

Trenchers

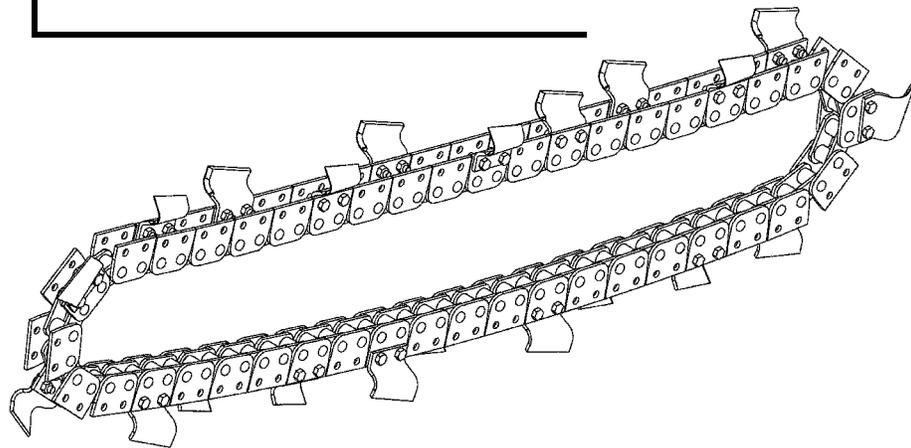
LT112
MX112
LT113
LT213
LT313
LT414



Bobcat®

Trencher Chain Pattern Manual

(LT112) S/N 045200101 & Above
(MX112) S/N 045100101 & Above
(LT113) S/N 233800101 & Above
(LT213) S/N 045300101 & Above
(LT313) S/N 045400101 & Above
(LT414) S/N AORS00101 & Above



Product: 2006 Bobcat LT112,MX112,LT113,LT213,LT313,LT414 Trencher Chain Pattern Manual

Full Download: <https://www.arepairmanual.com/downloads/2006-bobcat-lt112mx1>

[12lt113lt213lt313lt414-trencher-chain-pattern-manual/](https://www.arepairmanual.com/downloads/2006-bobcat-lt112mx112lt113lt213lt313lt414-trencher-chain-pattern-manual/)

Sample of manual. Download All 180 pages at:

<https://www.arepairmanual.com/downloads/2006-bobcat-lt112mx112lt113lt213lt313lt414-trencher-chain-pattern-manual/>

CONTENTS

**LT112 & MX112
TRENCHERS**

CHAIN AND SPROCKET WEAR LIMITS IV

CHAIN PITCH III

GROUND CONDITIONS III
Digging Speed III

LT112 & LT113 TRENCHERS 112-01

LT113 TRENCHERS 113-01

LT213 TRENCHERS 213-01

LT313 TRENCHERS 313-01

LT414 TRENCHERS 414-01

**LT113
TRENCHERS**

**LT213
TRENCHERS**

**LT313
TRENCHERS**

**LT414
TRENCHERS**

REFERENCE INFORMATION

Write the correct information for YOUR Trencher Attachment in the spaces below. Always use these numbers when referring to your Trencher.

Trencher Serial Number

NOTES:

YOUR BOBCAT® DEALER:

ADDRESS:

PHONE:

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium



GROUND CONDITIONS

Digging Speed

Ground conditions vary greatly from area to area. Digging speed should be adjusted to the ground conditions in the area where trenching.

Use the following chart [Figure 1] as a guideline:

Figure 1

CONDITIONS	CHAIN SPEED
Rocky -----	Slow
Sand -----	Fast
Gumbo -----	Fast
Normal -----	Medium Fast
Clay -----	Medium
Roots -----	Slow to Medium
Asphalt -----	Medium

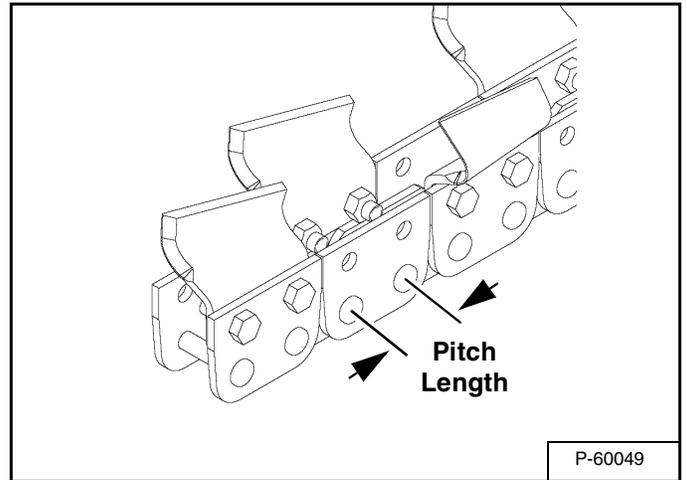
Listen to the machines engine. Adjust ground travel speed to prevent engine lugging.

NOTE: Use trench cleaning foot to obtain clean bottom trench.

CHAIN PITCH

Pitch Length

Figure 2



The pitch length of a chain is measured from center to center of the pins of one chain link [Figure 2].

Standard Pitch Lengths;

LT112 & MX112 - 1.654 in. (42 mm).

LT113 - 1.654 in. (42 mm)

LT213 - 1.654 in. (42 mm).

LT313 - 2.00 in. (51 mm).

LT414 - 2.00 in. (51 mm).

CHAIN AND SPROCKET WEAR LIMITS

Chain rollers limit the life of a chain. The most severe wear occurs at the widest cutters in the chain line. If chain rollers are missing, the chain should be replaced.

Abrasive wear within the chain joints causes chain stretch. The chain should be replaced when the chain has been elongated 4%.

When replacing an old chain with a new one, always replace the worn sprockets at the same time. Sprockets should be replaced if they have worn into a hook shape. A new chain installed on worn sprockets will wear out more rapidly than normal.

SINGLE STANDARD PATTERNS 112-10-1
 Component Description 112-10-1
 2 Ft. x 4 In. Cup Tooth Parts Identification. 112-10-2
 2 Ft. x 4 In. Cup Tooth Pattern Installation 112-10-3
 2 Ft. x 6 In. Cup Tooth Parts Identification. 112-10-4
 2 Ft. x 6 In. Cup Tooth Pattern Installation 112-10-5
 2 Ft. x 8 In. Cup Tooth Parts Identification. 112-10-6
 2 Ft. x 8 In. Cup Tooth Pattern Installation 112-10-7

DOUBLE STANDARD PATTERNS. 112-20-1
 Component Description 112-20-1
 2 Ft. x 4 In. Cup Tooth Parts Identification. 112-20-2
 2 Ft. x 4 In. Cup Tooth Pattern Installation 112-20-3
 2 Ft. x 4 In. Carbide Tooth Parts Identification. 112-20-4
 2 Ft. x 4 In. Carbide Tooth Pattern Installation 112-20-5
 2 Ft. x 4 In. Cup Tooth/Carbide Tooth Parts Identification 112-20-6
 2 Ft. x 4 In. Cup Tooth/Carbide Tooth Pattern Installation 112-20-7
 2 Ft. x 6 In. Cup Tooth Parts Identification. 112-20-8
 2 Ft. x 6 In. Cup Tooth Pattern Installation 112-20-9
 2 Ft. x 8 In. Cup Tooth Parts Identification. 112-20-10
 2 Ft. x 8 In. Cup Pattern Installation. 112-20-11



SINGLE STANDARD PATTERNS

Component Description

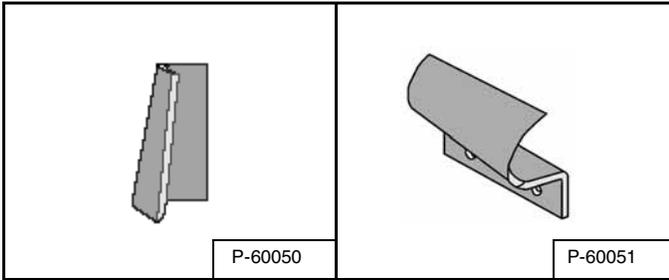


AVOID INJURY

Never strike tooth with a steel hammer or hard object. Hardened steel parts can shatter upon impact.

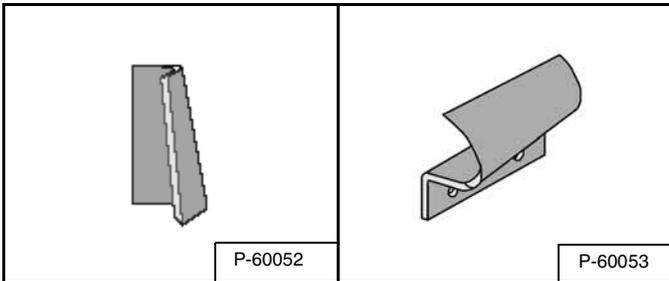
W-2114-0688

Figure 112-10-1



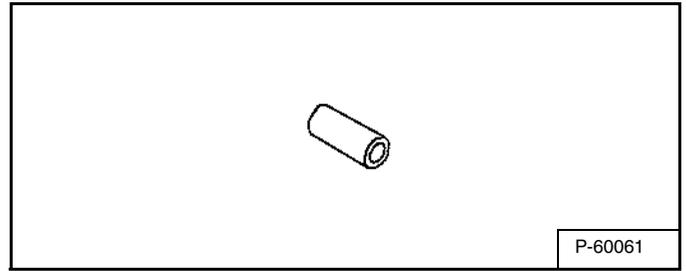
Right hand digging tooth [Figure 112-10-1].

