	Drive Gear Housing	AT-V6	1
7	Clamp Plate, L.H.	AT-V7	1
8	Screw	AT-V8	4
9	Washer	AT-V9	4
10	Clamp Plate, R.H.	AT-V10	1
11	Ball Bearing	AT-V11	1
12	Helical Driven Gear	AT-V12	1
13	Retaining Ring	AT-V13	1
14	Bearing Carrier	AT-V14	1
15	Screw	AT-V15	4
16	Ball Bearing	AT-V16	1
17	Helical Drive Gear	AT-V17	1
18	Drive Adapter	AT-V18	1
19	Shoulder Screw	AT-V19	2
20	Housing Cover	AT-V20	1
21	Screw	AT-V21	5
22	Nut	AT-U22	1
23	Washer	AT-V23	1
24	Stud	AT-V24	1
25	Clamp Block Pin	AT-V25	1
26	Overarm Clamp	AT-V26	1
27	Spring	AT-V27	1
28	Eye Bolt	AT-V28	1
29	Drive Gear Sleeve	AT-V29	1
30	Retaining Ring	AT-V30	1
31	Spiral Bevel Gear	AT-V31	1
32	Gear Spacer	AT-V32	1
33	Support Bracket	AT-V33	2
34	O Ring	AT-V34	2
35	Swivel Support Bracket	AT-V35	1
36	Ball Bearing	AT-V36	1
37	Fitting Washer	AT-V37	1
38	Retaining Ring	AT-V38	1
39	Nut	AT-V39	1
40	Spindle Speed Plate	AT-V40	1
41	Escutcheon Pin	AT-V41	4

ATTACHMENTS

BEVEL GEARS ARE FURNISHED
IN MATED SETS ONLY

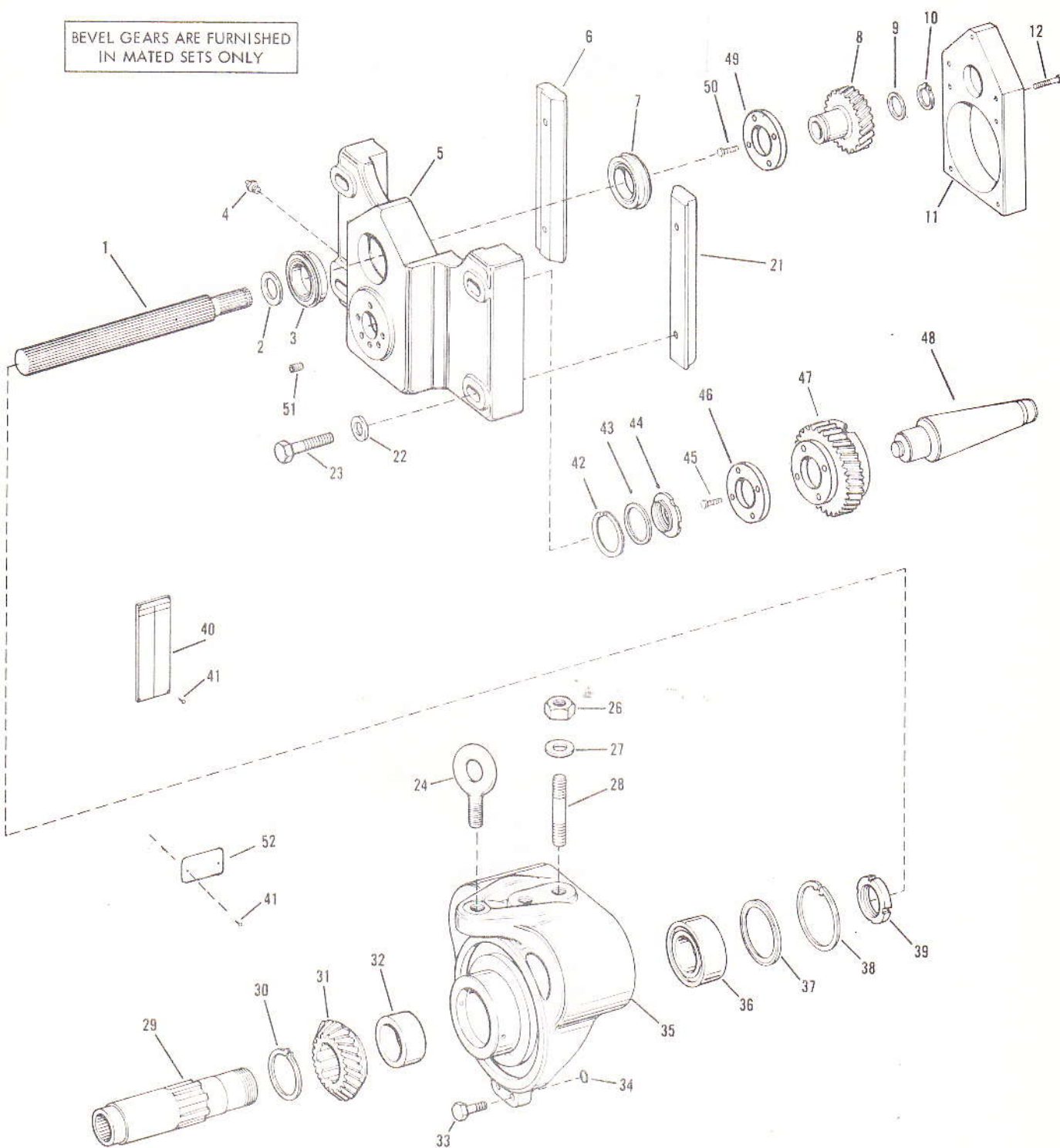
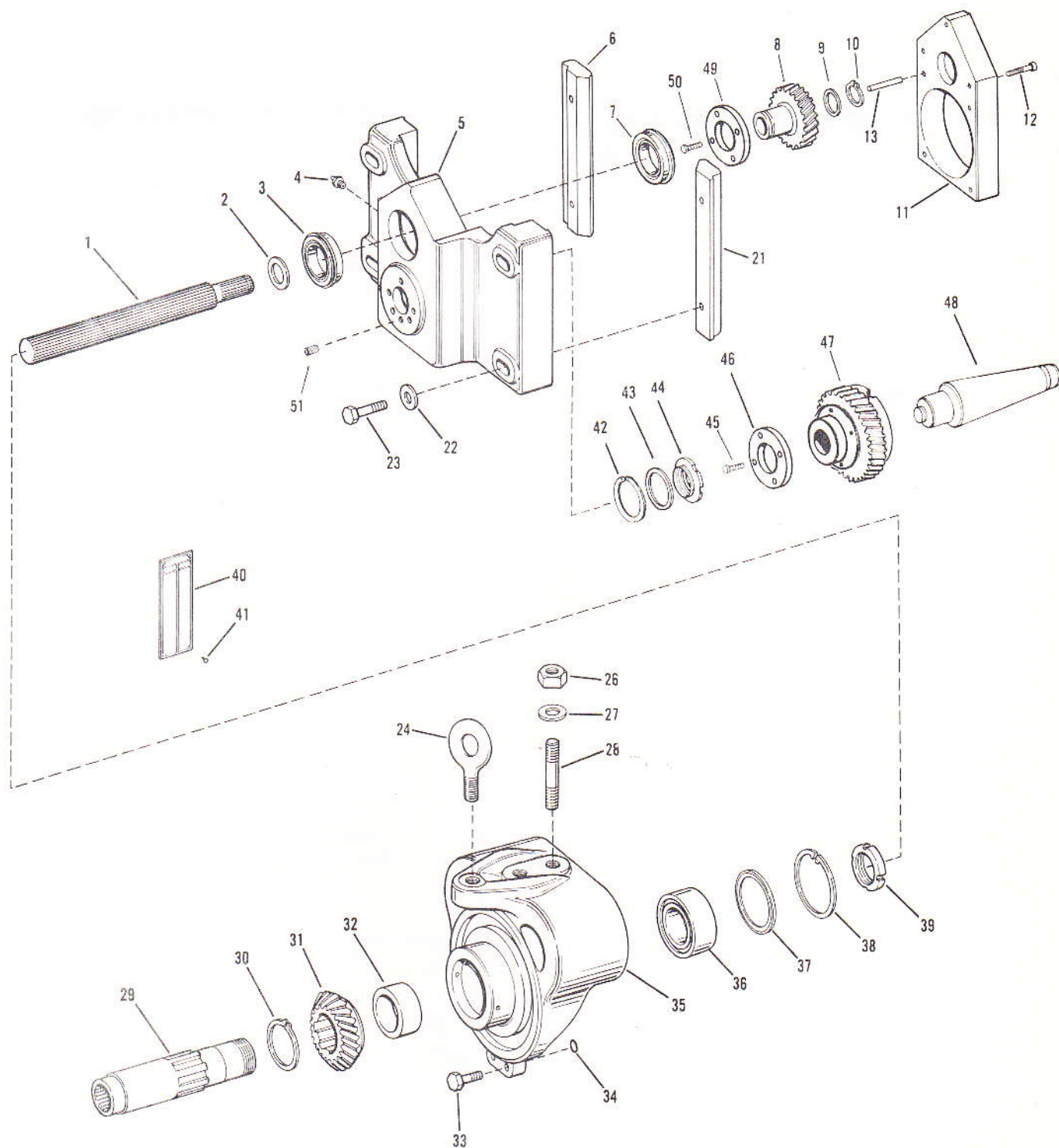


Fig. W Series 5796 - Drive Bracket Unit

Fig. W Series 5796 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.			
Item No.	Part Name and Description	Code No.	Qty.
1	Drive Shaft	AT-W1	1
2	Fitting Washer	AT-W2	1
3	Ball Bearing	AT-W3	1
4	Grease Fitting	AT-W4	1
5	205SA, 205CH Housing . .	AT-W5	1
6	Clamp Bar, L.H.	AT-W6	1
7	Ball Bearing	AT-W7	1
8	205SA, 205CH, 2CH. . .	AT-W8A	1
	25-1500 RPM Gear		
	205SA, 205CH, 2CH. . .	AT-W8B	1
	35-2100 RPM Gear		
9	Fitting Washer	AT-W9	1
10	Retaining Ring	AT-W10	1
11	Housing Cover	AT-W11	1
12	Screw	AT-W12	5
21	Clamp Bar, R.H.	AT-W21	1
22	Washer	AT-W22	4
23	Screw	AT-W23	4
24	Eye Bolt	AT-W24	1
26	Nut	AT-W26	2
27	Washer	AT-W27	2
28	Stud	AT-W28	2
29	Drive Gear Sleeve . . .	AT-W29	1
30	Retaining Ring	AT-W30	1
31	Spiral Bevel Gear	AT-W31	1
32	Gear Spacer	AT-W32	1
33	Screw	AT-W33	2
34	O Ring	AT-W34	2
35	205SA, 205CH Bracket . .	AT-W35	1
36	Ball Bearing	AT-W36	1

Order by Your MACHINE SERIAL No. and This CODE No.			
Item No.	Part Name and Description	Code No.	Qty.
37	Fitting Washer	AT-W37	1
38	Retaining Ring	AT-W38	1
39	Nut	AT-W39	1
40	205SA, 205CH, 2CH. . .	AT-W40A	1
	25-1500 RPM Plate		
	205SA, 205CH, 2CH. . .	AT-W40B	1
	35-2100 RPM Plate		
41	Escutcheon Pin	AT-W41	6
42	Retaining Ring	AT-W42	1
43	Fitting Washer	AT-W43	1
44	Adapter Nut	AT-W44	1
45	Screw	AT-W45	4
	Screw	AT-W45	4
46	Pitch Plate 25-1500 . . .	AT-W46A	1
	Pitch Plate 35-2100 . . .	AT-W46B	1
	Pitch Plate 25-1500 . . .	AT-W46C	1
47	Helical Dr.Gr. 25-1500 . .	AT-W47A	1
	Helical Dr.Gr. 35-2100 . .	AT-W47B	1
	Helical Dr.Gr. 35-2100 . .	AT-W47C	1
48	Adapter Plug	AT-W48	1
49	Pitch Plate 25-1500 . . .	AT-W49A	1
	Pitch Plate 35-2100 . . .	AT-W49B	1
	Pitch Plate 25-1500 . . .	AT-W49C	1
50	Roll Pin	AT-W50	1
	Screw	AT-W50	4
51	Screw	AT-W51	1
52	Plate 25-1500	AT-W52	1



BEVEL GEARS ARE FURNISHED
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Fig. X Series 5796 - Drive Bracket Unit

Fig. X Series 5796 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Drive Shaft	AT-X1	1
2	Spacer	AT-X2	1
3	Ball Bearing	AT-X3	1
4	Grease Fitting	AT-X4	1
5	(A)Housing	AT-X5A	1
	(B)Housing	AT-X5B	1
	(C)Housing	AT-X5C	1
6	Clamp Bar, L.H.	AT-X6	1
7	Ball Bearing	AT-X7	1
8	Helical Driven Gear	AT-X8	1
9	Fitting Washer	AT-X9	1
10	Retaining Ring	AT-X10	1
11	Housing Cover	AT-X11	1
12	Screw	AT-X12	5
13	Dowel	AT-X13	2
21	Clamp Bar, R.H.	AT-X21	1
22	Washer	AT-X22	4
23	Screw	AT-X23	4
24	Eye Bolt	AT-X24	1
26	Nut	AT-X26	2
27	Washer	AT-X27	2
28	(A)Stud	AT-X28A	2
	(B, C)Stud	AT-X28B	2
29	Drive Gear Sleeve	AT-X29	1
30	Retaining Ring	AT-X30	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
31	Spiral Bevel Gear	AT-X31	1
32	Gear Spacer	AT-X32	1
33	Screw	AT-X33	2
34	O Ring	AT-X34	2
35	(A)Bracket	AT-X35A	1
	(B)Bracket	AT-X35B	1
	(C)Bracket	AT-X35C	1
36	Ball Bearing	AT-X36	1
37	Fitting Washer	AT-X37	1
38	Retaining Ring	AT-X38	1
39	Nut	AT-X39	1
40	(D)Spindle Speed Plate	AT-X40A	1
	3CE Spindle Speed Plate	AT-X40B	1
41	Escutcheon Pin	AT-X41	4
42	Retaining Ring	AT-X42	1
43	Fitting Washer	AT-X43	1
44	Adapter Nut	AT-X44	1
45	Screw	AT-X45	4
46	Pitch Plate	AT-X46	1
47	Drive Gear	AT-X47	1
48	Adapter Plug	AT-X48	1
49	Pitch Plate	AT-X49	1
50	Screw	AT-X50	4
51	Screw	AT-X51	1

- (A) For 2K, 2KM, 3H, 3CE, 2CSM(20), 3CSM(20), 2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14, 210TF, 220TF, 310TF, 320TF, 215TF-16, 220TF-16, 315TF-16, 320TF-16
- (B) For 3K, 3KM, 4H, 3CSM(30), 4CSM(30), 3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 315TF, 330TF, 415TF, 430TF, 320TF-17, 330TF-17, 420TF-17, 430TF-17
- (C) For 4K, 5H, 5HM, 4CSM(50), 5CSM(50), 6CSM(50), 4CK, 5CK, 6CK, 425TF, 450TF, 525TF, 550TF, 625TF, 650TF, 430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20
- (D) For 2K, 2KM, 3H, 2CK, 210CH, 3CH, 310CH, 310CH-14, 210TF, 310TF, 3K, 3KM, 4H, 3CK, 315CH, 4CH, 415CH, 415CH-16, 315TF, 415TF