Figure 112-10-2



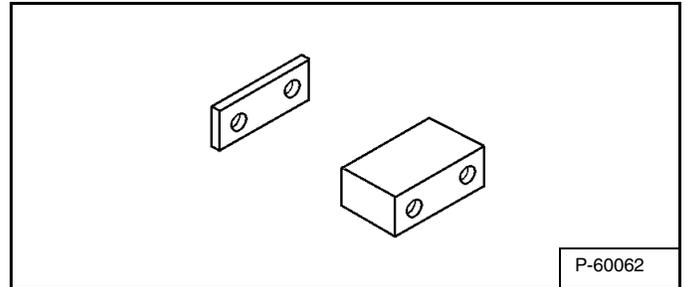
Left hand digging tooth [Figure 112-10-2].

Figure 112-10-3



Bushing [Figure 112-10-3].

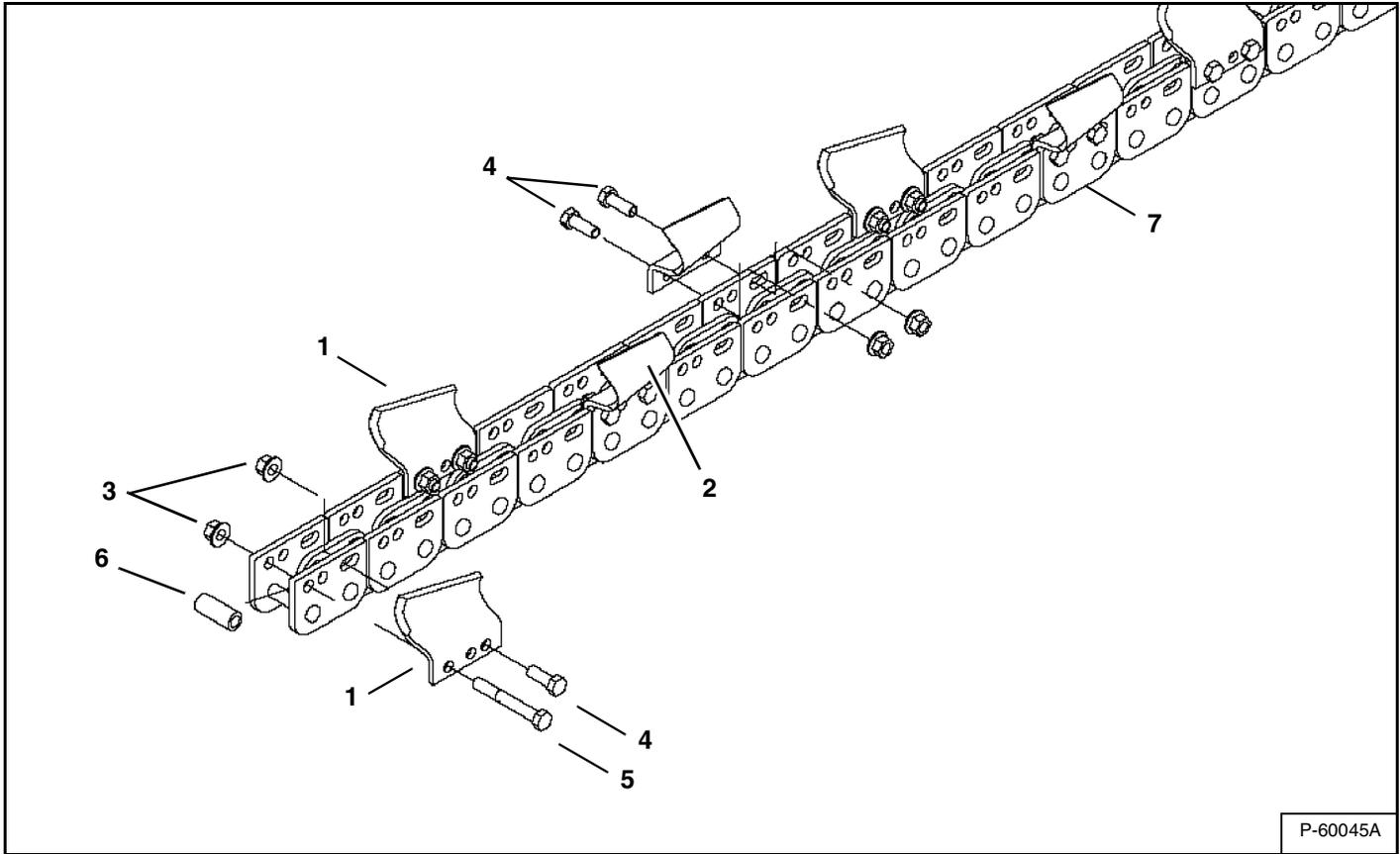
Figure 112-10-4



Spacers [Figure 112-10-4].

SINGLE STANDARD PATTERNS (CONT'D)

2 Ft. x 4 In. Cup Tooth Parts Identification

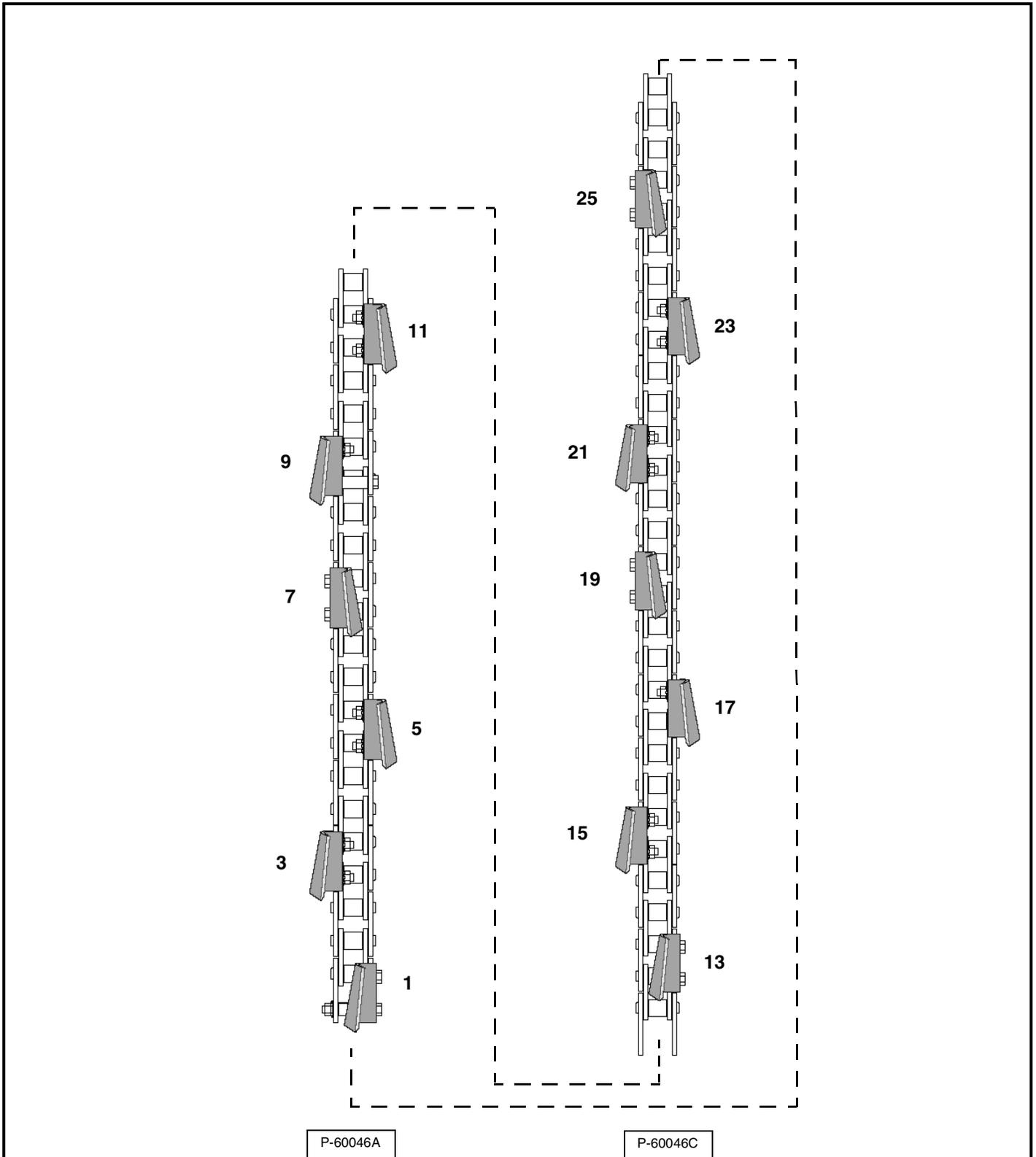


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6655759	RH Tooth	6
2	6655760	LH Tooth	7
3	83D6	Nut	26
4	17C616	Bolt	25
5	17C644	Bolt	1
6	6701880	Bushing (Used on connecting link only)	1
7	6959302	Chain (52 pitch)	1

SINGLE STANDARD PATTERNS (CONT'D)

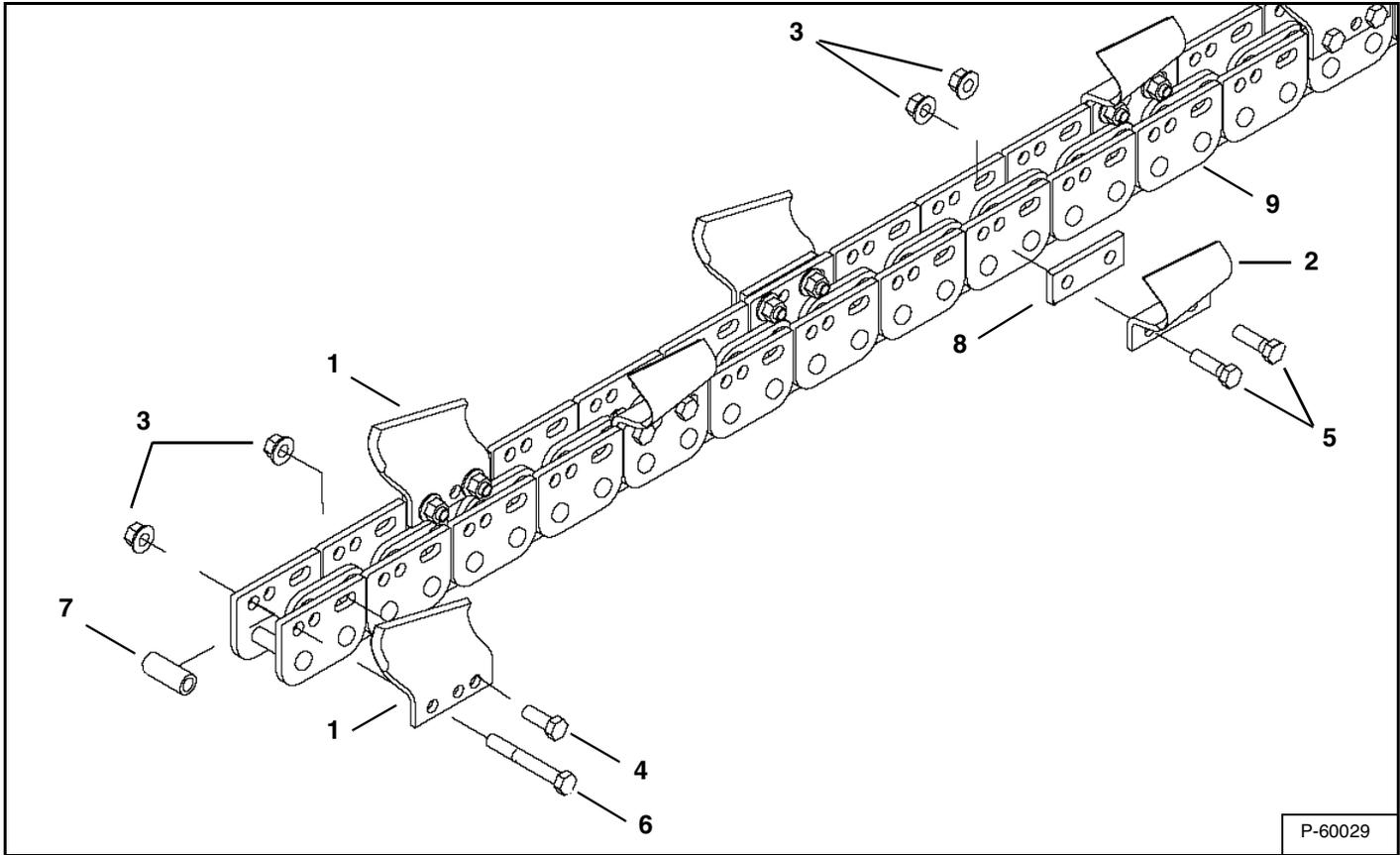
2 Ft. x 4 In. Cup Tooth Pattern Installation

Instructions: Install teeth 1 thru 25 as indicated below.



SINGLE STANDARD PATTERNS (CONT'D)

2 Ft. x 6 In. Cup Tooth Parts Identification



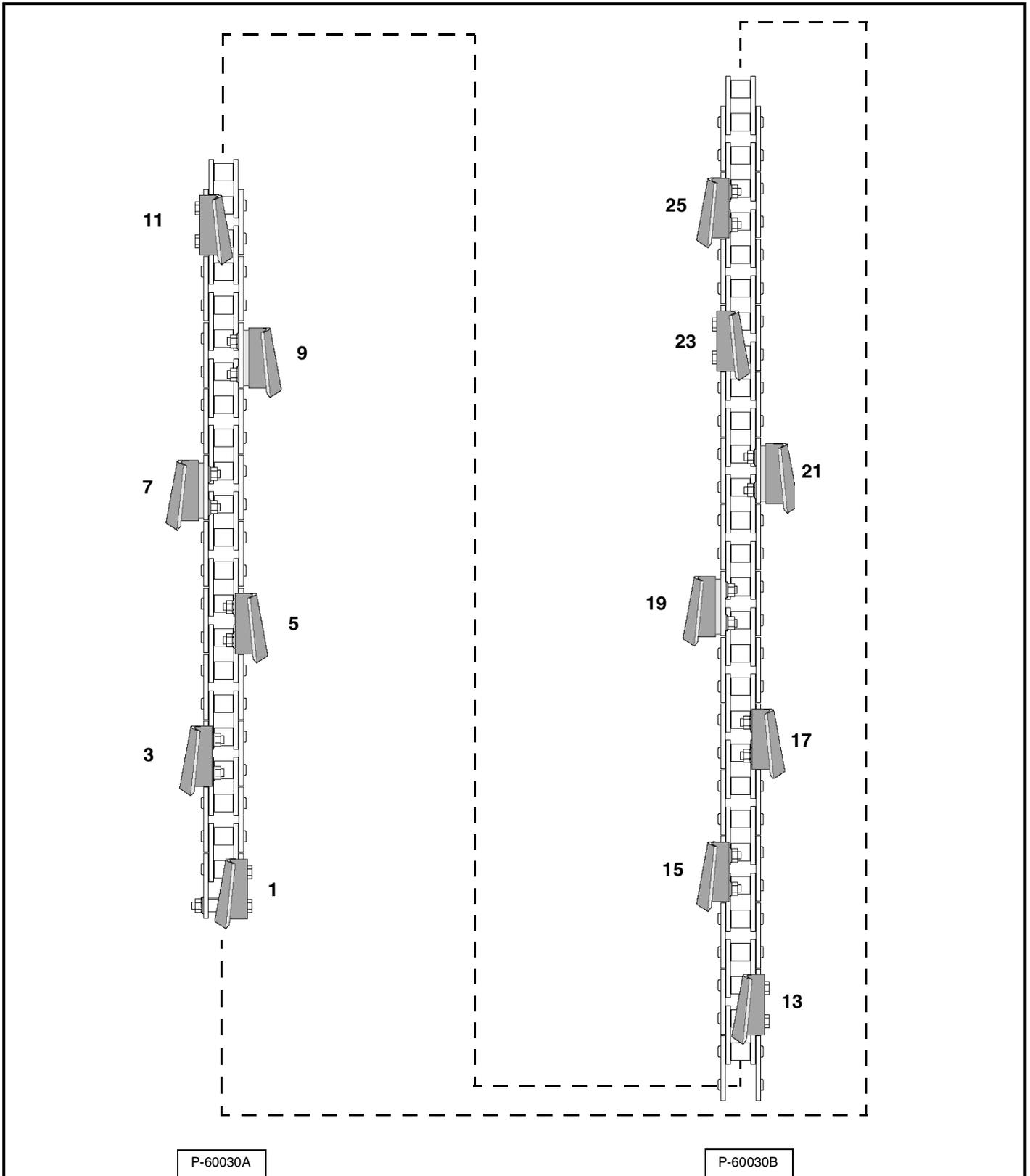
P-60029

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6655759	RH Tooth	7
2	6655760	LH Tooth	6
3	83D6	Nut	26
4	17C616	Bolt	17
5	17C620	Bolt	8
6	17C644	Bolt	1
7	6701880	Bushing (Used on connecting link only)	1
8	6713795	Spacer	4
9	6959302	Chain (52 pitch)	1

SINGLE STANDARD PATTERNS (CONT'D)