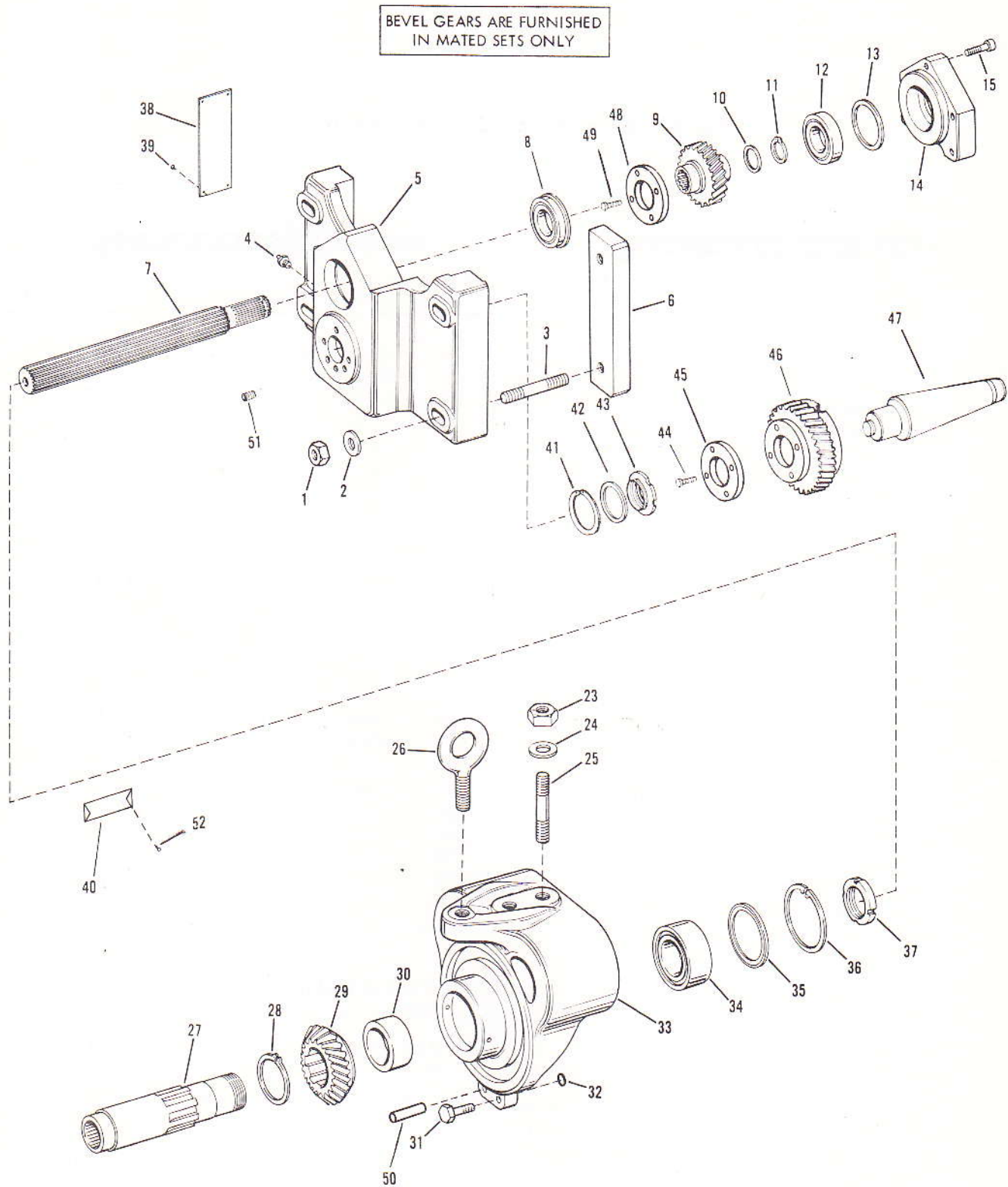


Fig. Y Series 5796 - Drive Bracket Unit

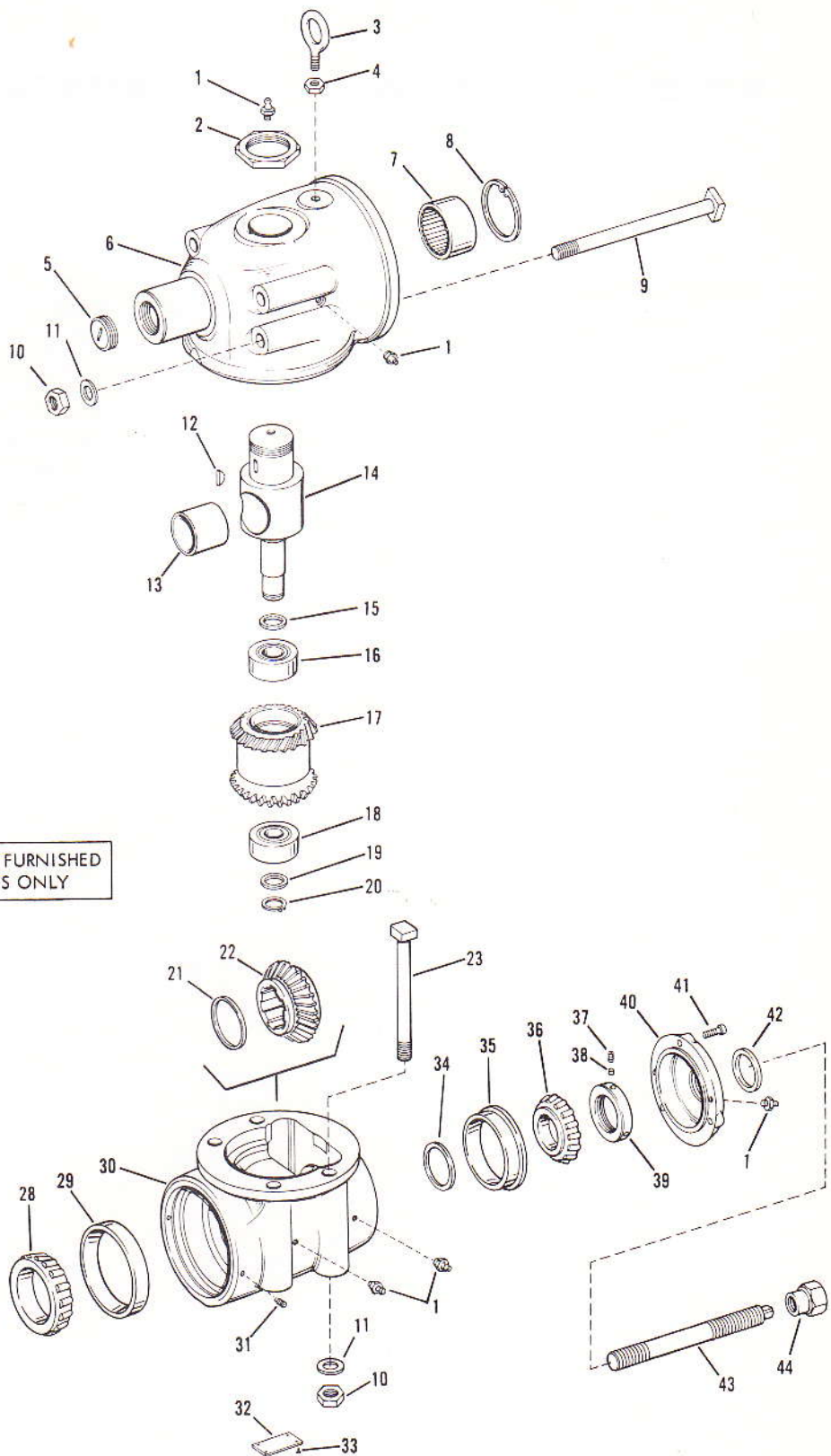
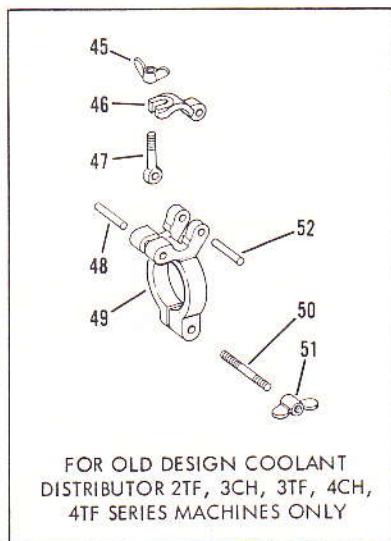
Fig. Y Series 5796 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Nut	AT-Y1	4
2	Washer	AT-Y2	4
3	Stud	AT-Y3	4
4	Grease Fitting	AT-Y4	1
5	S12 Drive Gear Housing	AT-Y5A	1
	S15 Drive Gear Housing	AT-Y5B	1
6	Clamp Bar	AT-Y6	2
7	Drive Shaft	AT-Y7	1
8	Ball Bearing	AT-Y8	1
9	25-2000 RPM Helical	AT-Y9A	1
	Driven Gear		
	20-1600 RPM Helical	AT-Y9B	1
	Driven Gear		
	30-2400 RPM Helical	AT-Y9C	1
	Driven Gear		
10	Fitting Washer	AT-Y10	1
11	Retaining Ring	AT-Y11	1
12	Ball Bearing	AT-Y12	1
13	Fitting Washer	AT-Y13	1
14	Housing Cover	AT-Y14	1
15	Screw	AT-Y15	5
23	Nut	AT-Y23	2
24	Washer	AT-Y24	2
25	S12 Stud	AT-Y25A	2
	S15 Stud	AT-Y25B	2
26	Eye Bolt	AT-Y26	1
27	Drive Gear Sleeve	AT-Y27	1
28	Retaining Ring	AT-Y28	1
29	Spiral Bevel Gear	AT-Y29	1
30	Spacer	AT-Y30	1
31	Screw	AT-Y31	1
32	O Ring	AT-Y32	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
33	S12 Support Bracket	AT-Y33A	1
	S15 Support Bracket	AT-Y33B	1
34	Ball Bearing	AT-Y34	1
35	Fitting Washer	AT-Y35	1
36	Retaining Ring	AT-Y36	1
37	Nut	AT-Y37	1
38	25-2000 RPM Spindle	AT-Y38A	1
	Speed Plate		
	20-1600 RPM Spindle	AT-Y38B	1
	Speed Plate		
39	Escutcheon Pin	AT-Y39	4
40	Speed Warning Plate, Used with 20-1600 RPM Only (Not Shown, Attached to Column)	AT-Y40	1
41	Retaining Ring	AT-Y41	1
42	Fitting Washer	AT-Y42	1
43	Adapter Nut	AT-Y43	1
44	Screw	AT-Y44	4
45	Pitch Plate 25-2000	AT-Y45A	1
	Pitch Plate 20-1600	AT-Y45B	1
	Pitch Plate 30-2400	AT-Y45C	1
46	Helical Dr. Gr. 25-2000	AT-Y46A	1
	Helical Dr. Gr. 20-1600	AT-Y36B	1
	Helical Dr. Gr. 30-2400	AT-Y46C	1
47	Adapter Plug	AT-Y47	1
48	Pitch Plate 25-2000	AT-Y48A	1
	Pitch Plate 20-1600	AT-Y48B	1
49	Pitch Plate 30-2400	AT-Y48C	1
	Screw	AT-Y49	4
50	Dowel	AT-Y50	1
51	Screw	AT-Y51	1
52	Escutcheon Pin	AT-Y52	2



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Fig. Z Series 5111 - Heavy Duty High Speed Universal Milling Head

Fig. Z Series 5III - Heavy Duty High Speed Universal Milling Head

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Grease Fitting	AT-Z1	6
2	Adjusting Nut	AT-Z2	1
3	Eye Bolt	AT-Z3	1
4	Nut	AT-Z4	1
5	Universal Swivel Plug . .	AT-Z5	1
6	Universal Swivel	AT-Z6	1
7	Needle Bearing	AT-Z7	1
8	Retaining Ring	AT-Z8	1
9	T Bolt	AT-Z9	4
10	Nut	AT-Z10	8
11	Washer	AT-Z11	8
12	Key	AT-Z12	1
13	Oil Retainer	AT-Z13	1
14	Gear Support Stud	AT-Z14	1
15	Fitting Washer	AT-Z15	1
16	Ball Bearing	AT-Z16	1
17	Spiral Bevel Gear, Dual .	AT-Z17	1
18	Ball Bearing	AT-Z18	1
19	Fitting Washer	AT-Z19	1
20	Retaining Ring	AT-Z20	1
21	Fitting Washer	AT-Z21	1
22	Spiral Bevel Gear	AT-Z22	1
23	T Bolt	AT-Z23	4
24	Spindle Grease Retainer .	AT-Z24	1
25	Screw	AT-Z25	2
26	Spindle Drive Key	AT-Z26	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
27	Spindle	AT-Z27	1
28	Tapered Roller Bearing Cone	AT-Z28	1
29	Tapered Roller Bearing Cup	AT-Z29	1
30	Spindle Head	AT-Z30	1
31	Dowel Screw	AT-Z31	2
32	Grease Instruction Plate .	AT-Z32	1
33	Drive Screw	AT-Z33	4
34	Thrust Washer	AT-Z34	1
35	Tapered Roller Bearing Cup	AT-Z35	1
36	Tapered Roller Bearing Cone	AT-Z36	1
37	Setscrew	AT-Z37	2
38	Collar Nut Shoe	AT-Z38	2
39	Collar Nut	AT-Z39	1
40	Spindle Head Cap	AT-Z40	1
41	Screw	AT-Z41	3
42	Felt Washer	AT-Z42	1
43	Draw in Bolt	AT-Z43	1
44	Draw Bolt Nut	AT-Z44	1
45	Wing Nut	AT-Z45	1
46	Coolant Distributor Clamp	AT-Z46	1
47	Eye Bolt	AT-Z47	1
48	Eye Bolt Pin	AT-Z48	1
49	Coolant Distributor Support	AT-Z49	1
50	Stud	AT-Z50	1
51	Wing Nut	AT-Z51	1
52	Clamp Pin	AT-Z52	1

Items 45 thru 52 for old design coolant distributor,
2TF, 3CH, 3TF, 4CH, 4TF series machines only.

ATTACHMENTS

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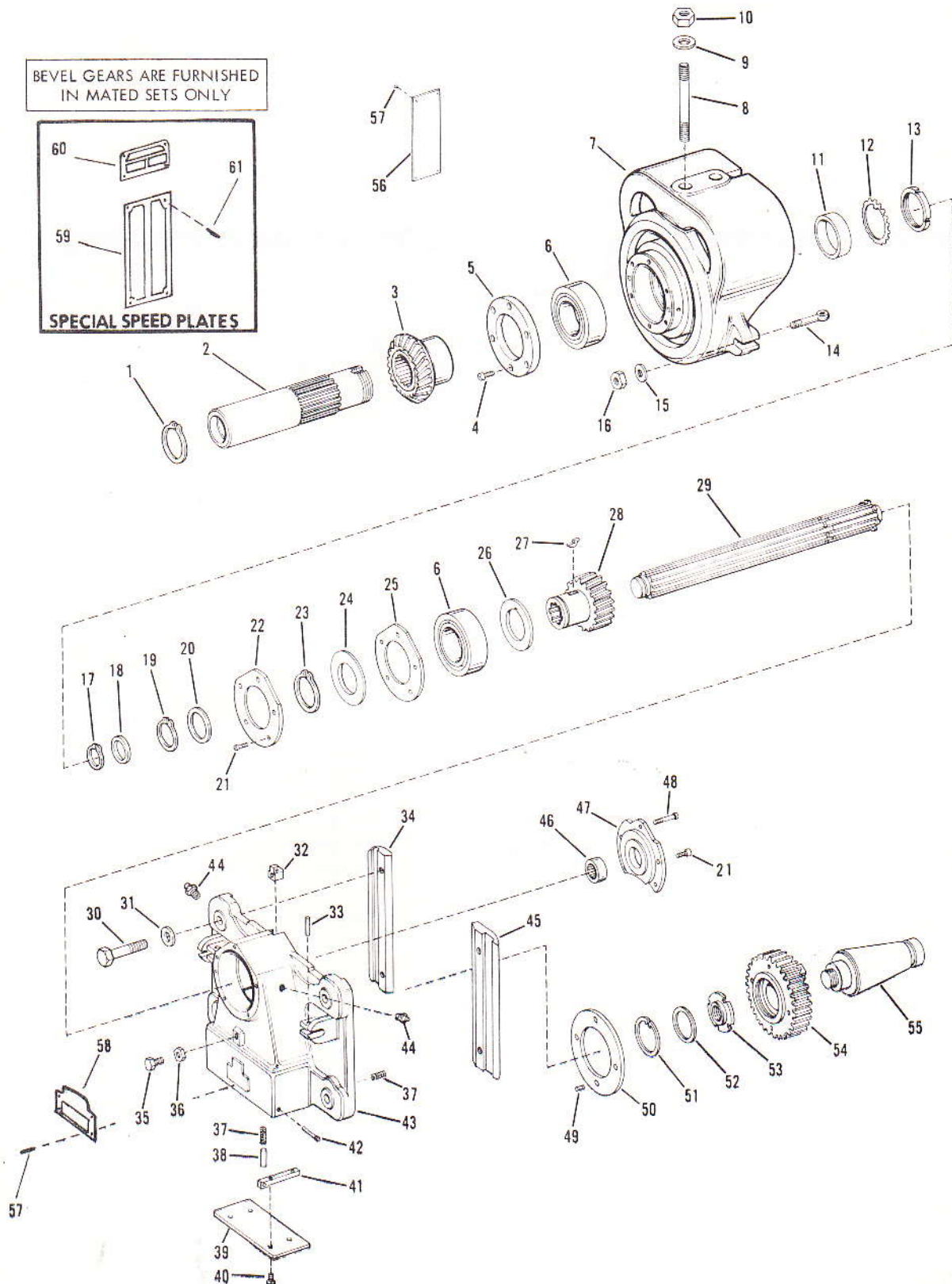
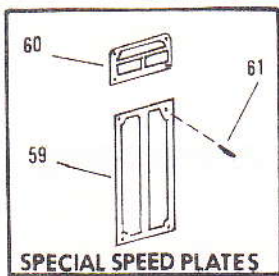


Fig. AA Series 5111 - Drive Bracket Unit

Fig. AA Series 5111 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Retaining Ring	AT-AA1	1
2	Drive Gear Sleeve	AT-AA2	1
3	Spiral Bevel Gear	AT-AA3	1
4	Screw	AT-AA4	6
5	Bearing Retainer	AT-AA5	1
6	Ball Bearing	AT-AA6	2
7	Swivel Support Bracket	AT-AA7	1
8	Stud	AT-AA8	2
9	Washer	AT-AA9	2
10	Nut	AT-AA10	2
11	Bearing Spacer	AT-AA11	1
12	Lockwasher	AT-AA12	1
13	Bearing Locknut	AT-AA13	1
14	Swivel Clamp Bolt	AT-AA14	2
15	Washer	AT-AA15	2
16	Nut	AT-AA16	2
17	Retaining Ring	AT-AA17	1
18	Fitting Washer	AT-AA18	1
19	Retaining Ring	AT-AA19	1
20	Fitting Washer	AT-AA20	1
21	Screw	AT-AA21	9
22	Oil Retainer	AT-AA22	1
23	Retaining Ring	AT-AA23	1
24	Housing Oil Slinger	AT-AA24	1
25	Bearing Retainer	AT-AA25	1
26	Gear Spacer	AT-AA26	1
27	Spacer Key	AT-AA27	1
28	Helical Driven Gear	AT-AA28	1
29	Drive Shaft	AT-AA29	1
30	Screw	AT-AA30	4
31	Washer	AT-AA31	4
32	Chain Anchor Block	AT-AA32	1
33	Dowel	AT-AA33	2
34	Clamp Bar, L.H.	AT-AA34	1
35	Stop Screw	AT-AA35	1
36	Nut	AT-AA36	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
37	Spring	AT-AA37	6
38	Plunger Pin	AT-AA38	2
39	Housing Door	AT-AA39	1
40	Screw	AT-AA40	4
41	Housing Door Hinge	AT-AA41	2
42	Dowel Screw	AT-AA42	2
43	Drive Gear Housing	AT-AA43	1
44	Grease Fitting	AT-AA44	2
45	Clamp Bar, R. H.	AT-AA45	1
46	Needle Bearing	AT-AA46	1
47	Bearing Retainer	AT-AA47	1
48	Shoulder Screw	AT-AA48	1
49	Stud	AT-AA49	4
50	Gear Spacer	AT-AA50	1
51	Retaining Ring	AT-AA51	1
52	Washer	AT-AA52	1
53	Adapter Plug Nut	AT-AA53	1
54	Helical Drive Gear	AT-AA54	1
55	Adapter Plug	AT-AA55	1
56	Spindle Speed Plate, ... 15-1500 RPM	AT-AA56A	1
	Spindle Speed Plate, ... 50-1250 RPM	AT-AA56B	1
57	Escutcheon Pin	AT-AA57	10
58	Serial Number Plate	AT-AA58	1
59	Special Speed Instr. Plate	AT-AA59A	1
	Spec. Speed Instr. Plate	AT-AA59B	1
60	Spec. Spd. Instr. Plate	AT-AA60A	1
	Spec. Spd. Instr. Plate	AT-AA60B	1
61	Escutcheon Pin	AT-AA61	8

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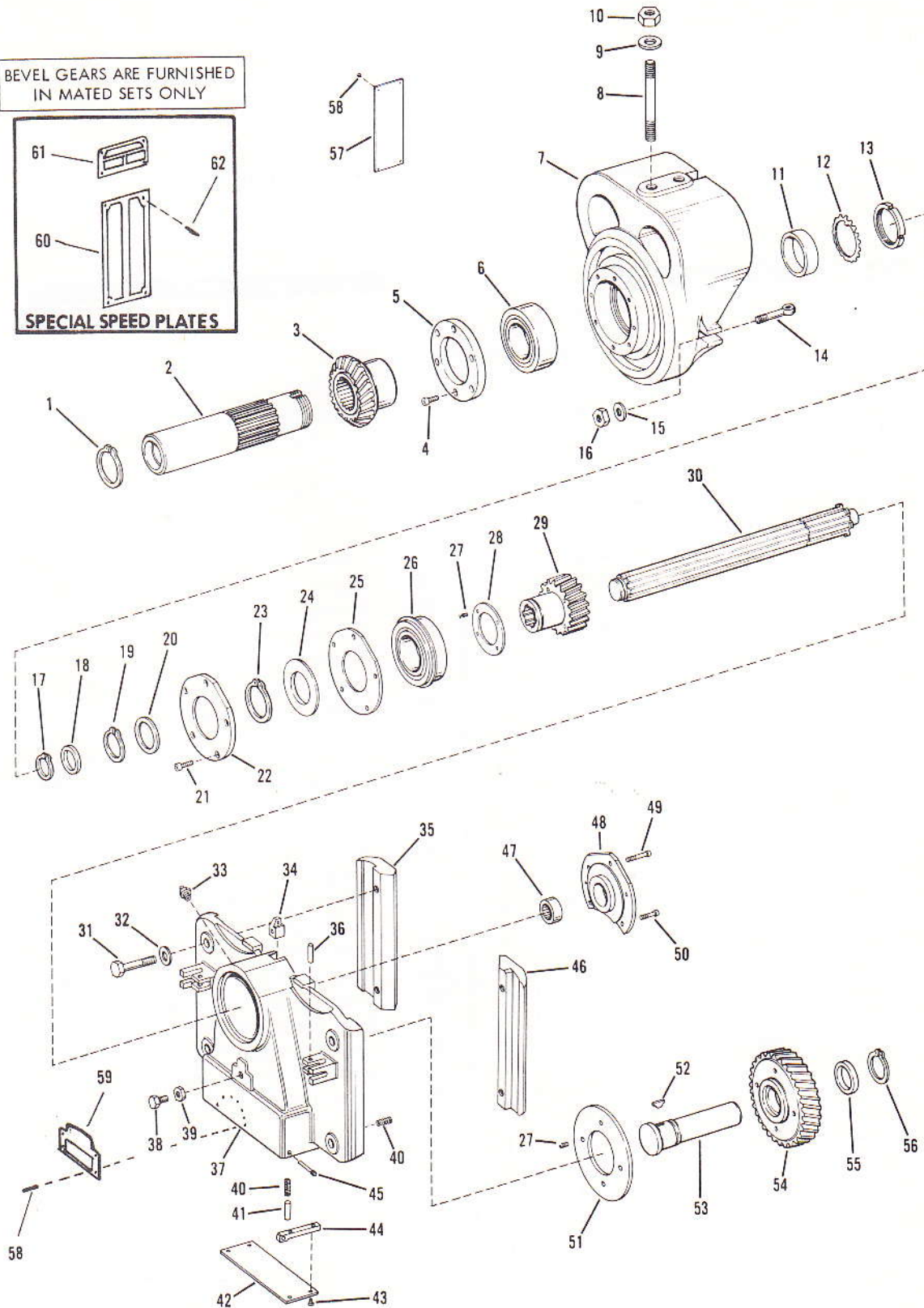
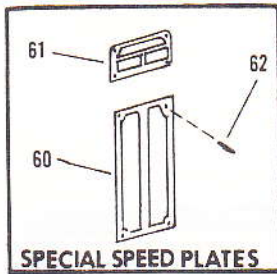


Fig. AB Series 5111 - Drive Bracket Unit

Fig. AB Series 5111 - Drive Bracket Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Retaining Ring	AT-AB1	1
2	Drive Gear Sleeve	AT-AB2	1
3	Spiral Bevel Gear	AT-AB3	1
4	Screw	AT-AB4	6
5	Bearing Retainer	AT-AB5	1
6	Ball Bearing	AT-AB6	1
7	Swivel Support Bracket.	AT-AB7	1
8	Stud	AT-AB8	2
9	Washer	AT-AB9	2
10	Nut	AT-AB10	2
11	Bearing Spacer	AT-AB11	1
12	Bearing Lockwasher	AT-AB12	1
13	Bearing Locknut	AT-AB13	1
14	Swivel Clamp Bolt	AT-AB14	2
15	Washer	AT-AB15	2
16	Nut	AT-AB16	2
17	Retaining Ring	AT-AB17	1
18	Fitting Washer	AT-AB18	1
19	Retaining Ring	AT-AB19	1
20	Fitting Washer	AT-AB20	1
21	Screw	AT-AB21	5
22	Oil Retainer	AT-AB22	1
23	Retaining Ring	AT-AB23	1
24	Housing Oil Slinger	AT-AB24	1
25	Bearing Retainer	AT-AB25	1
26	Ball Bearing	AT-AB26	1
27	Stud	AT-AB27	8
28	Gear Spacer	AT-AB28	1
29	Helical Driven Gear	AT-AB29	1
30	Drive Shaft	AT-AB30	1
31	Screw	AT-AB31	4
32	Washer	AT-AB32	4
33	Grease Fitting	AT-AB33	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
34	Chain Anchor Block	AT-AB34	1
35	Clamp Bar, L.H.	AT-AB35	1
36	Dowel	AT-AB36	2
37	Drive Gear Housing	AT-AB37	1
38	Stop Screw	AT-AB38	1
39	Nut	AT-AB39	1
40	Spring	AT-AB40	6
41	Plunger Pin	AT-AB41	2
42	Housing Door	AT-AB42	1
43	Screw	AT-AB43	4
44	Housing Door Hinge	AT-AB44	2
45	Dowel Screw	AT-AB45	2
46	Clamp Bar, R.H.	AT-AB46	1
47	Needle Bearing	AT-AB47	1
48	Bearing Retainer	AT-AB48	1
49	Shoulder Screw	AT-AB49	1
50	Screw	AT-AB50	4
51	Gear Spacer	AT-AB51	1
52	Key	AT-AB52	1
53	Gear Extension	AT-AB53	1
54	Helical Drive Gear	AT-AB54	1
55	Fitting Washer	AT-AB55	1
56	Retaining Ring	AT-AB56	1
57	15-1500 RPM Plate	AT-AB57A	1
	20-2000 RPM Plate	AT-AB57B	1
	50-1250 RPM Plate	AT-AB57C	1
58	Escutcheon Pin	AT-AB58	10
59	Serial Number Plate	AT-AB59	1
60	Spec. Speed Plate	AT-AB60A	1
	Spec. Speed Plate	AT-AB60B	1
61	Spec. Instr. Plate	AT-AB61A	1
	Spec. Instr. Plate	AT-AB61B	1
62	Escutcheon Pin	AT-AB62	8

ATTACHMENTS

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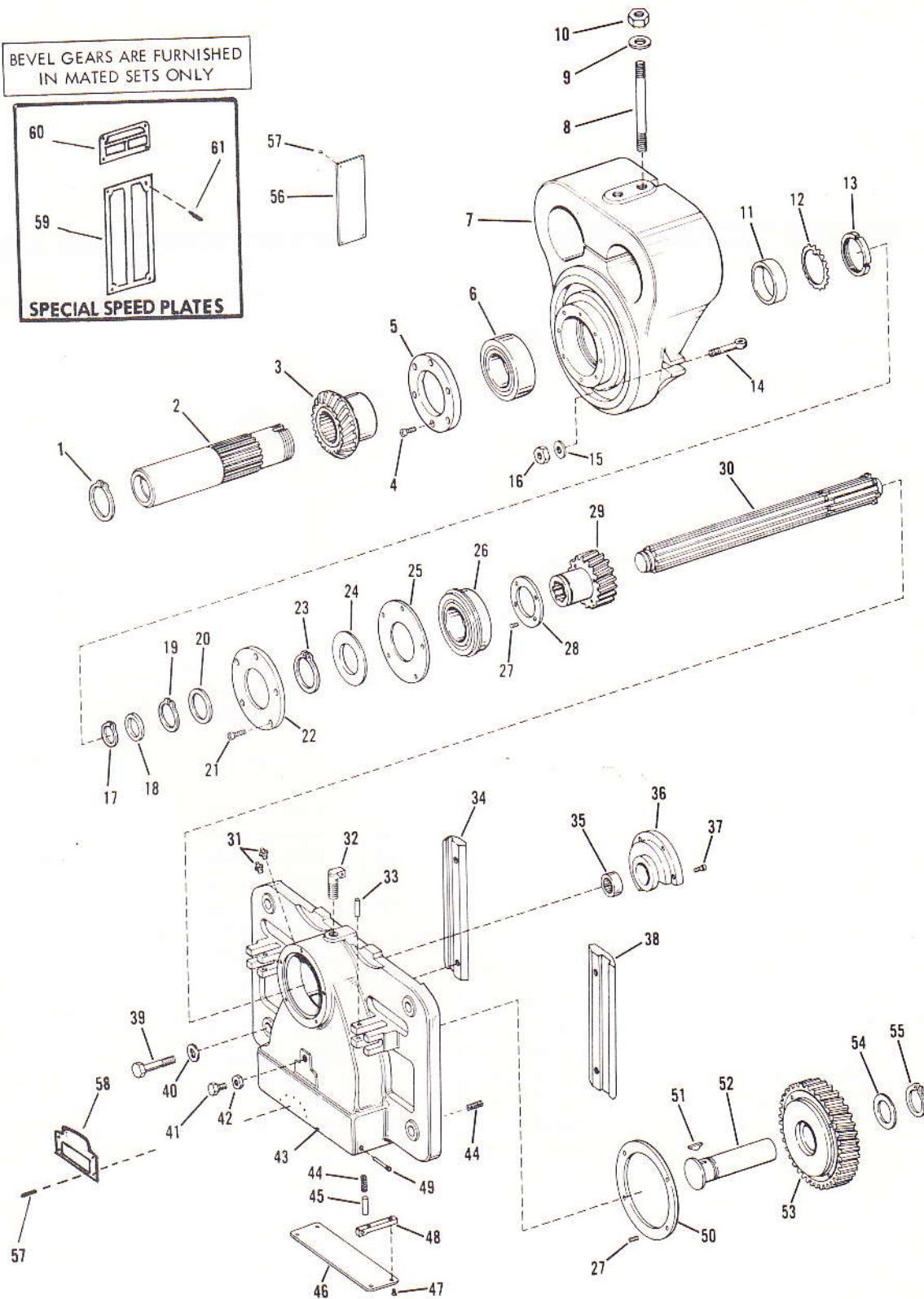
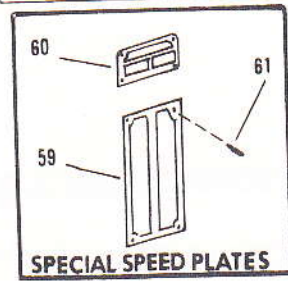


Fig. AC Series 5111- Drive Bracket Unit

Fig. AC Series 5111 - Drive Bracket Unit
Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Retaining Ring	AT-AC1	1
2	Drive Gear Sleeve	AT-AC2	1
3	Spiral Bevel Gear	AT-AC3	1
4	Screw	AT-AC4	6
5	Bearing Retainer	AT-AC5	1
6	Ball Bearing	AT-AC6	1
7	Swivel Support Bracket	AT-AC7	1
8	Stud	AT-AC8	2
9	Washer	AT-AC9	2
10	Nut	AT-AC10	2
11	Bearing Spacer	AT-AC11	1
12	Lockwasher	AT-AC12	1
13	Bearing Locknut	AT-AC13	1
14	Swivel Clamp Bolt	AT-AC14	2
15	Washer	AT-AC15	2
16	Nut	AT-AC16	2
17	Retaining Ring	AT-AC17	1
18	Fitting Washer	AT-AC18	1
19	Retaining Ring	AT-AC19	1
20	Fitting Washer	AT-AC20	1
21	Screw	AT-AC21	5
22	Oil Retainer	AT-AC22	1
23	Retaining Ring	AT-AC23	1
24	Oil Slinger	AT-AC24	1
25	Bearing Retainer	AT-AC25	1
26	Ball Bearing	AT-AC26	1
27	Stud	AT-AC27	8
28	Gear Spacer	AT-AC28	1
29	Helical Driven Gear	AT-AC29	1
30	Drive Shaft	AT-AC30	1
31	Grease Fitting	AT-AC31	2
32	Lift Stud	AT-AC32	1
33	Dowel	AT-AC33	2
34	Clamp Bar, L. H.	AT-AC34	1
35	Needle Bearing	AT-AC35	1
36	Bearing Retainer	AT-AC36	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
37	Screw	AT-AC37	4
38	Clamp Bar, R.H.	AT-AC38	1
39	Screw	AT-AC39	4
40	Washer	AT-AC40	4
41	Stop Screw	AT-AC41	1
42	Nut	AT-AC42	1
43	Drive Gear Housing	AT-AC43	1
44	Spring	AT-AC44	6
45	Plunger Pin	AT-AC45	2
46	Housing Door	AT-AC46	1
47	Screw	AT-AC47	4
48	Housing Door Hinge	AT-AC48	2
49	Dowel Screw	AT-AC49	2
50	Gear Spacer	AT-AC50	1
51	Key	AT-AC51	1
52	Gear Extension	AT-AC52A	1
	Extension, 50-60 Taper	AT-AC52B	1
	Spindle		
53	Drive Gear	AT-AC53A	1
	Drive Gear, 50-60 Taper	AT-AC53B	1
	Spindle		
54	Fitting Washer	AT-AC54	1
55	Retaining Ring	AT-AC55	1
56	13-1300 RPM Plate	AT-AC56A	1
	50-1250 RPM Plate	AT-AC56B	1
	15-1500 RPM, 23-2300	AT-AC56C	1
	RPM Speed Plate		
57	Escutcheon Pin	AT-AC57	10
58	Serial No. Plate	AT-AC58	1
59	Spec. Speed Plate	AT-AC59A	1
	(13-1300 RPM)		
	Spec. Speed Plate	AT-AC59B	1
	(50-1250 RPM)		
60	Spec. Instr. Plate	AT-AC60A	1
	Spec. Instr. Plate	AT-AC60B	1
61	Escutcheon Pin	AT-AC61	8