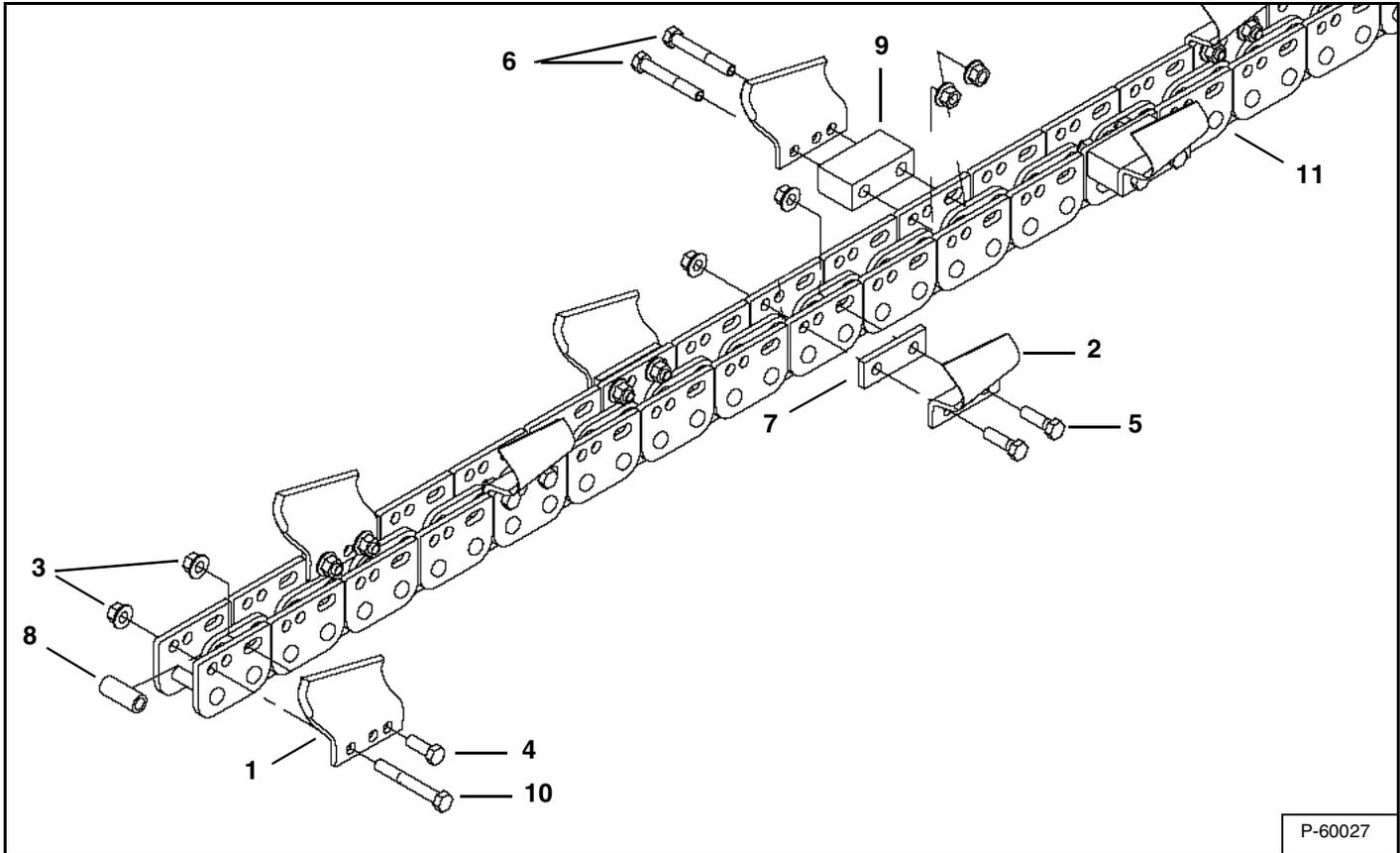
2 Ft. x 6 In. Cup Tooth Pattern Installation

Instructions: Install teeth 1 thru 25 as indicated below.



SINGLE STANDARD PATTERNS (CONT'D)

2 Ft. x 8 In. Cup Tooth Parts Identification

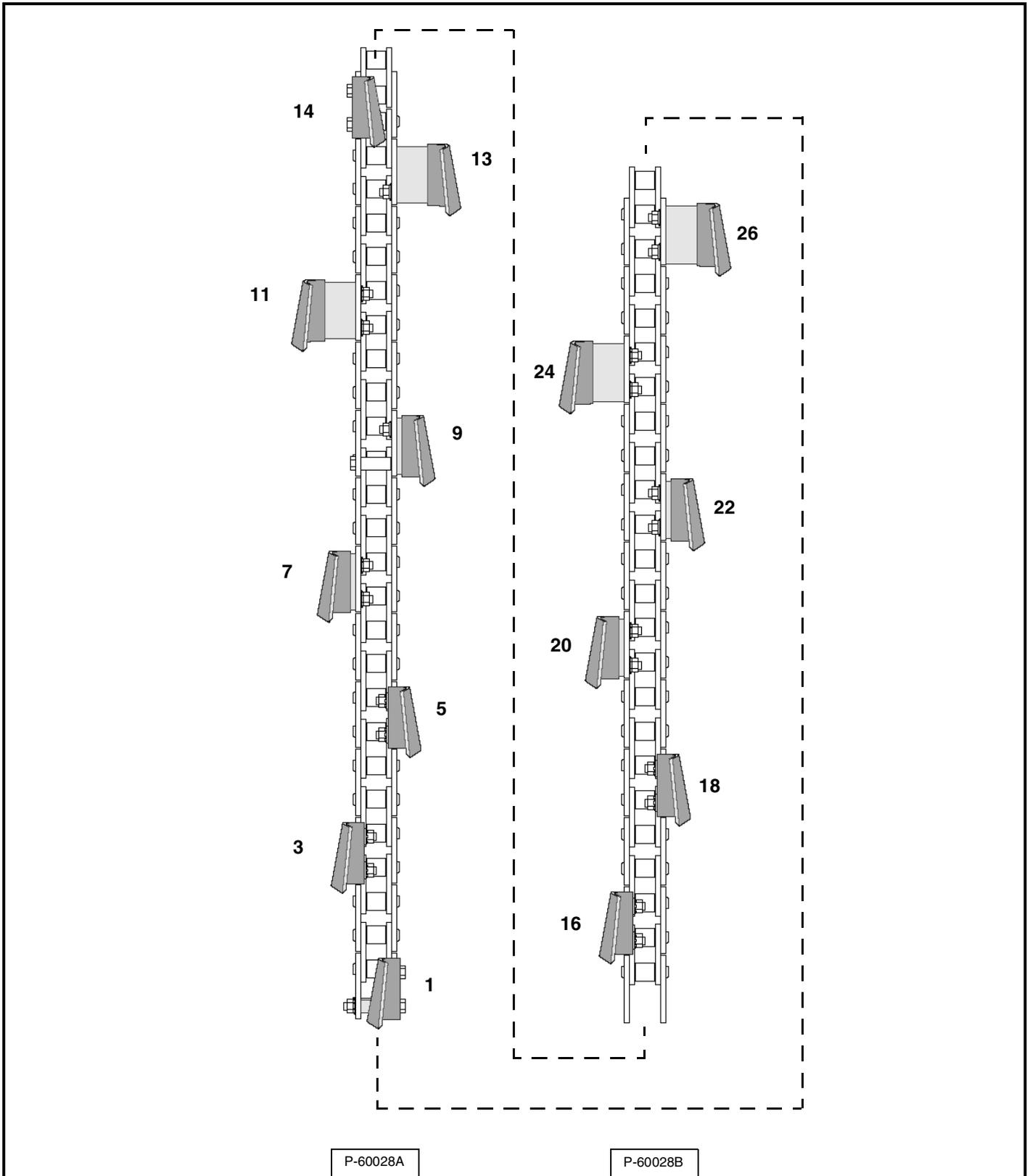


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6655759	RH Tooth	7
2	6655760	LH Tooth	7
3	83D6	Nut	26
4	17C616	Bolt	11
5	17C620	Bolt	8
6	17C640	Bolt	8
7	6702159	Spacer	4
8	6701880	Bushing (Used on connecting link only)	1
9	6713795	Bushing	4
10	17C644	Bolt	1
11	6959302	Chain (52 pitch)	1

SINGLE STANDARD PATTERNS (CONT'D)

2 Ft. x 8 In. Cup Tooth Pattern Installation

Instructions: Install teeth 1 thru 26 as indicated below.





Bobcat®

DOUBLE STANDARD PATTERNS

Component Description

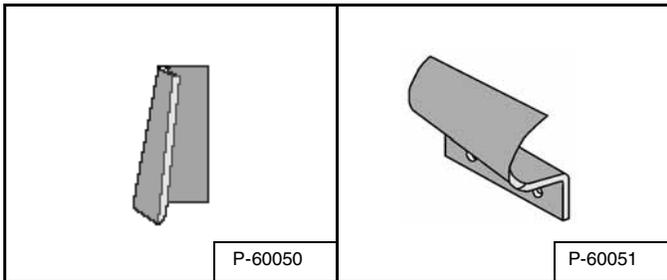


AVOID INJURY

Never strike tooth with a steel hammer or hard object. Hardened steel parts can shatter upon impact.

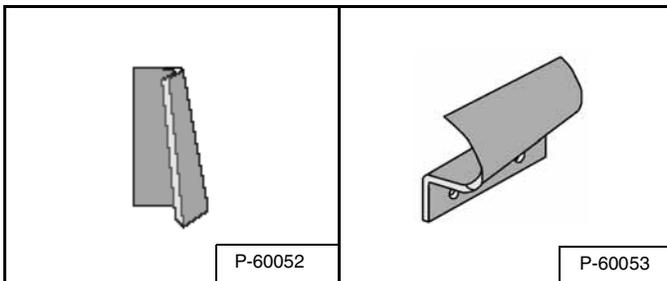
W-2114-0688

Figure 112-20-1



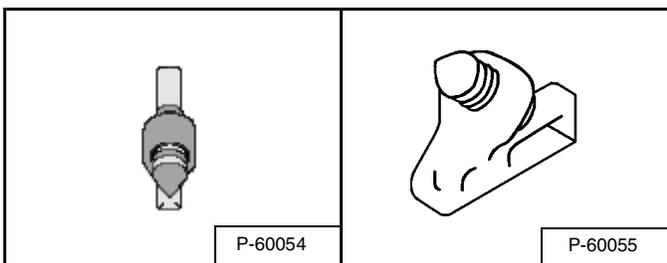
Right hand digging tooth [Figure 112-20-1].