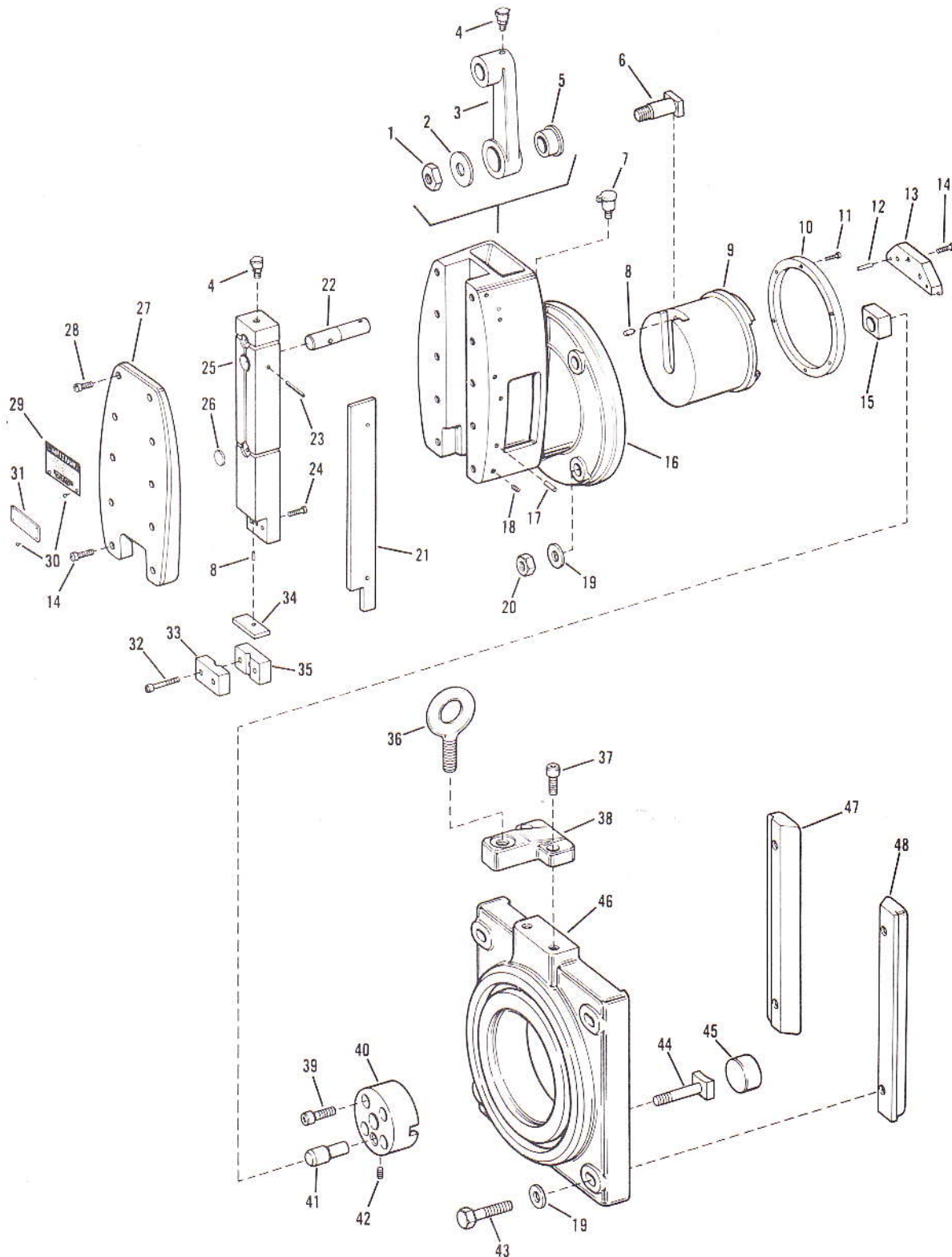


Fig. AD Series 5770- Slotting Head and Drive Bracket

Fig. AD Series 5770- Slotting Head and Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Nut	AT-AD1	1
2	Washer	AT-AD2	1
3	Crank	AT-AD3	1
4	Oiler	AT-AD4	1
5	Crank Bearing	AT-AD5	1
6	Bearing Stud	AT-AD6	1
7	Oiler	AT-AD7	1
8	Dowel	AT-AD8	2
9	Drive Carrier	AT-AD9	1
10	Carrier Retainer	AT-AD10	1
11	Screw	AT-AD11	6
12	Dowel	AT-AD12	2
13	Drive Block Retainer	AT-AD13	1
14	Screw	AT-AD14	11
15	Drive Block	AT-AD15	1
16	Slotting Head	AT-AD16	1
17	Dowel	AT-AD17	2
18	Setscrew	AT-AD18	6
19	Washer	AT-AD19	8
20	Nut	AT-AD20	4
21	Slotting Ram Gib	AT-AD21	1
22	Crank Pin	AT-AD22	1
23	Roll Pin	AT-AD23	1
24	Screw	AT-AD24	1
25	Slotting Ram	AT-AD25	1
26	Oil Pad	AT-AD26	2
27	Head Cover	AT-AD27	1
28	Screw	AT-AD28	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
29	Instruction Plate	AT-AD29	1
30	Drive Screw	AT-AD30	8
31	Warning Plate	AT-AD31	1
32	Screw	AT-AD32	2
33	Outer V Block	AT-AD33	1
34	Back Stop	AT-AD34	1
35	Inner V Block	AT-AD35	1
36	Eye Bolt	AT-AD36	1
37	Screw	AT-AD37	2
38	Eye Bolt Bracket	AT-AD38	1
39	(A)Screw	AT-AD39A	4
	(B,C)Screw	AT-AD39B	4
40	(A)Drive Collar	AT-AD40A	1
	(B,C)Drive Collar	AT-AD40B	1
41	(A)Drive Pin	AT-AD41A	1
	(B,C)Drive Pin	AT-AD41B	1
42	(A)Setscrew	AT-AD42A	1
	(B,C)Setscrew	AT-AD42B	1
43	Screw	AT-AD43	4
44	T Bolt	AT-AD44	4
45	Plug	AT-AD45	1
46	(A,C)Swivel Base	AT-AD46A	1
	(B)Swivel Base	AT-AD46B	1
47	(A,C)Clamp Bar, L.H.	AT-AD47A	1
	(B)Clamp Bar, L.H.	AT-AD47B	1
48	(A,C)Clamp Bar, R.H.	AT-AD48A	1
	(B)Clamp Bar, R.H.	AT-AD48B	1

- (A) For 1E, 2E, 2CE, 1H, 2HL, 1CH, 103CH, 2CHL, 203CH, 12"1H, 18"1H, 18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP
 (B) For 2H, 18"2H, 24"2H, 2CH, 205CH, 205SA
 (C) For 2CE-CVA

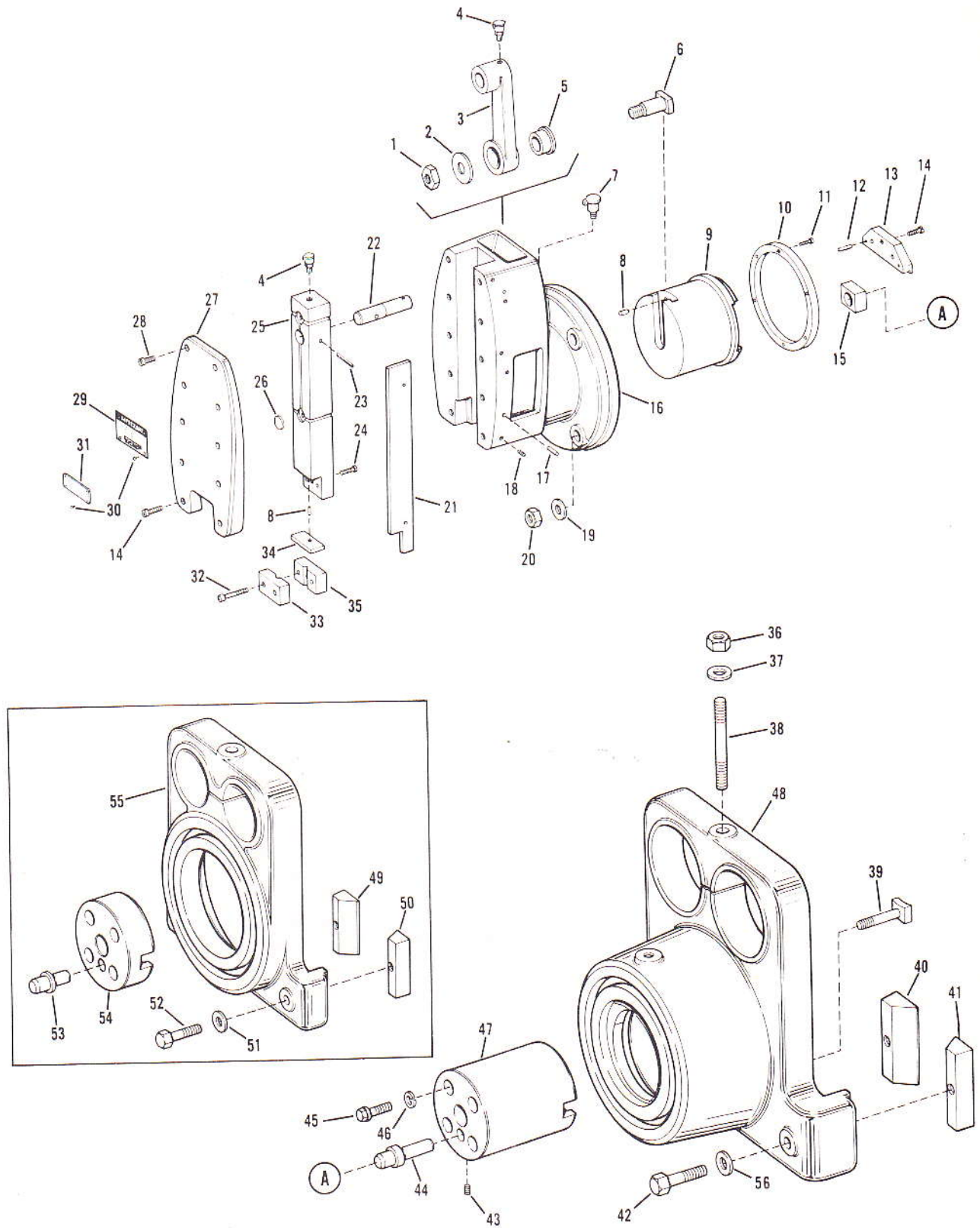


Fig. AE Series 5770- Slotting Head and Drive Bracket

Fig. AE Series 5770- Slotting Head and Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Nut	AT-AE1	1
2	Washer	AT-AE2	1
3	Crank	AT-AE3	1
4	Oiler	AT-AE4	1
5	Crank Bearing	AT-AE5	1
6	Bearing Stud	AT-AE6	1
7	Oiler	AT-AE7	1
8	Dowel	AT-AE8	2
9	Drive Carrier	AT-AE9	1
10	Carrier Retainer	AT-AE10	1
11	Screw	AT-AE11	6
12	Dowel	AT-AE12	2
13	Drive Block Retainer	AT-AE13	1
14	Screw	AT-AE14	11
15	Drive Block	AT-AE15	1
16	Slotting Head	AT-AE16	1
17	Dowel	AT-AE17	2
18	Setscrew	AT-AE18	6
19	Washer	AT-AE19	4
20	Nut	AT-AE20	4
21	Slotting Ram Gib	AT-AE21	1
22	Crank Pin	AT-AE22	1
23	Roll Pin	AT-AE23	1
24	Screw	AT-AE24	1
25	Slotting Ram	AT-AE25	1
26	Oil Pad	AT-AE26	2
27	Head Cover	AT-AE27	1
28	Screw	AT-AE28	2
29	Instruction Plate	AT-AE29	1
30	Drive Screw	AT-AE30	8
31	Warning Plate	AT-AE31	1
32	Screw	AT-AE32	2
33	Outer V-Block	AT-AE33	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
34	Back Stop	AT-AE34	1
35	Inner V-Block	AT-AE35	1
36	Nut	AT-AE36	1
37	Washer	AT-AE37	1
38	(A) Stud	AT-AE38A	1
	(B) Stud	AT-AE38B	1
	(C) Stud	AT-AE38C	1
39	T Bolt	AT-AE39	4
40	(B) Clamp Bar, L.H.	AT-AE40A	1
	(C) Clamp Bar, L.H.	AT-AE40B	1
41	(B) Clamp Bar, R.H.	AT-AE41A	1
	(C) Clamp Bar, R.H.	AT-AE41B	1
42	(B) Screw	AT-AE42A	2
	(C) Screw	AT-AE42B	2
43	(A, B) Setscrew	AT-AE43A	1
	(C) Setscrew	AT-AE43B	1
44	(C) Crank Pin	AT-AE44	1
45	Screw	AT-AE45	4
46	Lockwasher	AT-AE46	4
47	(C) Drive Collar	AT-AE47	1
48	(C) Swivel Base	AT-AE48	1
49	(A) Clamp Bar, L.H.	AT-AE49	1
50	(A) Clamp Bar, R.H.	AT-AE50	1
51	(A) Washer	AT-AE51	2
52	(A) Screw	AT-AE52	2
53	(A) Crank Pin	AT-AE53A	1
	(B) Crank Pin	AT-AE53B	1
54	(A) Drive Collar	AT-AE54A	1
	(B) Drive Collar	AT-AE54B	1
55	(A) Swivel Base	AT-AE55A	1
	(B) Swivel Base	AT-AE55B	1
56	(B, C) Washer	AT-AE56	2

(A) For 2K, 2KM, 3H, 3CE, 2CSM(20), 3CSM(20), 2CK, 210CH, 210CH-14, 310CH-14, 3CH, 310CH, 210TF, 220TF, 310TF, 320TF, 215TF-16, 220TF-16, 315TF-16, 320TF-16

(B) For 3K, 3KM, 4H, 3CSM(30), 4CSM(30), 3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 315TF, 330TF, 415TF, 430TF, 320TF-17, 330TF-17, 420TF-17, 430TF-17

(C) For 4K, 5H, 5HM, 4CSM(50), 5CSM(50), 6CSM(50), 4CK, 5CK, 6CK, 425TF, 450TF, 525TF, 550TF, 625TF, 650TF, 430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20

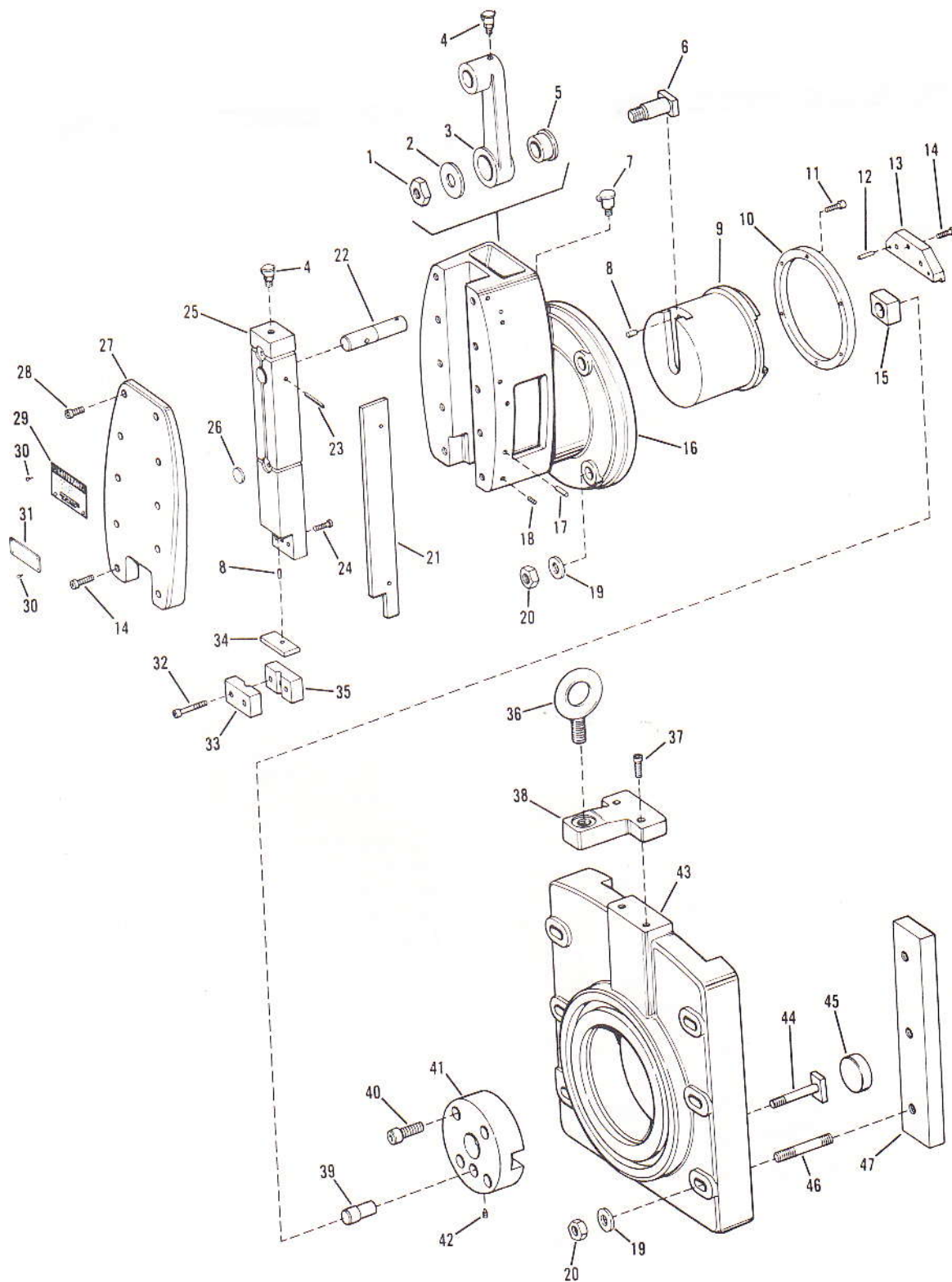


Fig. AF Series 5770- Slotting Head and Drive Bracket

Fig. AF Series 5770- Slotting Head and Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Nut	AT-AF1	2
2	Washer	AT-AF2	1
3	Crank	AT-AF3	1
4	Oiler	AT-AF4	2
5	Crank Bearing	AT-AF5	1
6	Bearing Stud	AT-AF6	1
7	Oiler	AT-AF7	1
8	Dowel	AT-AF8	2
9	Drive Carrier	AT-AF9	1
10	Carrier Retainer	AT-AF10	1
11	Screw	AT-AF11	6
12	Dowel Pin	AT-AF12	2
13	Drive Block Retainer	AT-AF13	1
14	Screw	AT-AF14	11
15	Drive Block	AT-AF15	1
16	Slotting Head	AT-AF16	1
17	Dowel	AT-AF17	2
18	Setscrew	AT-AF18	6
19	Washer	AT-AF19	10
20	Nut	AT-AF20	10
21	Slotting Ram Gib	AT-AF21	1
22	Crank Pin	AT-AF22	1
23	Roll Pin	AT-AF23	1
24	Screw	AT-AF24	1
25	Slotting Ram	AT-AF25	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
26	Oil Pad	AT-AF26	2
27	Head Cover	AT-AF27	1
28	Screw	AT-AF28	2
29	Instruction Plate	AT-AF29	1
30	Drive Screw	AT-AF30	8
31	Warning Plate	AT-AF31	1
32	Screw	AT-AF32	2
33	Outer V Block	AT-AF33	1
34	Back Stop	AT-AF34	1
35	Inner V Block	AT-AF35	1
36	Eye Bolt	AT-AF36	1
37	Screw	AT-AF37	2
38	Eye Bolt Bracket	AT-AF38	1
39	Drive Pin	AT-AF39	1
40	Screw	AT-AF40	4
41	Drive Collar	AT-AF41	1
42	Setscrew	AT-AF42	1
43	Swivel Base, S-12	AT-AF43A	1
	Swivel Base, S-15	AT-AF43B	1
44	T Bolt	AT-AF44	4
45	Plug	AT-AF45	1
46	Stud, S-12	AT-AF46A	6
	Stud, S-15	AT-AF46B	6
47	Clamp Bar	AT-AF47	2

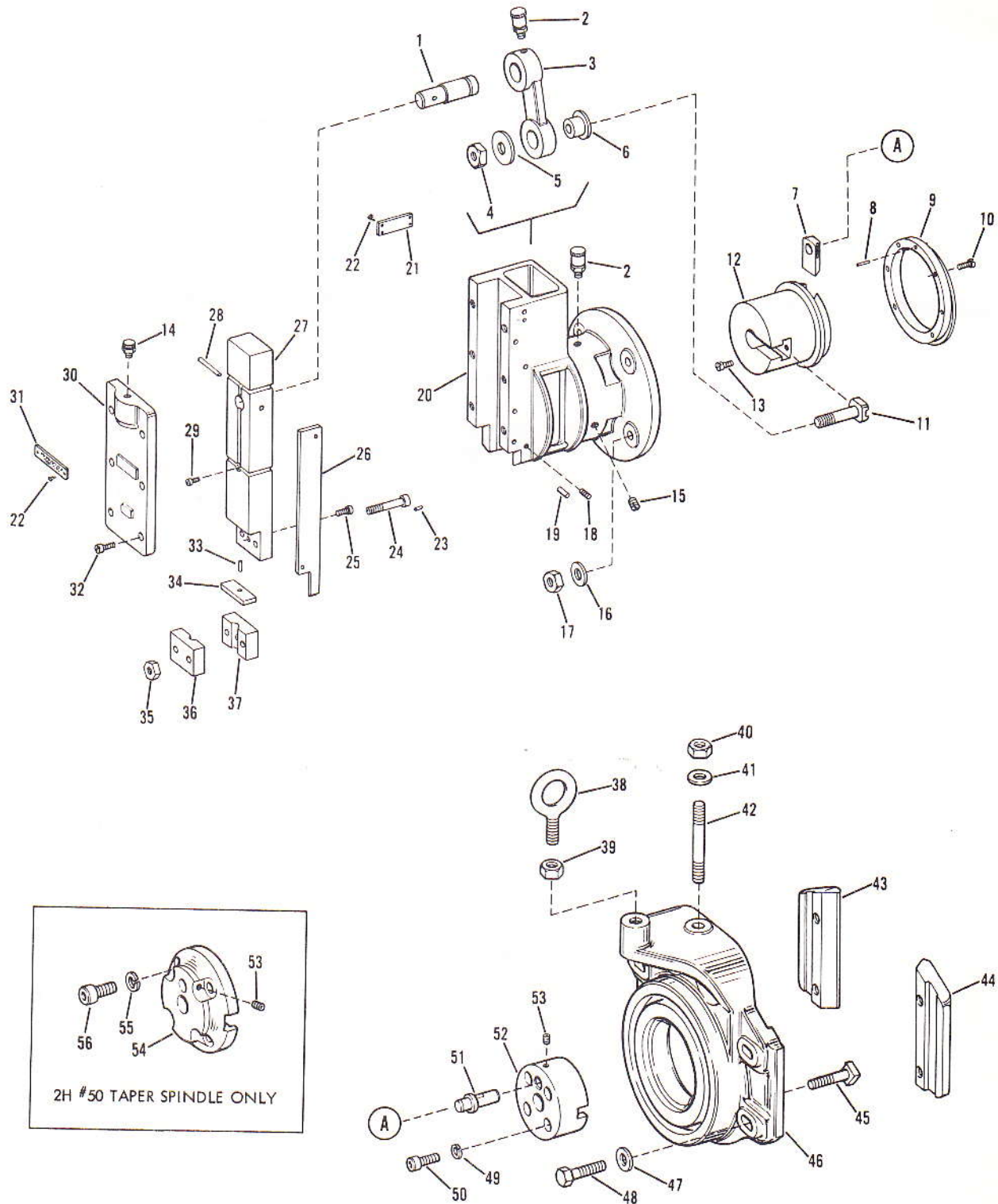


Fig. AG Series 4034 - Slotting Head and Drive Bracket

Fig. AG Series 4034 - Slotting Head and Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Drive Pin	AT-AG1	1
2	Oil Cup	AT-AG2	2
3	Connecting Rod	AT-AG3	1
4	Nut	AT-AG4	1
5	Washer	AT-AG5	1
6	Bushing	AT-AG6	1
7	Drive Block	AT-AG7	1
8	Dowel	AT-AG8	1
9	Retaining Ring	AT-AG9	1
10	Screw	AT-AG10	6
11	Crank Bolt	AT-AG11	1
12	Crank Block	AT-AG12	1
13	Screw	AT-AG13	1
14	Slide Cover Oil Cup	AT-AG14	1
15	Pipe Plug	AT-AG15	2
16	T Bolt Washer	AT-AG16	4
17	T Bolt Nut	AT-AG17	4
18	Gib Adj. Setscrew	AT-AG18	5
19	Dowel	AT-AG19	2
20	Slotting Head	AT-AG20	1
21	Oil Plate	AT-AG21	1
22	Oil Plate Pin	AT-AG22	6
23	Gib Pin	AT-AG23	2
24	Ram Bolt	AT-AG24	2
25	V Block Screw	AT-AG25	1
26	Slotting Ram Gib	AT-AG26	1
27	Slotting Ram	AT-AG27	1
28	Ram Taper Pin	AT-AG28	1
29	Ram Screw	AT-AG29	1
30	Ram Slide Cover	AT-AG30	1
31	Speed Warning Plate	AT-AG31	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
32	Cover Screw	AT-AG32	6
33	Back Stop Pin	AT-AG33	1
34	Back Stop	AT-AG34	1
35	Ram Bolt Nut	AT-AG35	2
36	Outer V Block	AT-AG36	1
37	Inner V Block	AT-AG37	1
38	Eye Bolt	AT-AG38	1
39	Eye Bolt Nut	AT-AG39	1
40	Stud Nut	AT-AG40	1
41	Stud Washer	AT-AG41	1
42	(A) Overarm Clamping Stud	AT-AG42A	1
	(B) Overarm Clamping Stud	AT-AG42B	1
43	Clamp Bar, L.H.	AT-AG43	1
44	Clamp Bar, R.H.	AT-AG44	1
45	T Bolt	AT-AG45	4
46	(A) Swivel Base	AT-AG46A	1
	(B) Swivel Base	AT-AG46B	1
47	(A) Base Mounting Washer	AT-AG47A	4
	(B) Base Mounting Washer	AT-AG47B	4
48	Base Mounting Screw	AT-AG48	4
49	Collar Lockwasher	AT-AG49	4
50	Collar Screw	AT-AG50	4
51	Crank Pin	AT-AG51	1
52	Drive Collar	AT-AG52	1
53	Collar Setscrew	AT-AG53	1
54	Drive Collar, #50	AT-AG54	1
	Taper Spindle		
55	Lockwasher, #50	AT-AG55	4
	Taper Spindle		
56	Screw, #50 Taper Spindle	AT-AG56	4

(A) For 1E, 2E, 2CE, 2CE-CVA, 1H, 2HL, 1CH, 103CH, 2CHL, 203CH, 12"1H, 18"H, 18AC, 18CH, 103CHP, 24AC, 24CH, 203CHP

(B) For 2H, 18"2H, 24"2H, 2CH, 205CH, 205SA

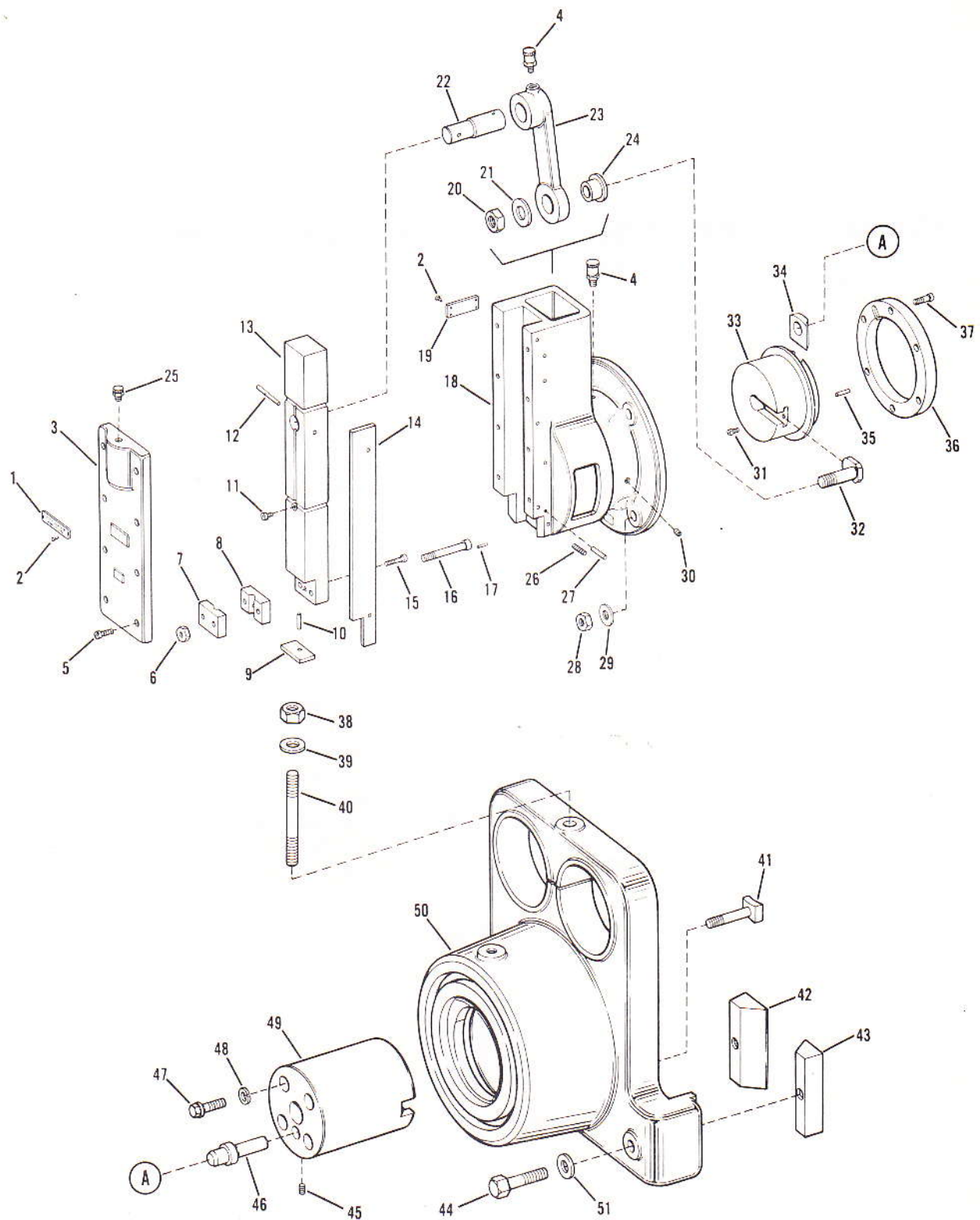


Fig. AH Series 4033 - Slotting Head and Drive Bracket

Fig. AH Series 4033 - Slotting Head and Drive Bracket

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Speed Warning Plate . . .	AT-AH1	1
2	Escutcheon Pin	AT-AH2	6
3	Ram Slide Cover	AT-AH3	1
4	Oil Cup	AT-AH4	2
5	Cover Screw	AT-AH5	8
6	Block Nut	AT-AH6	2
7	Outer V Block	AT-AH7	1
8	Inner V Block	AT-AH8	1
9	Back Stop	AT-AH9	1
10	Back Stop Pin	AT-AH10	1
11	Ram Screw	AT-AH11	1
12	Taper Pin	AT-AH12	1
13	Slotting Ram	AT-AH13	1
14	Slotting Ram Gib	AT-AH14	1
15	Ram Screw	AT-AH15	1
16	Ram Bolt	AT-AH16	2
17	Ram Pin	AT-AH17	2
18	(A)Slotting Head	AT-AH18A	1
	(B)Slotting Head	AT-AH18B	1
19	Oil Plate	AT-AH19	1
20	Crank Bolt Nut	AT-AH20	1
21	Crank Bolt Washer	AT-AH21	1
22	Drive Pin	AT-AH22	1
23	(A)Connecting Rod	AT-AH23A	1
	(B)Connecting Rod	AT-AH23B	1
24	Crank Bushing	AT-AH24	1
25	Slide Cover Oil Cup	AT-AH25	1
26	Gib Setscrew	AT-AH26	6
27	Gib Dowel	AT-AH27	2
28	T Bolt Nut	AT-AH28	4
29	T Bolt Washer	AT-AH29	4
30	Pipe Plug	AT-AH30	2
31	Crank Block Screw	AT-AH31	1
32	(A)Crank Bolt	AT-AH32A	1
	(B)Crank Bolt	AT-AH32B	1
33	(A)Crank Block	AT-AH33A	1
	(B)Crank Block	AT-AH33B	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
34	Driving Block	AT-AH34	1
35	Pin	AT-AH35	1
36	Slotting Head Ring	AT-AH36	1
37	Ring Screw	AT-AH37	6
38	Stud Nut	AT-AH38	1
39	Stud Washer	AT-AH39	1
40	(C)Overarm Clamping Stud	AT-AH40A	1
	(D)Overarm Clamping Stud	AT-AH40B	1
	(E)Overarm Clamping Stud	AT-AH40C	1
41	T Bolt	AT-AH41	4
42	(C)Clamp Bar L.H.	AT-AH42A	1
	(D)Clamp Bar L.H.	AT-AH42B	1
	(E)Clamp Bar L.H.	AT-AH42C	1
43	(C)Clamp Bar R.H.	AT-AH43A	1
	(D)Clamp Bar R.H.	AT-AH43B	1
	(E)Clamp Bar R.H.	AT-AH43C	1
44	(C)Base Mounting Screw	AT-AH44A	2
	(D)Base Mounting Screw	AT-AH44B	2
	(E)Base Mounting Screw	AT-AH44C	2
45	(C,D)Crank Pin Setscrew	AT-AH45A	1
	(E)Crank Pin Setscrew	AT-AH45B	1
46	(C)Crank Pin	AT-AH46A	1
	(D)Crank Pin	AT-AH46B	1
	(E)Crank Pin - For #50	AT-AH46C	1
	Spindle		
	(E)Crank Pin - For #50/60	AT-AH46D	1
	Spindle		
47	Drive Collar Screw	AT-AH47	4
48	Drive Collar Lockwasher	AT-AH48	4
49	(C)Drive Collar	AT-AH49A	1
	(D)Drive Collar	AT-AH49B	1
	(E)Drive Collar	AT-AH49C	1
50	(C)Swivel Base	AT-AH50A	1
	(D)Swivel Base	AT-AH50B	1
	(E)Swivel Base	AT-AH50C	1
51	(C)Base Mounting Washer	AT-AH51A	2
	(D,E)Base Mounting Washer	AT-AH51B	2

(A) For 0-4 Stroke (C) For 2K, 2KM, 3H, 3CE, 2CSM(20), 3CSM(20), 2CK, 210CH, 210CH-14, 3CH, 310CH, 310CH-14, 210TF, 220TF, 310TF, 320TF, 215TF-16, 220TF-16, 315TF-16, 320TF-16

(B) For 0-5 Stroke (D) For 3K, 3KM, 4H, 3CSM(30), 4CSM(30), 3CK, 315CH, 315CH-16, 4CH, 415CH, 415CH-16, 315TF, 330TF, 415TF, 430TF, 320TF-17, 420TF-17, 430TF-17

(E) For 4K, 5H, 5HM, 4CSM(50), 5CSM(50), 6CSM(50), 4CK, 5CK, 6CK, 425TF, 450TF, 525TF, 550TF, 625TF, 650TF, 430TF-20, 450TF-20, 530TF-20, 550TF-20, 630TF-20, 650TF-20