Figure 112-20-2



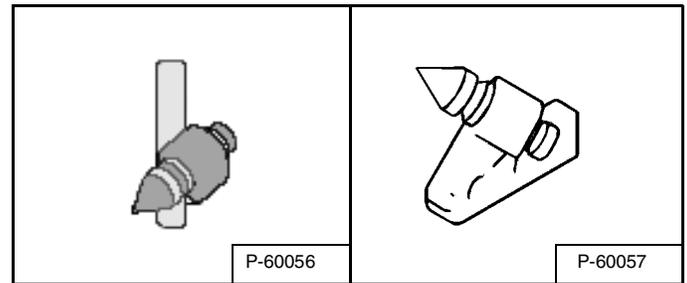
Left hand digging tooth [Figure 112-20-2].

Figure 112-20-3



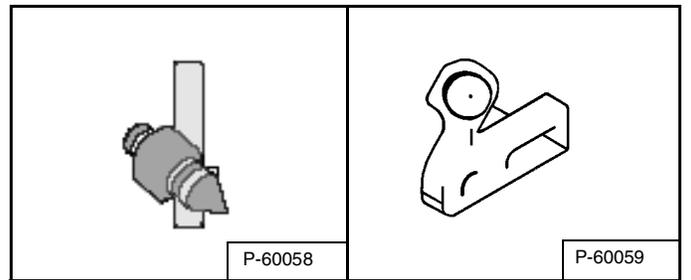
In-line holder assembly [Figure 112-20-3].

Figure 112-20-4



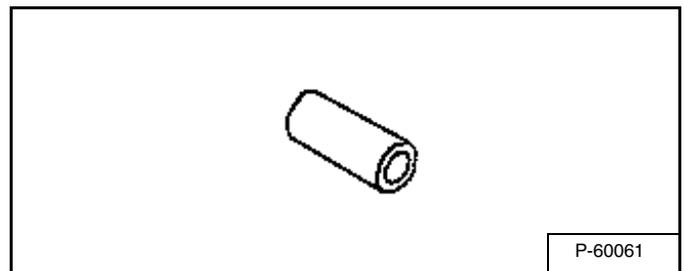
Right hand bit holder assembly [Figure 112-20-4].

Figure 112-20-5



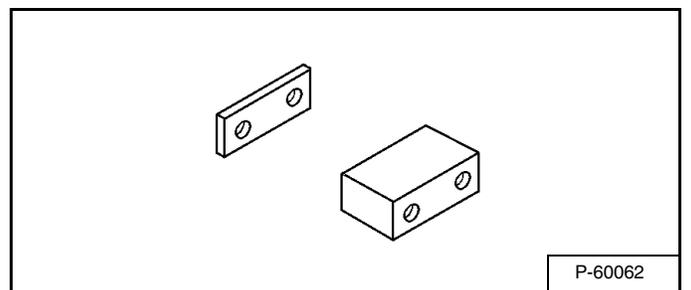
Left hand bit holder assembly [Figure 112-20-5].

Figure 112-20-6



Bushing [Figure 112-20-6].

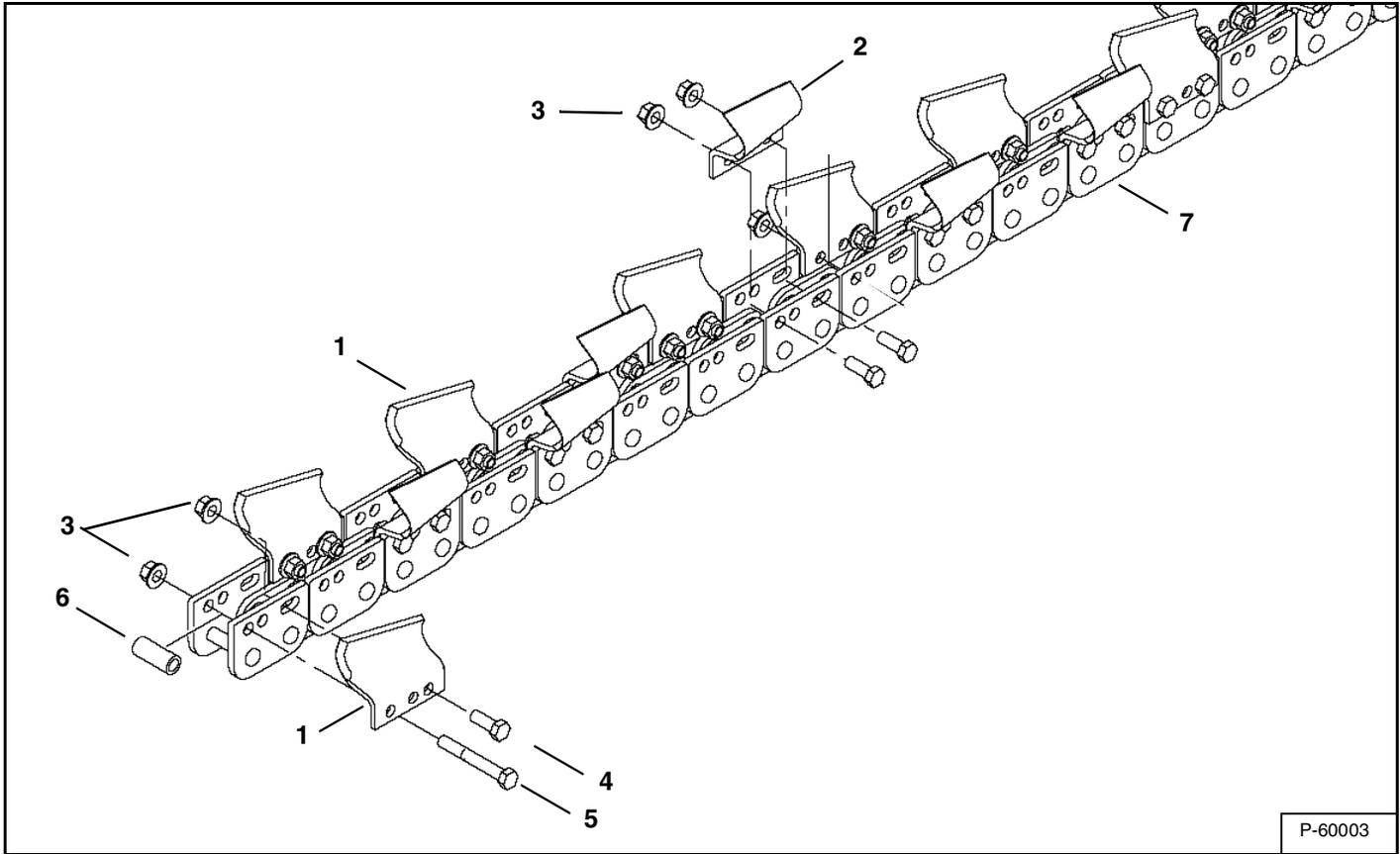
Figure 112-20-7



Spacers [Figure 112-20-7].

DOUBLE STANDARD PATTERNS (CONT'D)

2 Ft. x 4 In. Cup Tooth Parts Identification



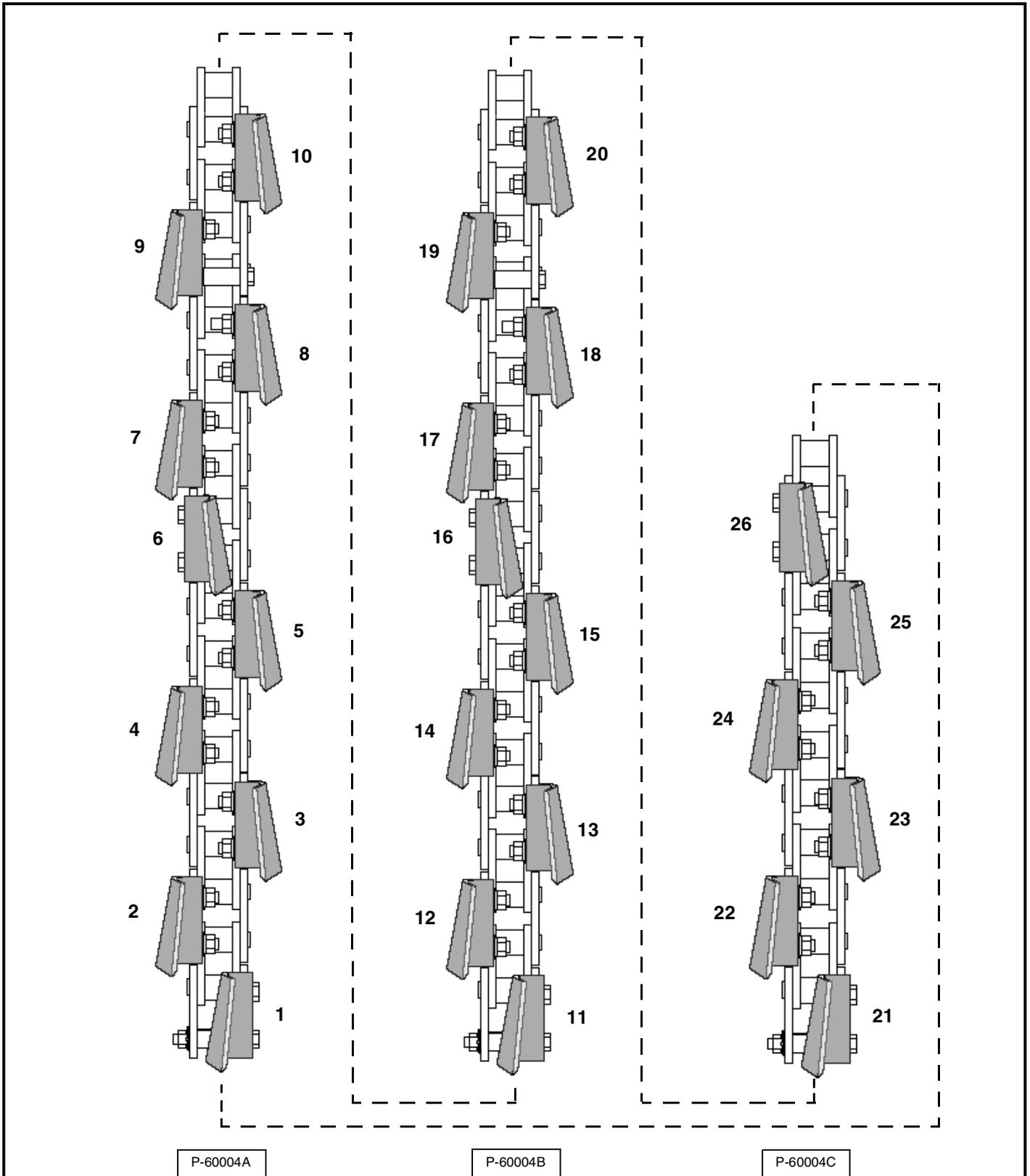
P-60003

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6655759	RH Tooth	13
2	6655760	LH Tooth	13
3	83D6	Nut	52
4	17C616	Bolt	51
5	17C644	Bolt	1
6	6701880	Bushing (Used on connecting link only)	1
7	6959302	Chain (52 pitch)	1

DOUBLE STANDARD PATTERNS (CONT'D)

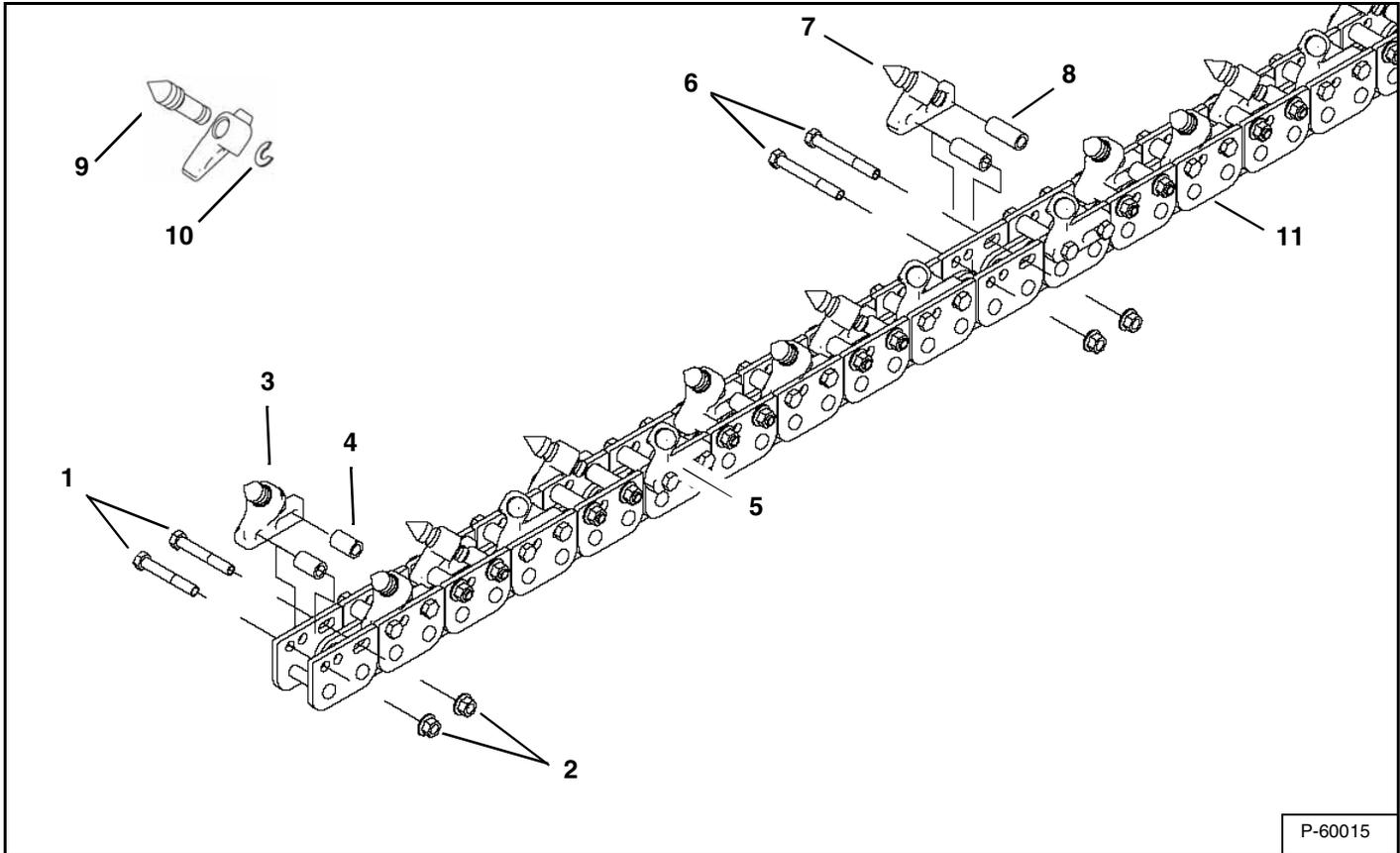
2 Ft. x 4 In. Cup Tooth Pattern Installation

Instructions: Install teeth 1 thru 26 as indicated below.



DOUBLE STANDARD PATTERNS (CONT'D)