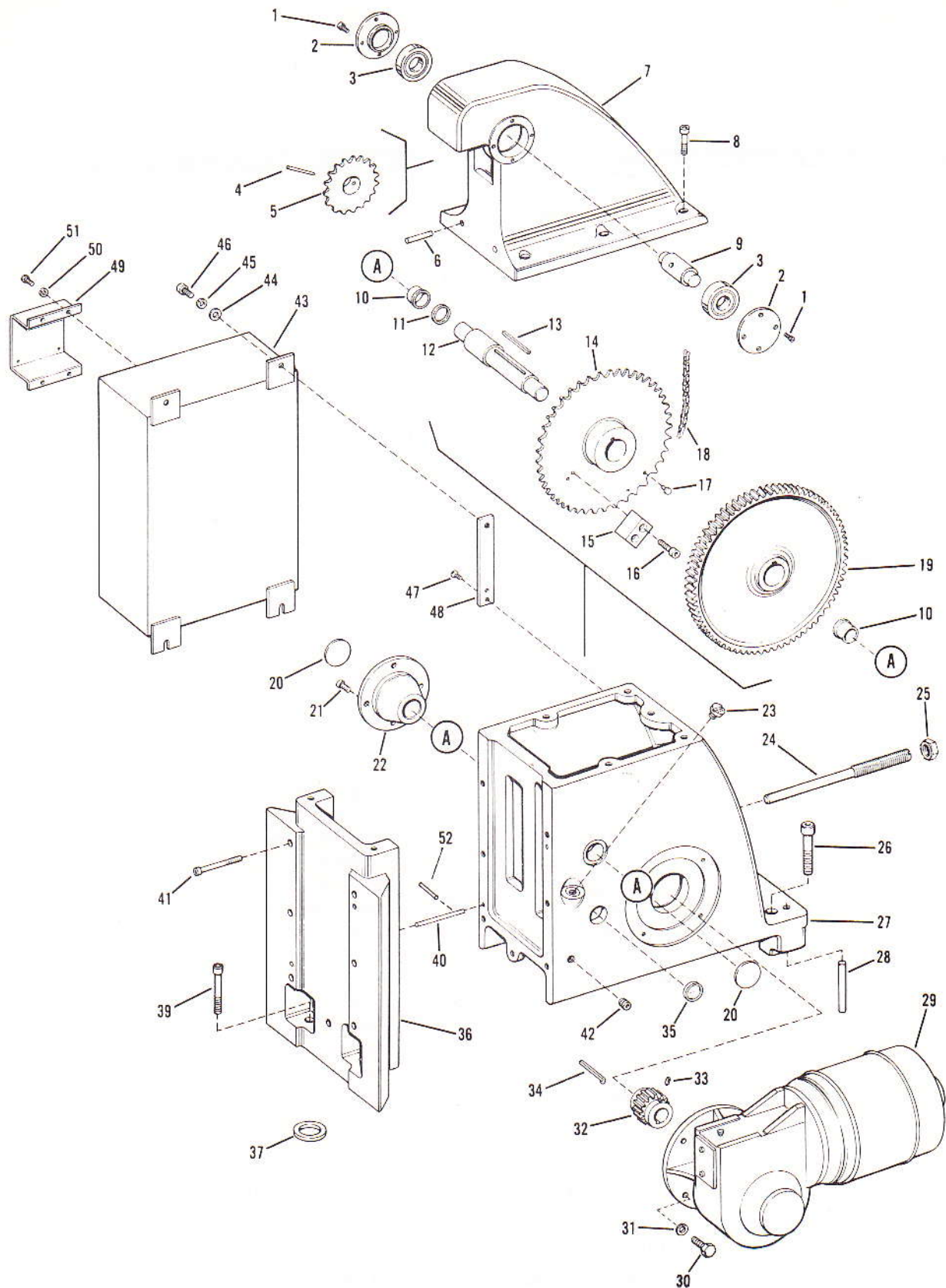


Fig. AJ Series 5282 - Power Parking Unit

Fig. AJ Series 5282 - Power Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Screw	AT-AJ1	8
2	Bearing Retainer	AT-AJ2	2
3	Ball Bearing	AT-AJ3	2
4	Taper Pin	AT-AJ4	1
5	Idler Sprocket	AT-AJ5	1
6	Pin	AT-AJ6	2
7	Hoist Cover	AT-AJ7	1
8	Screw	AT-AJ8	7
9	Idler Shaft	AT-AJ9	1
10	Flange Bearing	AT-AJ10	2
11	Fitting Washer	AT-AJ11	1
12	Drive Shaft	AT-AJ12	1
13	Key	AT-AJ13	1
14	Drive Sprocket	AT-AJ14	1
15	Limit Block	AT-AJ15	1
16	Screw	AT-AJ16	2
17	Pin	AT-AJ17	1
18	Chain	AT-AJ18	1
19	Drive Gear	AT-AJ19	1
20	Expansion Plug	AT-AJ20	2
21	Screw	AT-AJ21	4
22	Bearing Carrier	AT-AJ22	1
23	Oil Hole Screw	AT-AJ23	1
24	Stud	AT-AJ24	1
25	Nut	AT-AJ25	1
26	Screw	AT-AJ26	2
27	Hoist Housing	AT-AJ27	1
28	Dowel	AT-AJ28	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
29	Motor	AT-AJ29	1
30	Screw	AT-AJ30	4
31	Lockwasher	AT-AJ31	4
32	Drive Pinion	AT-AJ32	1
33	Setscrew	AT-AJ33	1
34	Key	AT-AJ34	1
35	Oil Window	AT-AJ35	1
36	Housing Way, ...	AT-AJ36A	1
	2CK, 2CSM, 2TF		
	Housing Way, 3CK, 3CSM, 3TF	AT-AJ36B	1
	Housing Way, 4CK, 4CSM, 4TF	AT-AJ36C	1
37	Fitting Washer	AT-AJ37	2
39	Screw	AT-AJ39	2
40	Dowel	AT-AJ40	2
41	Screw	AT-AJ41	7
42	Pipe Plug	AT-AJ42	1
43	Control Panel Enclosure .	AT-AJ43	1
44	Washer	AT-AJ44	8
45	Lockwasher	AT-AJ45	4
46	Screw	AT-AJ46	4
47	Screw	AT-AJ47	4
48	Enclosure Bracket	AT-AJ48	2
49	Disconnect Bracket	AT-AJ49	1
50	Lockwasher	AT-AJ50	4
51	Screw	AT-AJ51	4
52	Dowel	AT-AJ52	1

ATTACHMENTS

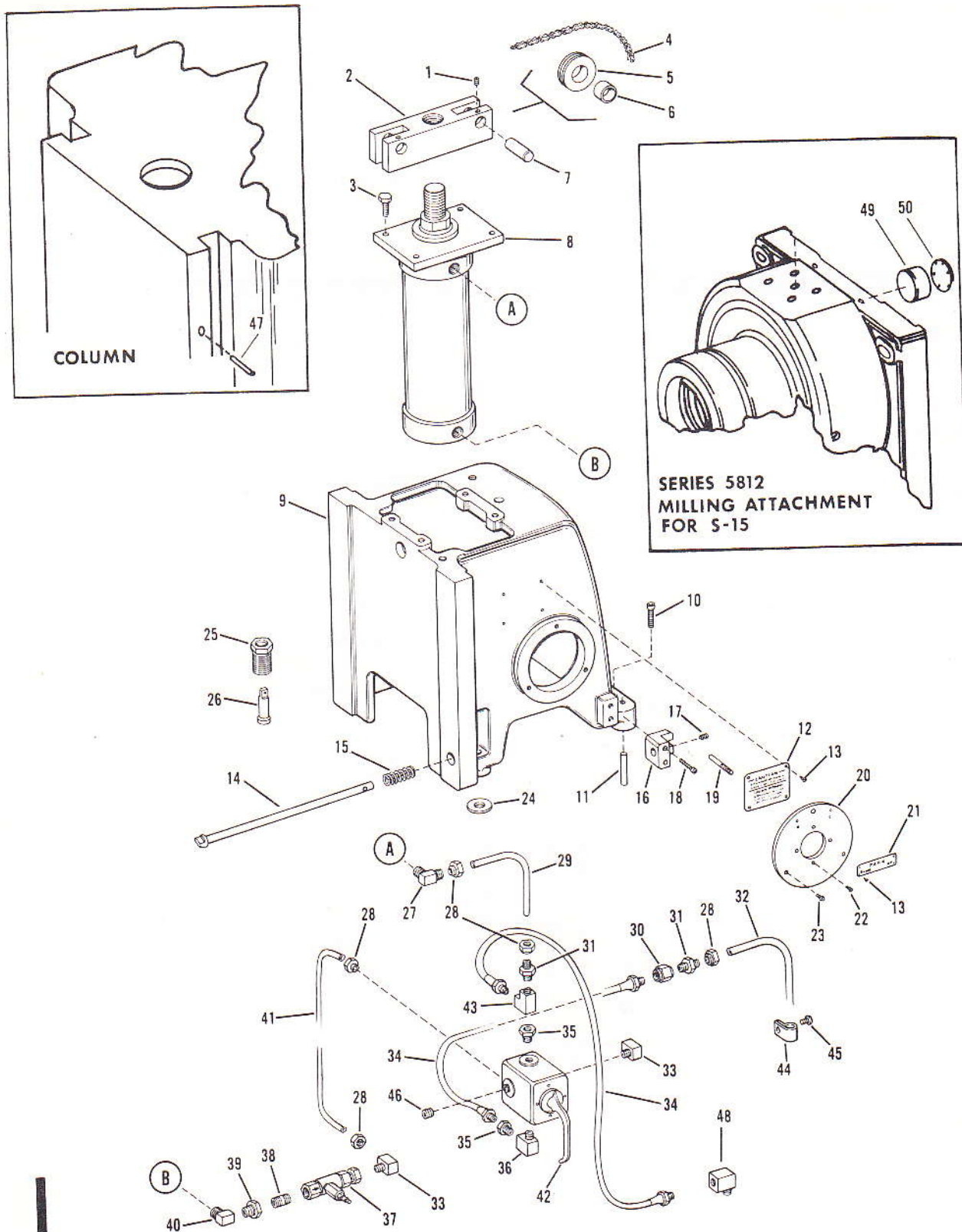


Fig. AK Series 7055 - Power Parking Unit

Fig. AK Series 7055 - Power Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Setscrew	AT-AK1	2
2	Cross Head	AT-AK2	1
3	Screw	AT-AK3	4
4	Chain	AT-AK4	1
5	Roller	AT-AK5	2
6	Bushing	AT-AK6	2
7	Dowel	AT-AK7	2
8	Hydraulic Cylinder . . .	AT-AK8	1
9	Housing	AT-AK9	1
10	Screw	AT-AK10	4
11	Dowel	AT-AK11	2
12	Instruction Plate	AT-AK12	1
13	Drive Screw	AT-AK13	8
14	Plunger	AT-AK14	1
15	Spring	AT-AK15	1
16	Plunger Bracket	AT-AK16	1
17	Setscrew	AT-AK17	1
18	Screw	AT-AK18	2
19	Plunger Pin	AT-AK19	1
20	Valve Mounting Plate . .	AT-AK20	1
21	Direction Plate	AT-AK21	1
22	Screw	AT-AK22	4
23	Screw	AT-AK23	3
24	Fitting Spacer	AT-AK24	2
25	Chain Anchor Nut	AT-AK25	1
26	Chain Anchor Post	AT-AK26	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
27	Elbow	AT-AK27	1
28	Nut	AT-AK28	6
29	Steel Tube, 1/2 x 9 . . .	AT-AK29	1
30	Coupling	AT-AK30	1
31	Male Connector	AT-AK31	2
32	Steel Tube, 1/2 x 36 . .	AT-AK32	1
33	Elbow	AT-AK33	2
34	Hose Assembly	AT-AK34	2
35	Bushing	AT-AK35	2
36	Street Elbow	AT-AK36	1
37	Flow Control Valve . . .	AT-AK37	1
38	Nipple	AT-AK38	1
39	Bushing	AT-AK39	1
40	Elbow	AT-AK40	1
41	Steel Tube, 1/2 x 12 . .	AT-AK41	1
42	Selector Valve	AT-AK42	1
43	Street Tee	AT-AK43	1
44	Tubing Clamp	AT-AK44	1
45	Screw	AT-AK45	1
46	Pipe Plug	AT-AK46	1
47	Pull Dowel	AT-AK47	2
48	W'-HD Street Elbow . . .	AT-AK48	1
49	Plug	AT-AK49	1
50	Dot Plug	AT-AK50	1

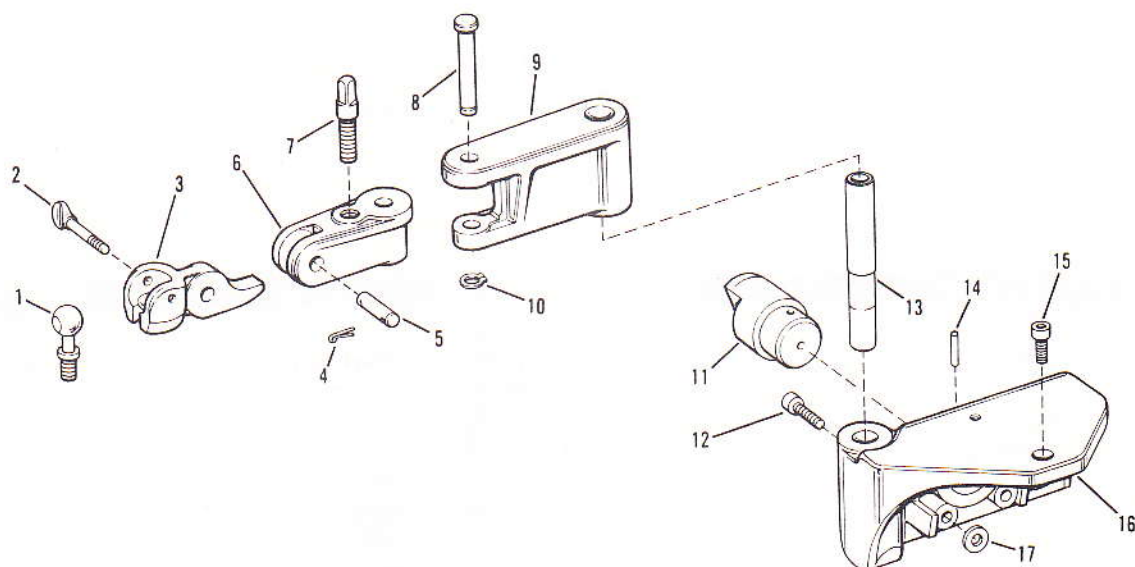


Fig. AL Series 4560 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 3-3/16" lg.	AT-AL1A	1
	Support Stud, 3-11/16" lg.	AT-AL1B	1
2	Thumb Screw	AT-AL2	1
3	Elevating Arm	AT-AL3	1
4	Cotter Pin	AT-AL4	2
5	Fulcrum	AT-AL5	1
6	Swivel Arm	AT-AL6	1
7	Elevating Screw	AT-AL7	1
8	Clevis Pin	AT-AL8	1
9	Attachment Crane	AT-AL9	1
10	Retaining Ring	AT-AL10	1
11	Stub Overarm	AT-AL11	2
12	Bracket Screw	AT-AL12	2
13	Swivel Post	AT-AL13	1
14	Bracket Pin	AT-AL14	2
15	Bracket Screw	AT-AL15	1
16	Parking Bracket	AT-AL16	1
17	Fitting Washer	AT-AL17	2

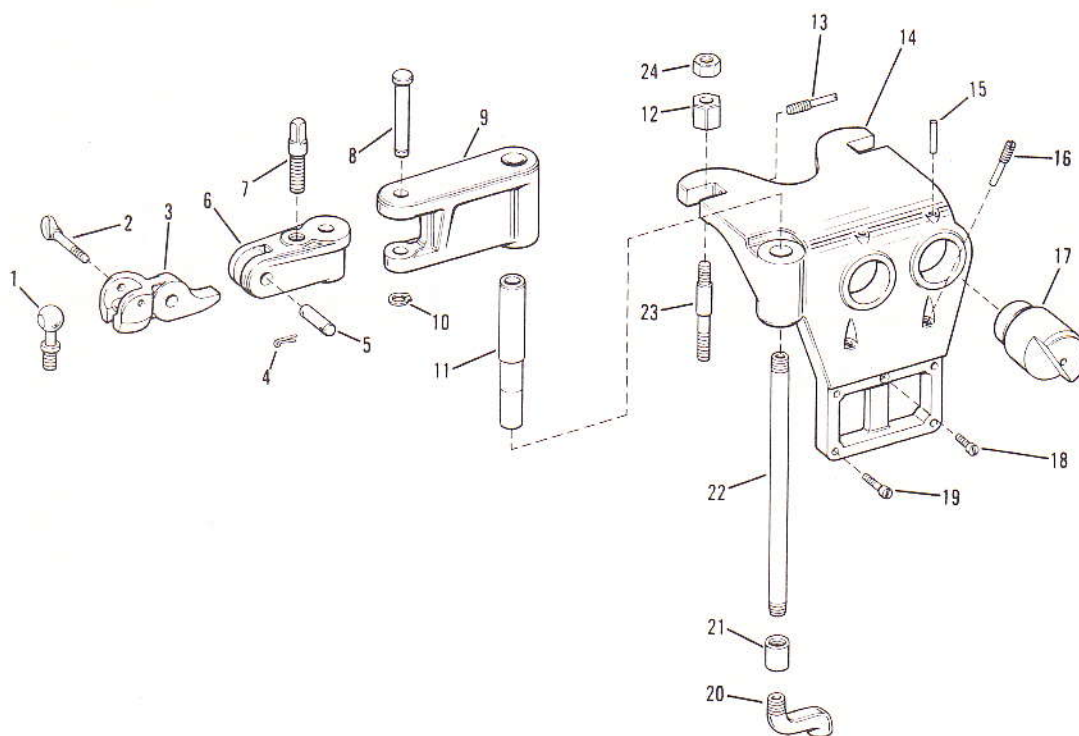


Fig. AM Series 4040 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 3-3/16" lg.	AT-AM1A	1
	Support Stud, 3-11/16" lg.	AT-AM1B	1
2	Thumb Screw	AT-AM2	1
3	Elevating Arm	AT-AM3	1
4	Cotter Pin	AT-AM4	2
5	Fulcrum	AT-AM5	1
6	Swivel Arm	AT-AM6	1
7	Elevating Screw	AT-AM7	1
8	Clevis Pin	AT-AM8	1
9	Attachment Crane	AT-AM9	1
10	Retaining Ring	AT-AM10	1
11	Swivel Post	AT-AM11	1
12	Eccentric Block	AT-AM12	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
13	Eccentric Block Screw . .	AT-AM13	1
14	Parking Bracket	AT-AM14	1
15	Bracket Pin	AT-AM15	2
16	Support Screw	AT-AM16	2
17	Stub Overarm	AT-AM17	2
18	Bracket Screw	AT-AM18	1
19	Baffle Cover Screw . .	AT-AM19	4
20	Elbow	AT-AM20	1
21	Coupling	AT-AM21	1
22	Coolant Pipe	AT-AM22	1
23	Overarm Clamp Stud .	AT-AM23	2
24	Hex Nut	AT-AM24	2

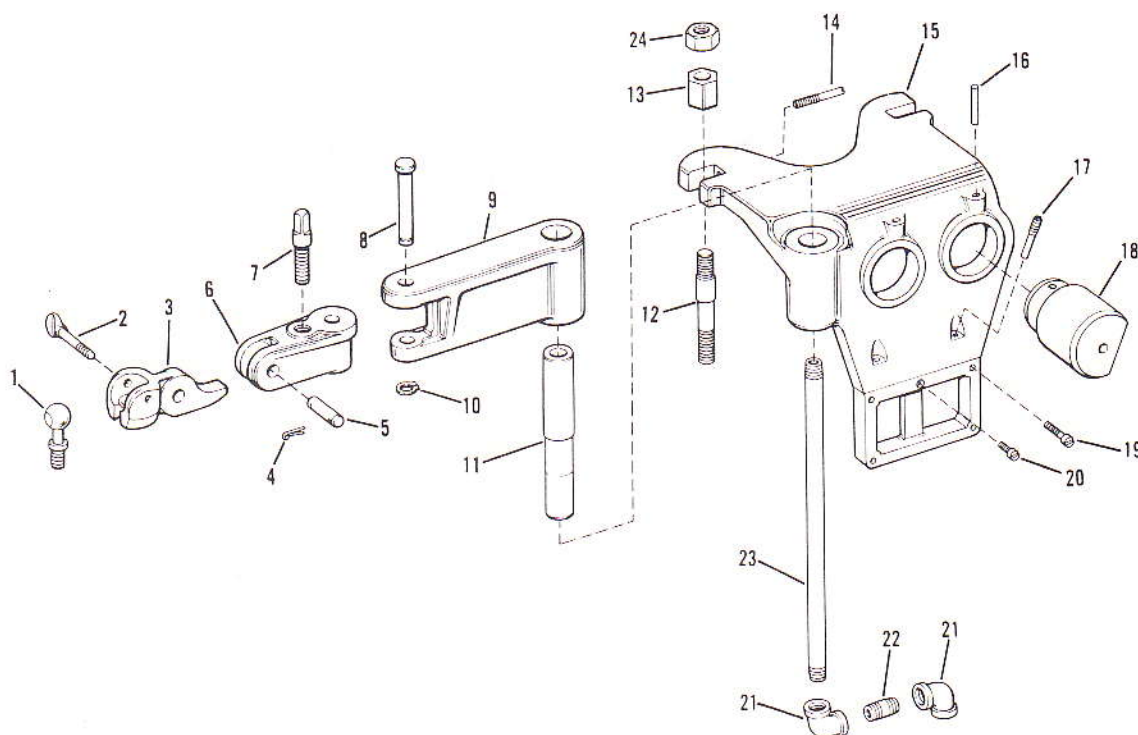


Fig. AN Series 4003 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 4-3/16" lg.	AT-AN1A	1
	(A)Support Stud, 3-3/16" lg.	AT-AN1B	1
	(B)Support Stud, 4-1/16" lg.	AT-AN1C	1
2	Thumb Screw	AT-AN2	1
3	Elevating Arm	AT-AN3	1
4	Cotter Pin	AT-AN4	2
5	Fulcrum	AT-AN5	1
6	Swivel Arm	AT-AN6	1
7	Elevating Screw	AT-AN7	1
8	Clevis Pin	AT-AN8	1
9	Attachment Crane	AT-AN9	1
10	Retaining Ring	AT-AN10	1
11	Swivel Post	AT-AN11	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
12	Overarm Clamp Stud . .	AT-AN12	2
13	Eccentric Block	AT-AN13	2
14	Eccentric Block Screw .	AT-AN14	1
15	Parking Bracket	AT-AN15	1
16	Bracket Pin	AT-AN16	2
17	Support Screw	AT-AN17	2
18	Stub Overarm	AT-AN18	2
19	Baffle Cover Screw . . .	AT-AN19	4
20	Bracket Screw	AT-AN20	1
21	Elbow	AT-AN21	2
22	Nipple	AT-AN22	1
23	Coolant Pipe	AT-AN23	1
24	Hex Nut	AT-AN24	2

(A) To Order Only

(B) 205CH High Speed Adjustable Attachment Only

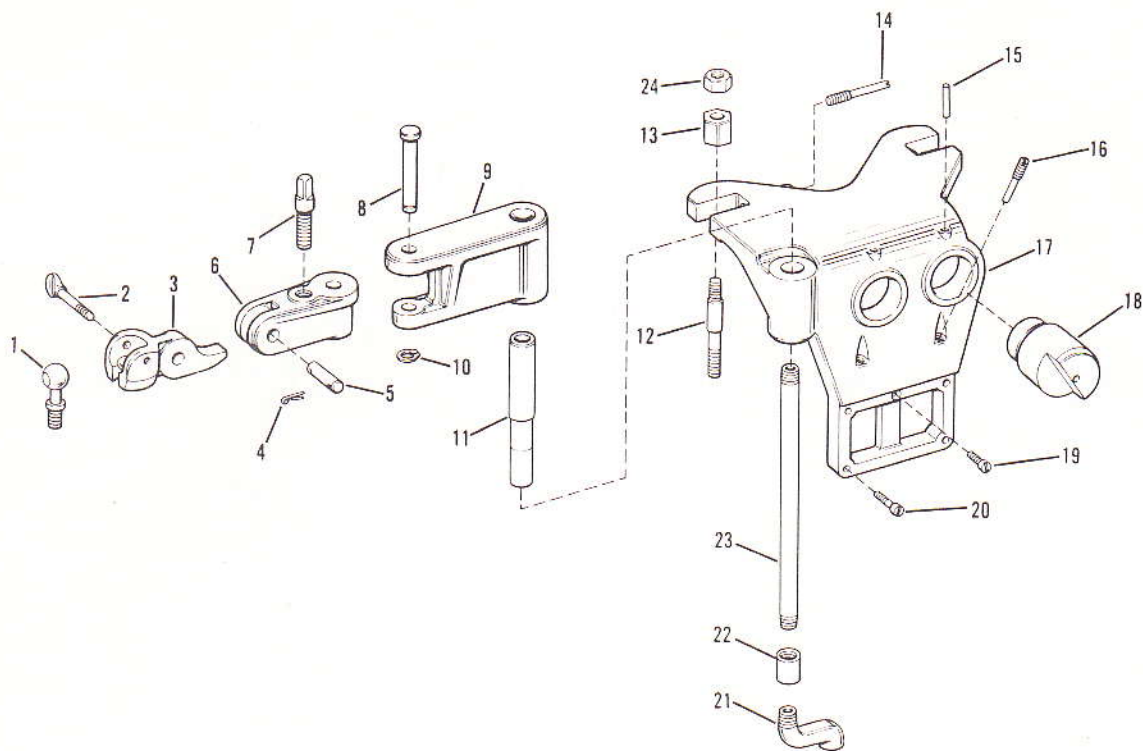


Fig. AP Series 5008 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 3-3/16" lg.	AT-AP1A	1
	Support Stud, 3-11/16" lg.	AT-AP1B	1
2	Thumb Screw	AT-AP2	1
3	Elevating Arm	AT-AP3	1
4	Cotter Pin	AT-AP4	2
5	Fulcrum	AT-AP5	1
6	Swivel Arm	AT-AP6	1
7	Elevating Screw	AT-AP7	1
8	Clevis Pin	AT-AP8	1
9	Attachment Crane	AT-AP9	1
10	Retaining Ring	AT-AP10	1
11	Swivel Post	AT-AP11	1
12	Overarm Clamp Stud . .	AT-AP12	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
13	Eccentric Block	AT-AP13	2
14	Eccentric Block Screw .	AT-AP14	1
15	Bracket Pin	AT-AP15	2
16	Support Screw	AT-AP16	2
17	Parking Bracket	AT-AP17	1
18	Stub Overarm	AT-AP18	2
19	Bracket Screw	AT-AP19	1
20	Baffle Cover Screw . . .	AT-AP20	4
21	Elbow	AT-AP21	1
22	Coupling	AT-AP22	1
23	Coolant Pipe	AT-AP23	1
24	Hex Nut	AT-AP24	2

ATTACHMENTS

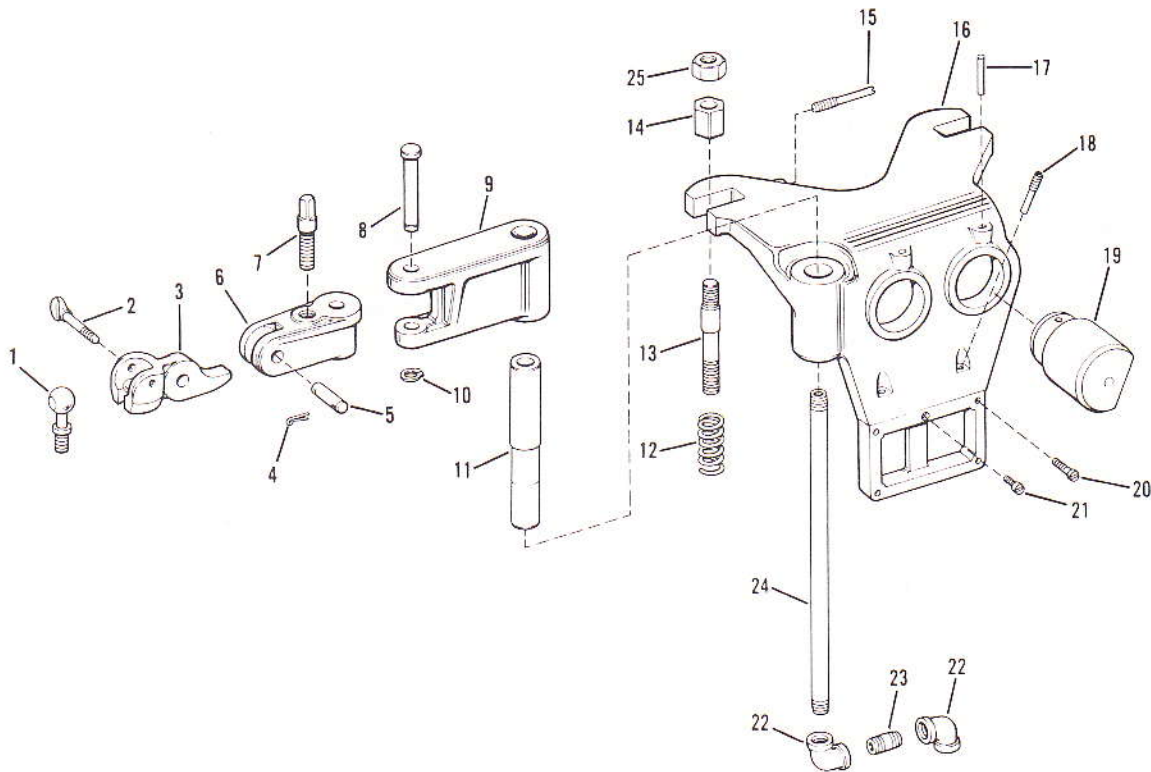


Fig. AQ Series 5009 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 3-3/16" lg.	AT-AQ1A	1
	Support Stud, 3-11/16" lg.	AT-AQ1B	1
2	Thumb Screw	AT-AQ2	1
3	Elevating Arm	AT-AQ3	1
4	Cotter Pin	AT-AQ4	2
5	Fulcrum	AT-AQ5	1
6	Swivel Arm	AT-AQ6	1
7	Elevating Screw	AT-AQ7	1
8	Clevis Pin	AT-AQ8	1
9	Attachment Crane	AT-AQ9	1
10	Retaining Ring	AT-AQ10	1
11	Swivel Post	AT-AQ11	1
12	Spring	AT-AQ12	2
13	Overarm Clamp Stud	AT-AQ13	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
14	Eccentric Block	AT-AQ14	2
15	Eccentric Block Screw	AT-AQ15	1
16	Parking Bracket	AT-AQ16	1
17	Bracket Pin	AT-AQ17	2
18	Support Screw	AT-AQ18	2
19	Stub Overarm	AT-AQ19A	2
	(A) Stub Overarm	AT-AQ19B	2
20	Baffle Cover Screw	AT-AQ20	4
21	Bracket Screw	AT-AQ21	1
22	Elbow	AT-AQ22	2
23	Nipple	AT-AQ23	1
24	Coolant Pipe	AT-AQ24	1
25	Hex Nut	AT-AQ25	2

(A) For Thread Milling Attachment Only

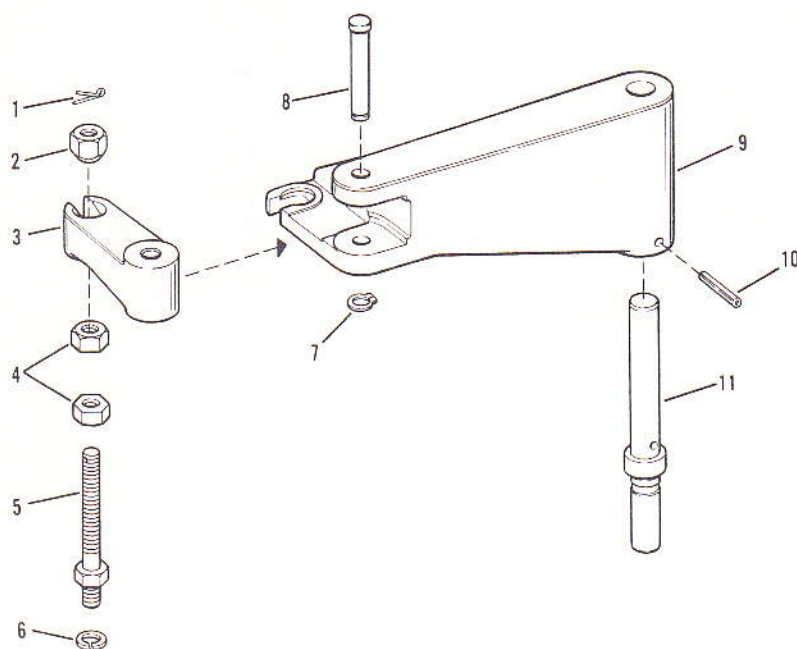


Fig. AR Series 5749 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Cotter Pin	AT-AR1	1
2	Nut	AT-AR2	1
3	Swivel Arm	AT-AR3	1
4	(A) Nut	AT-AR4A	1
	(B) Nut	AT-AR4B	2
5	(A) Support Stud	AT-AR5A	1
	(B) Support Stud	AT-AR5B	1
6	Lockwasher	AT-AR6	1
7	Retaining Ring	AT-AR7	1
8	Clevis Pin	AT-AR8	1
9	Crane	AT-AR9	1
10	Roll Pin	AT-AR10	1
11	Swivel Post	AT-AR11	1

(A) For Vertical and Universal Milling Head

(B) For Adjustable Universal Milling Head

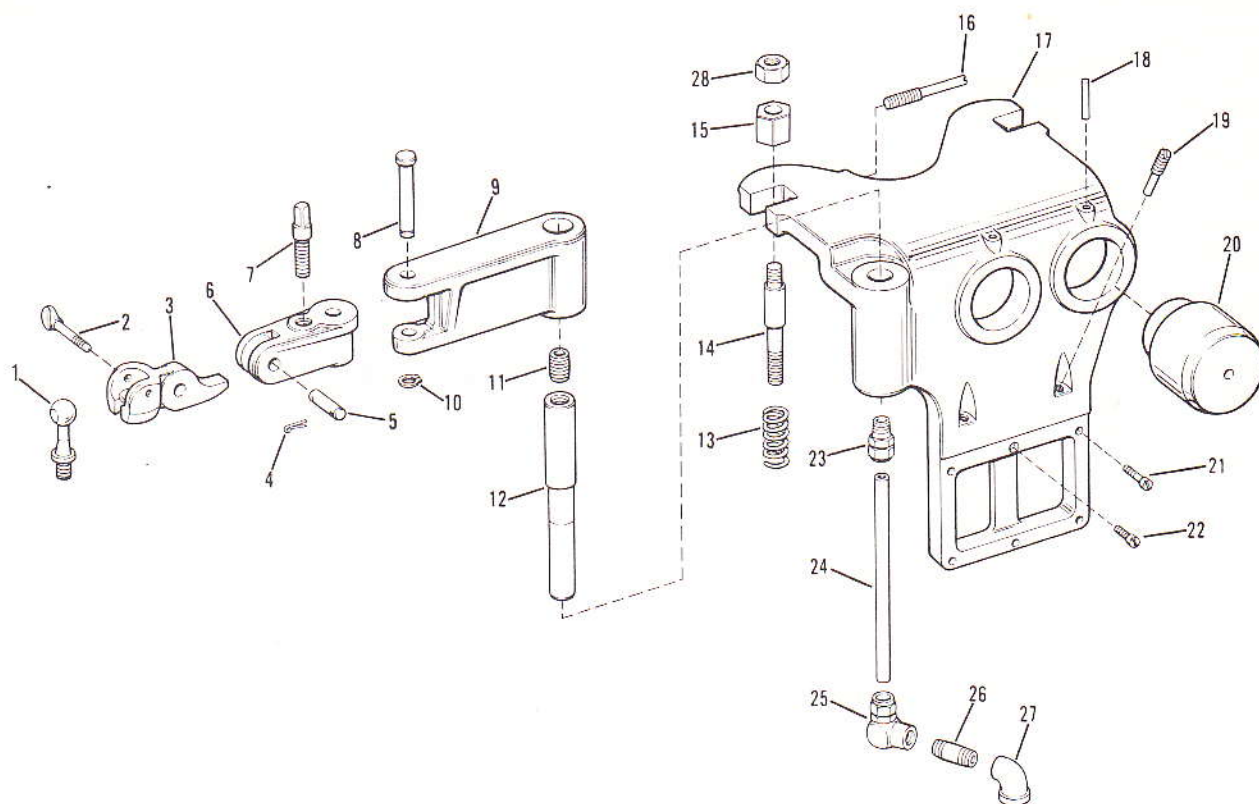


Fig. AS Series 4004 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 4-3/16" lg.	AT-AS1A	1
(A)	Support Stud, 3-3/16" lg.	AT-AS1B	1
(B)	Support Stud, 4-1/16" lg.	AT-AS1C	1
2	Thumb Screw	AT-AS2	1
3	Elevating Arm	AT-AS3	1
4	Cotter Pin	AT-AS4	2
5	Fulcrum	AT-AS5	1
6	Swivel Arm	AT-AS6	1
7	Elevating Screw	AT-AS7	1
8	Clevis Pin	AT-AS8	1
9	Attachment Crane	AT-AS9	1
10	Retaining Ring	AT-AS10	1
11	Close Nipple	AT-AS11	1
12	Swivel Post	AT-AS12	1
13	Spring	AT-AS13	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
14	Overarm Clamp Stud. . .	AT-AS14	2
15	Eccentric Block	AT-AS15	2
16	Eccentric Block Screw . .	AT-AS16	1
17	Parking Bracket	AT-AS17	1
18	Bracket Dowel	AT-AS18	2
19	Support Screw	AT-AS19	2
20	Stub Overarm	AT-AS20	2
21	Baffle Cover Screw . . .	AT-AS21	5
22	Bracket Screw	AT-AS22	1
23	Connector	AT-AS23	1
24	Coolant Tube	AT-AS24	1
25	Elbow	AT-AS25	1
26	Nipple	AT-AS26	1
27	Reducer Elbow	AT-AS27	1
28	Hex Nut	AT-AS28	2