2 Ft. x 4 In. Carbide Tooth Parts Identification



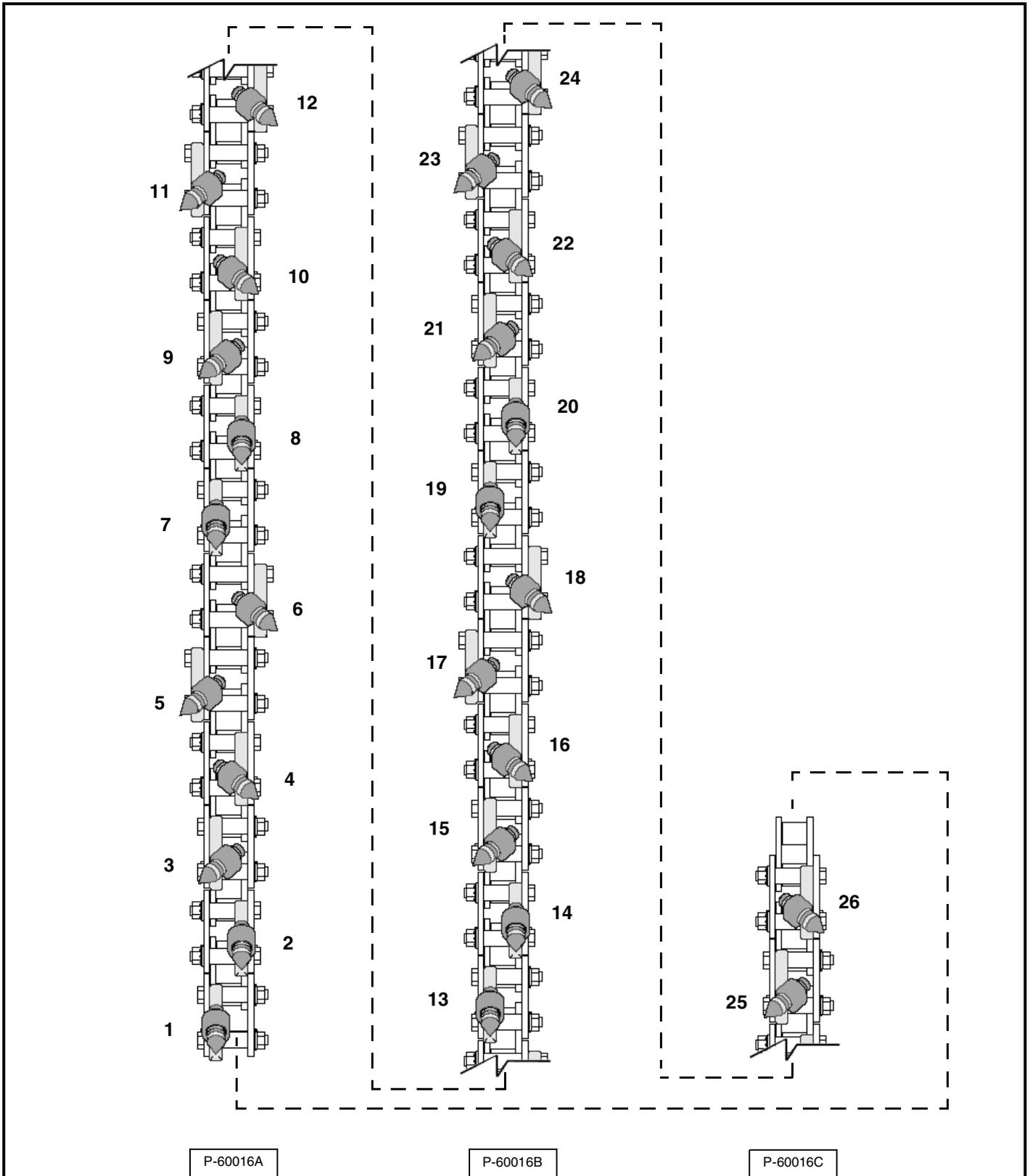
P-60015

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	17C640	Bolt	36
2	83D6	Nut	52
3	6655758	In-line Bit Holder	8
4	6701878	Bushing	16
5	6655756	LH Bit Holder	9
6	17C648	Bolt	16
7	6655757	RH Bit Holder	9
8	6701880	Bushing	16
9	6655755	Bit	26
10	6633840	Clip	26
11	6959302	Chain (52 pitch)	1

DOUBLE STANDARD PATTERNS (CONT'D)

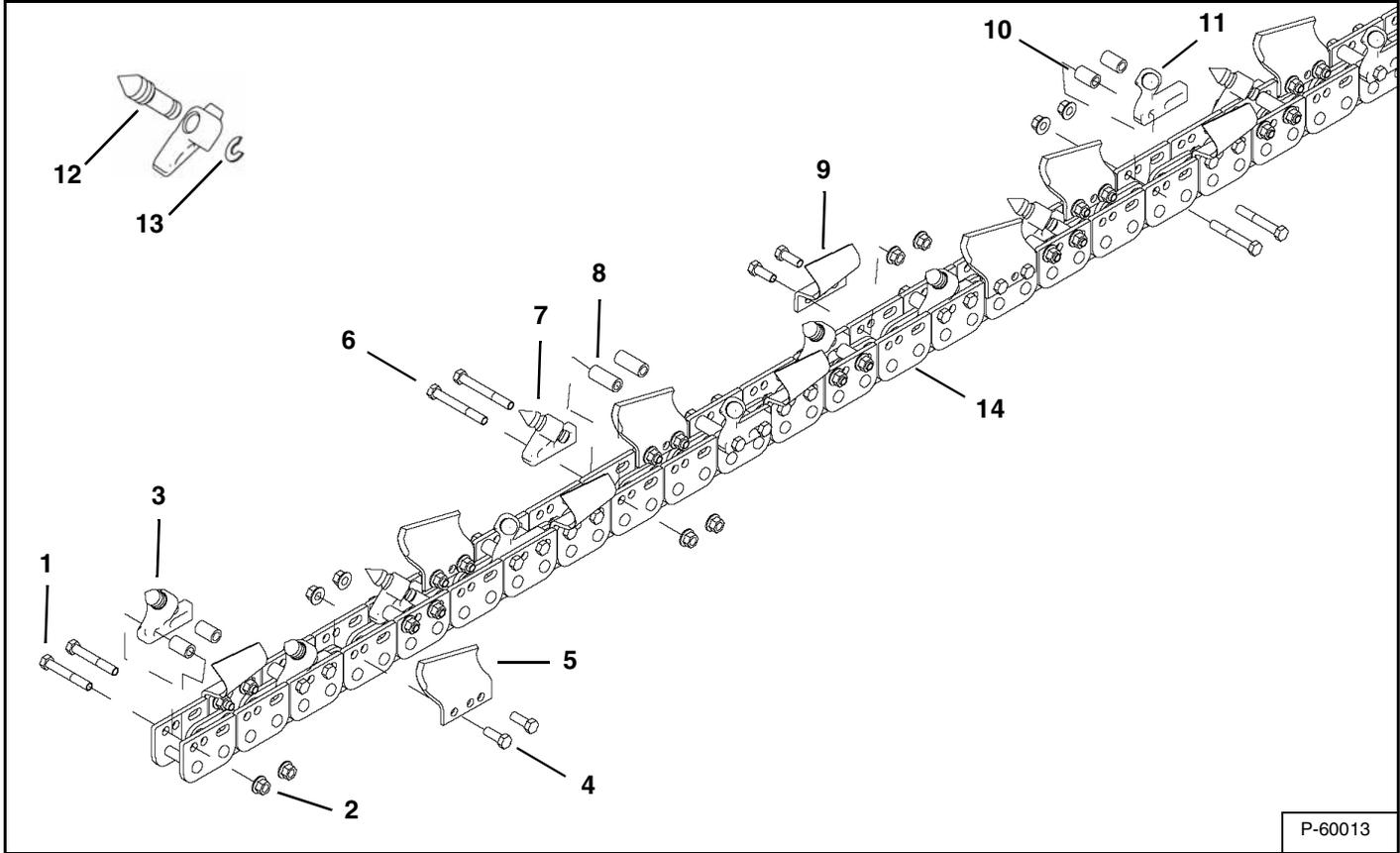
2 Ft. x 4 In. Carbide Tooth Pattern Installation

Instructions: Install teeth 1 thru 26 as indicated below.



DOUBLE STANDARD PATTERNS (CONT'D)

2 Ft. x 4 In. Cup Tooth/Carbide Tooth Parts Identification



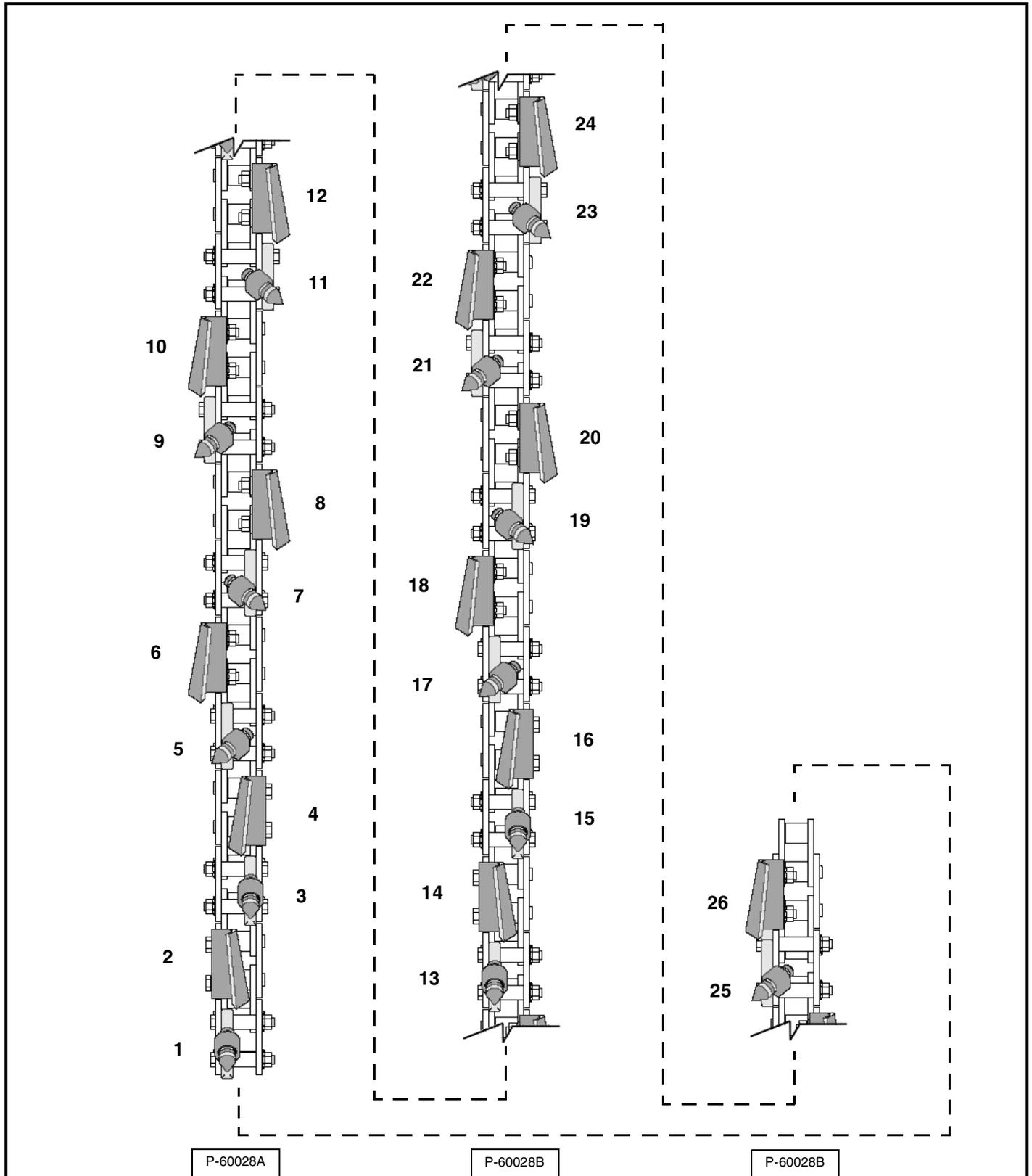
P-60013

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	17C640	Bolt	16
2	83D6	Nut	52
3	6655758	In-line Bit Holder	4
4	17C616	Bolt	26
5	6655759	RH Tooth	7
6	17C648	Bolt	10
7	6655757	RH Bit Holder	5
8	6701880	Bushing	10
9	6655760	LH Tooth	6
10	6701878	Bushing	16
11	6655756	LH Bit Holder	4
12	6655755	Bit	13
13	6633840	Clip	13
14	6959302	Chain (52 pitch)	1