(A) To Order Only

(B) 205CH High Speed Adjustable Attachment Only

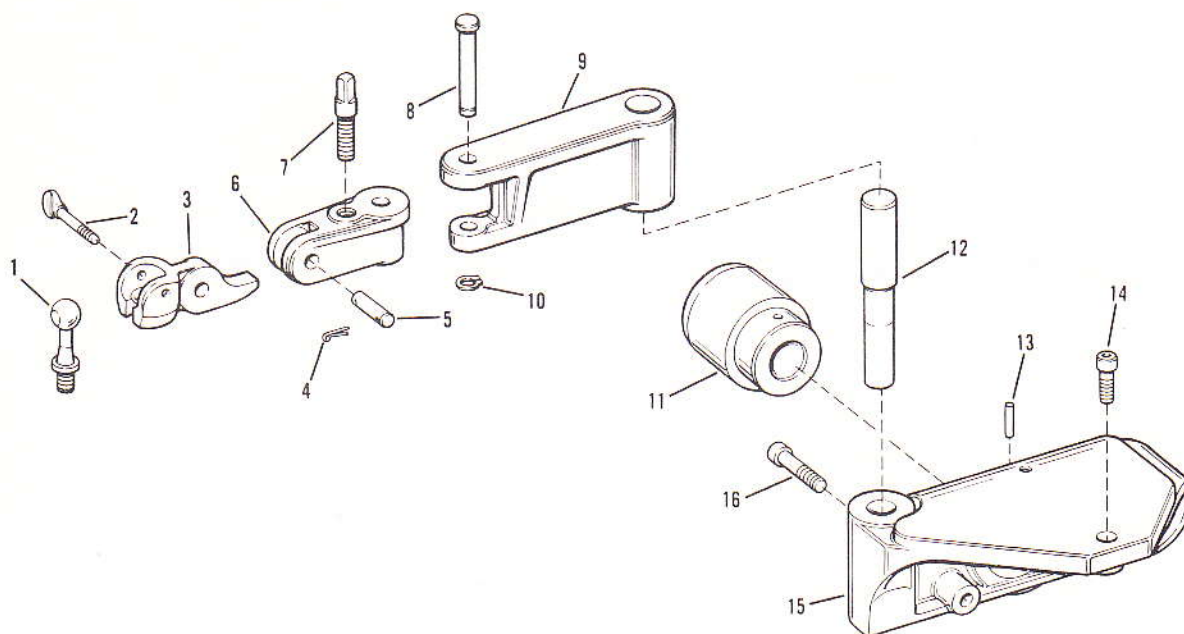


Fig. AT Series 4710 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 4-3/16" lg.	AT-AT1A	1
	(A) Support Stud, 3-3/16" lg.	AT-AT1B	1
	(B) Support Stud, 4-1/16" lg.	AT-AT1C	1
2	Thumb Screw	AT-AT2	1
3	Elevating Arm	AT-AT3	1
4	Cotter Pin	AT-AT4	2
5	Fulcrum	AT-AT5	1
6	Swivel Arm	AT-AT6	1
7	Elevating Screw	AT-AT7	1

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
8	Clevis Pin	AT-AT8	1
9	Attachment Crane	AT-AT9	1
10	Retaining Ring	AT-AT10	1
11	Stub Overarm	AT-AT11	2
12	Swivel Post	AT-AT12	1
13	Bracket Dowel	AT-AT13	2
14	Bracket Screw	AT-AT14	1
15	Parking Bracket	AT-AT15	1
16	Bracket Screw	AT-AT16	2

(A) To Order Only

(B) 205CH High Speed Adjustable Attachment Only

ATTACHMENTS

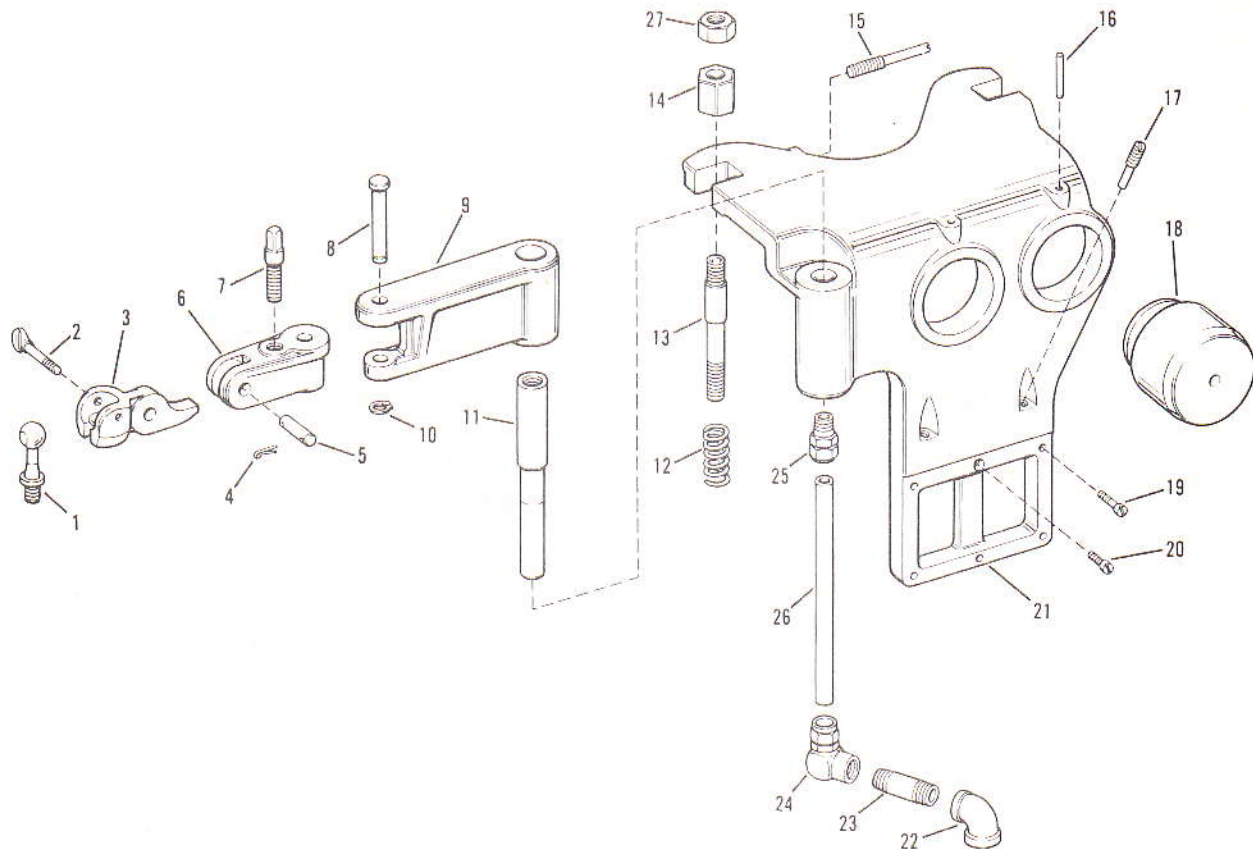


Fig. AU Series 4005 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 4-3/16" lg.	AT-AU1A	1
	(A)Support Stud, 3-3/16" lg.	AT-AU1B	1
	(B)Support Stud, 4-1/16" lg.	AT-AU1C	1
2	Thumb Screw	AT-AU2	1
3	Elevating Arm	AT-AU3	1
4	Cotter Pin	AT-AU4	2
5	Fulcrum	AT-AU5	1
6	Swivel Arm	AT-AU6	1
7	Elevating Screw	AT-AU7	1
8	Clevis Pin	AT-AU8	1
9	Attachment Crane	AT-AU9	1
10	Retaining Ring	AT-AU10	1
11	Swivel Post	AT-AU11	1
12	Spring	AT-AU12	2
13	Overarm Clamp Stud	AT-AU13	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
14	Eccentric Block	AT-AU14	2
15	Eccentric Block Screw	AT-AU15	1
16	Bracket Pin	AT-AU16	2
17	Support Screw	AT-AU17	2
18	Stub Overarms	AT-AU18	2
19	Baffle Cover Screw	AT-AU19	5
20	Bracket Screw	AT-AU20	1
21	Parking Bracket	AT-AU21	1
22	Reducer Elbow	AT-AU22	1
23	Nipple	AT-AU23	1
24	Elbow	AT-AU24	1
25	Male Connector	AT-AU25	2
26	Coolant Tube	AT-AU26	1
27	Hex Nut	AT-AU27	2

(A) To Order Only
(B) 205CH

KEARNEY & TRECKER
MILWAUKEE

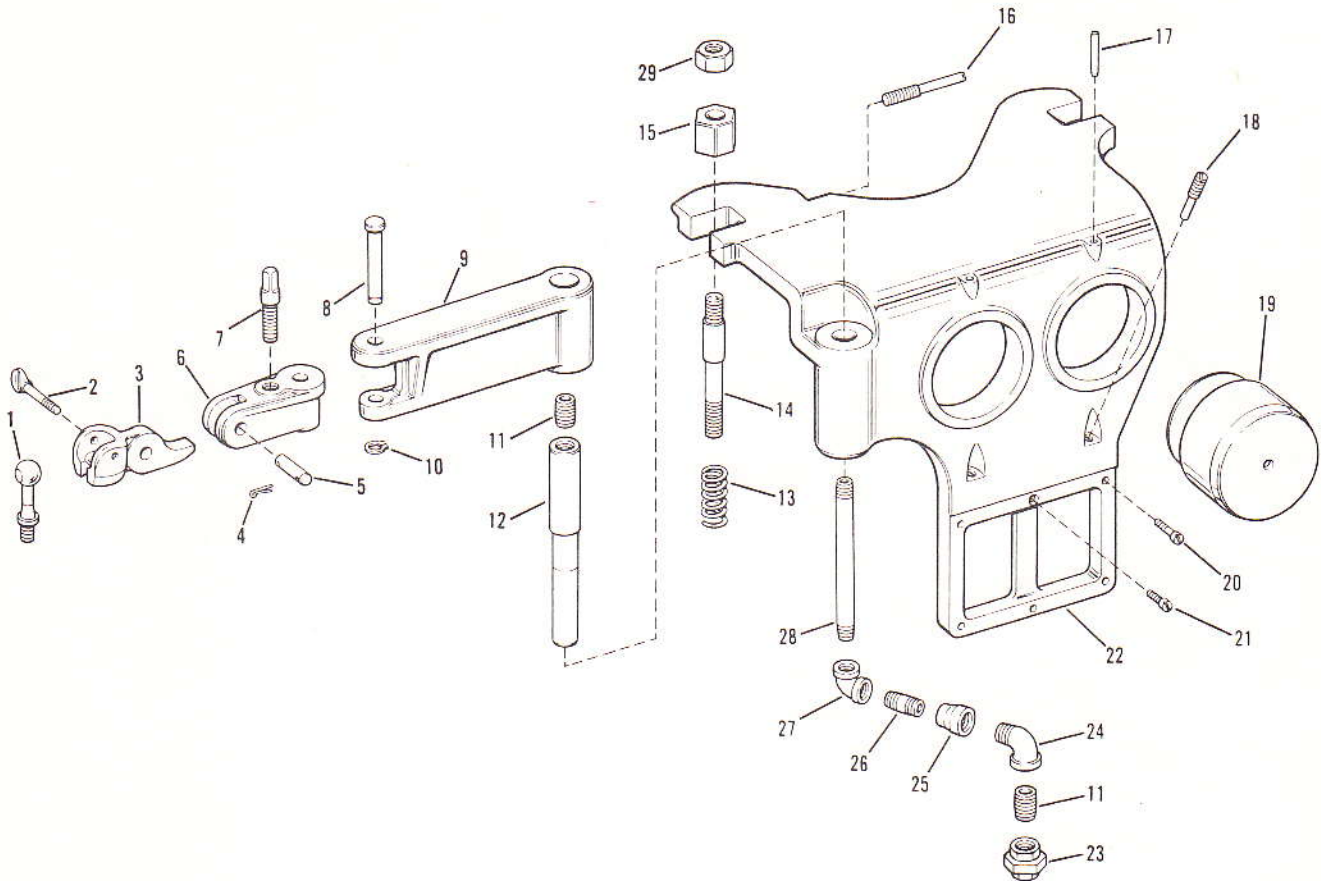


Fig. AV Series 4111 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 4-3/16" lg.	AT-AV1	1
2	Thumb Screw	AT-AV2	1
3	Elevating Arm	AT-AV3	1
4	Cotter Pin	AT-AV4	2
5	Fulcrum	AT-AV5	1
6	Swivel Arm	AT-AV6	1
7	Elevating Screw	AT-AV7	1
8	Clevis Pin	AT-AV8	1
9	Attachment Crane	AT-AV9	1
10	Retaining Ring	AT-AV10	1
11	Close Nipple	AT-AV11	2
12	Swivel Post	AT-AV12	1
13	Spring	AT-AV13	2
14	Overarm Clamp Stud	AT-AV14	2
15	Eccentric Block	AT-AV15	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
16	Eccentric Block Screw	AT-AV16	1
17	Bracket Pin	AT-AV17	2
18	Support Screw	AT-AV18	2
19	Stub Overarm	AT-AV19	2
20	Baffle Cover Screw	AT-AV20	5
21	Bracket Screw	AT-AV21	1
22	Parking Bracket	AT-AV22	1
23	Union	AT-AV23	1
24	Street Elbow	AT-AV24	1
25	Reducer Coupling	AT-AV25	1
26	Nipple	AT-AV26	1
27	Elbow	AT-AV27	1
28	Coolant Pipe	AT-AV28	1
29	Hex Nut	AT-AV29	2

ATTACHMENTS

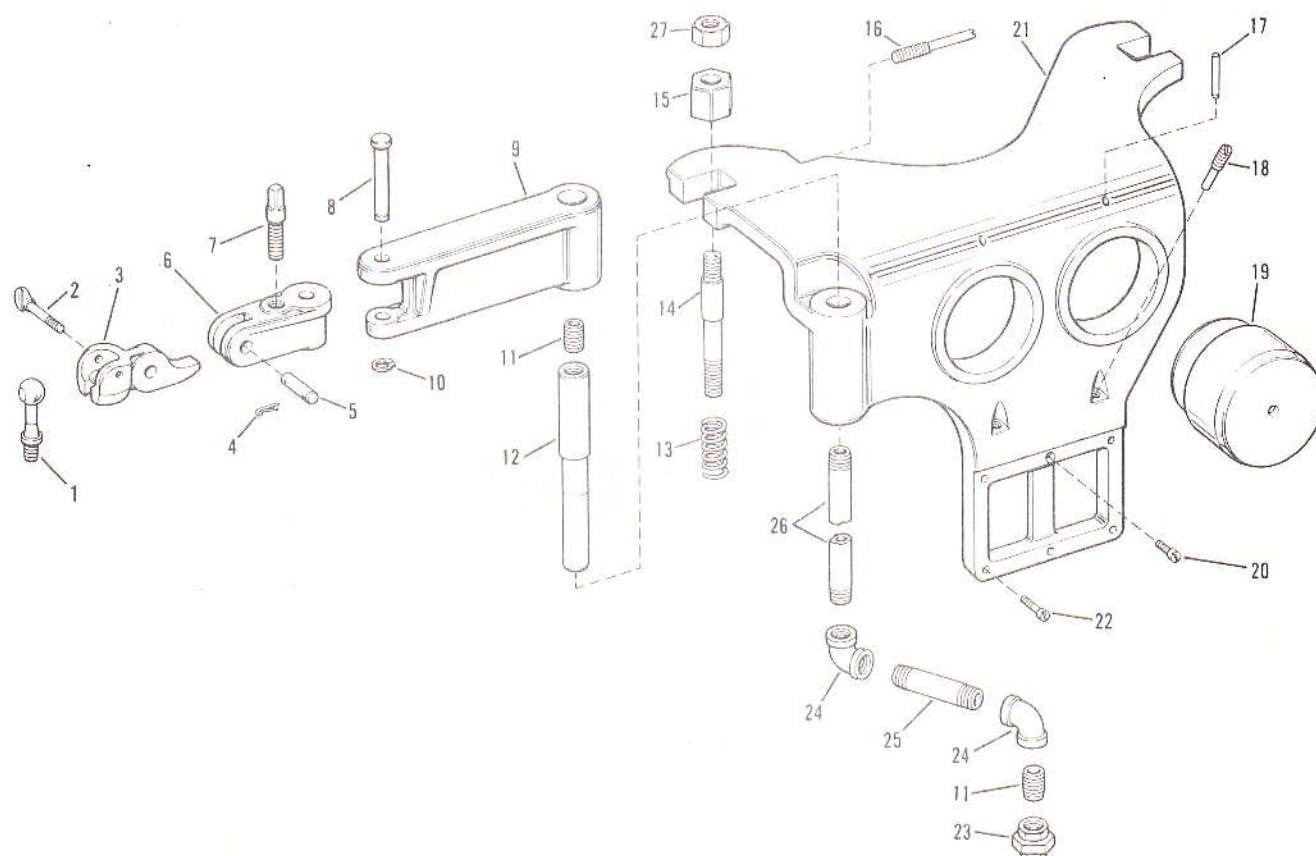


Fig. AW Series 5074 - Manual Parking Unit

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
1	Support Stud, 4-3/16" lg.	AT-AW1	1
2	Thumb Screw	AT-AW2	1
3	Elevating Arm	AT-AW3	1
4	Cotter Pin	AT-AW4	2
5	Fulcrum	AT-AW5	1
6	Swivel Arm	AT-AW6	1
7	Elevating Screw	AT-AW7	1
8	Clevis Pin	AT-AW8	1
9	Attachment Crane	AT-AW9	1
10	Retaining Ring	AT-AW10	1
11	Close Nipple	AT-AW11	2
12	Swivel Post	AT-AW12	1
13	Spring	AT-AW13	2
14	Overarm Clamp Stud	AT-AW14	2

Order by Your MACHINE SERIAL No. and This CODE No.

Item No.	Part Name	Code No.	Qty.
15	Eccentric Block	AT-AW15	2
16	Eccentric Block Screw	AT-AW16	1
17	Bracket Pin	AT-AW17	2
18	Support Screw	AT-AW18	2
19	Stub Overarm	AT-AW19	2
20	Bracket Screw	AT-AW20	1
21	Parking Bracket	AT-AW21	1
22	Baffle Cover Screw	AT-AW22	5
23	Union	AT-AW23	1
24	Elbow	AT-AW24	2
25	Nipple	AT-AW25	1
26	Coolant Pipe	AT-AW26	1
27	Hex Nut	AT-AW27	2