DOUBLE STANDARD PATTERNS (CONT'D)

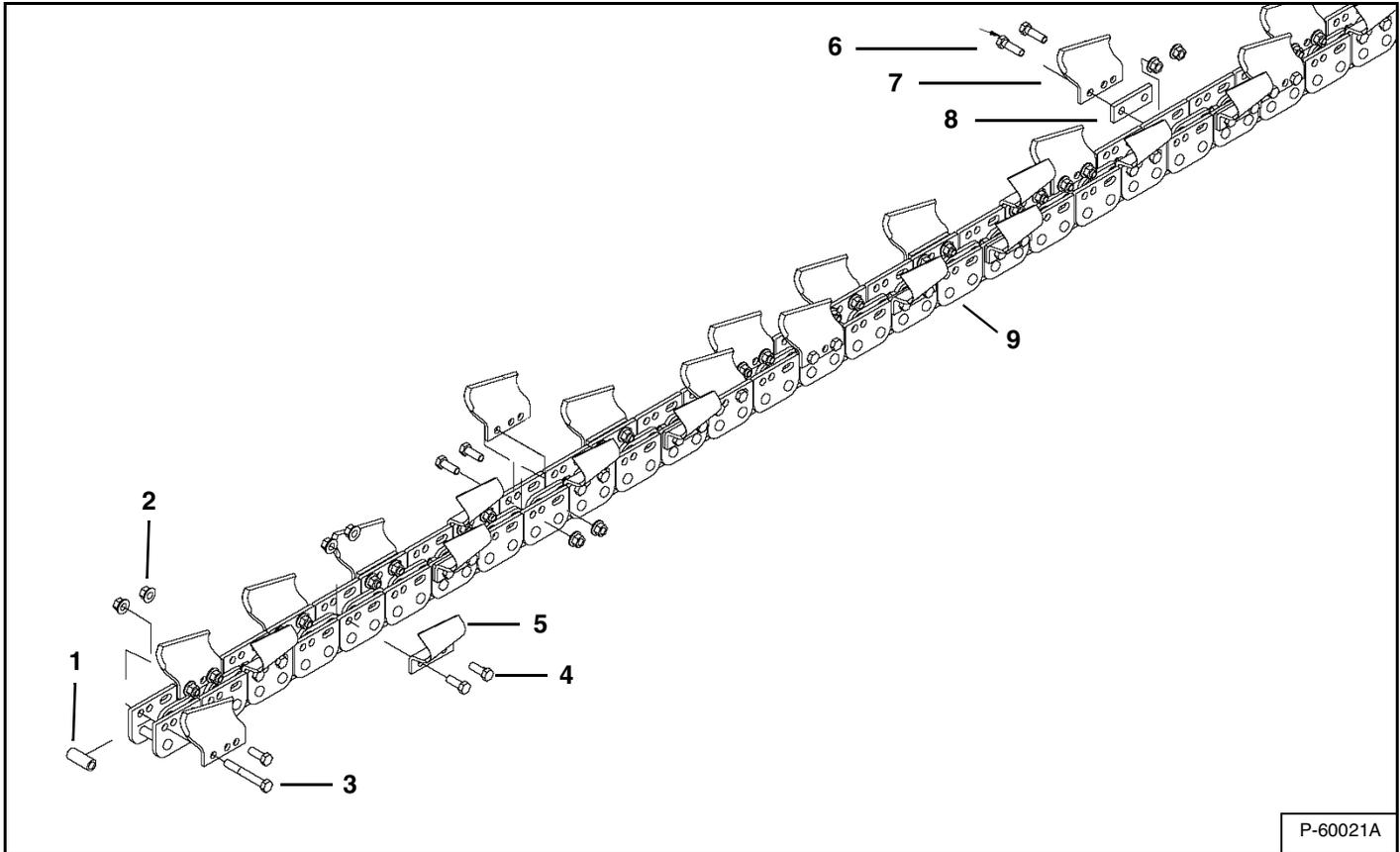
2 Ft. x 4 In. Cup Tooth/Carbide Tooth Pattern Installation

Instructions: Install teeth 1 thru 26 as indicated below.



DOUBLE STANDARD PATTERNS (CONT'D)

2 Ft. x 6 In. Cup Tooth Parts Identification



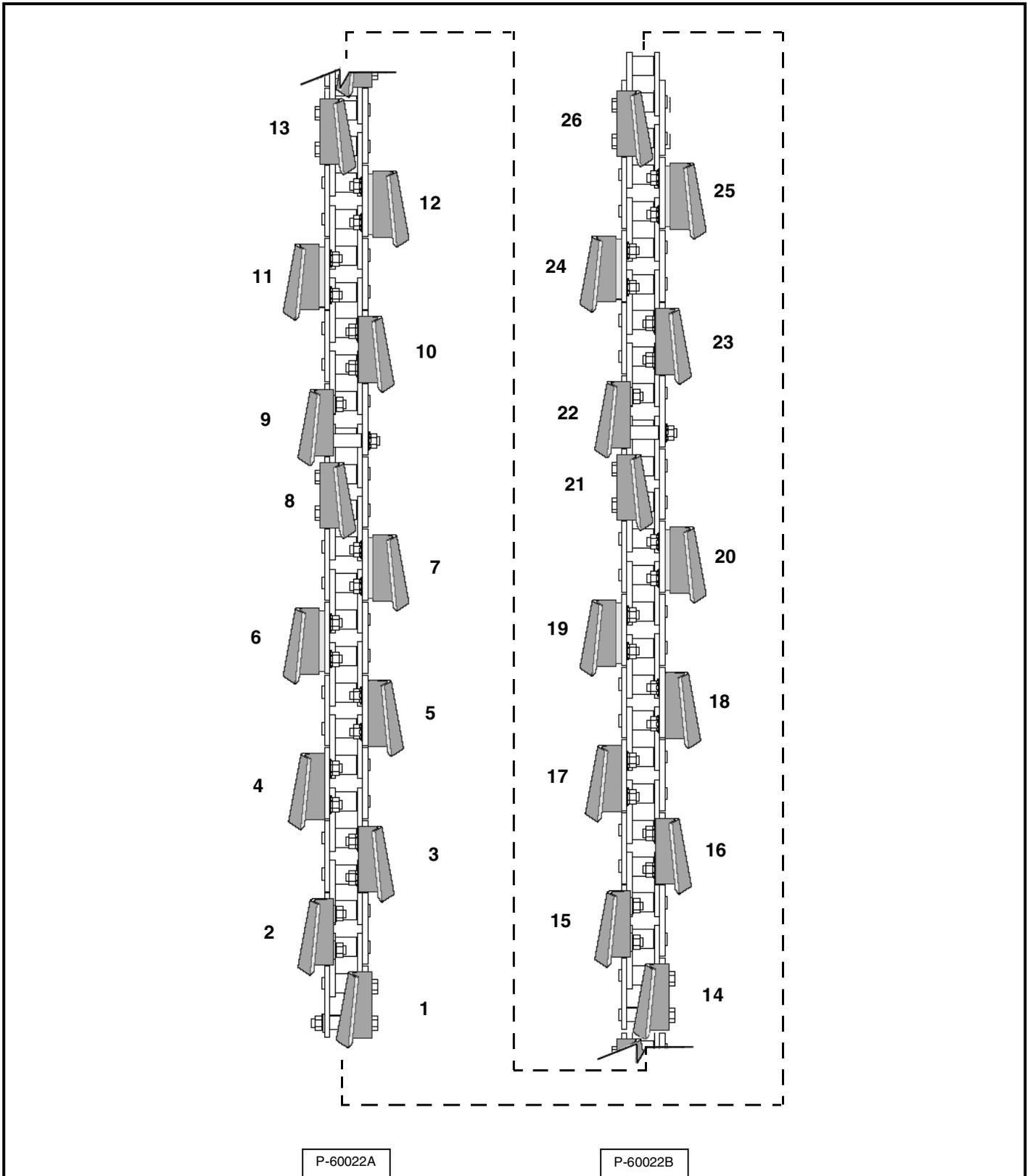
P-60021A

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6701880	Bushing (Used on connecting link only)	1
2	83D6	Nut	52
3	17C644	Bolt	1
4	17C616	Bolt	35
5	6655760	LH Tooth	14
6	17C620	Bolt	16
7	6655759	RH Tooth	12
8	6713795	Spacer	8
9	6959302	Chain (52 pitch)	1

DOUBLE STANDARD PATTERNS (CONT'D)

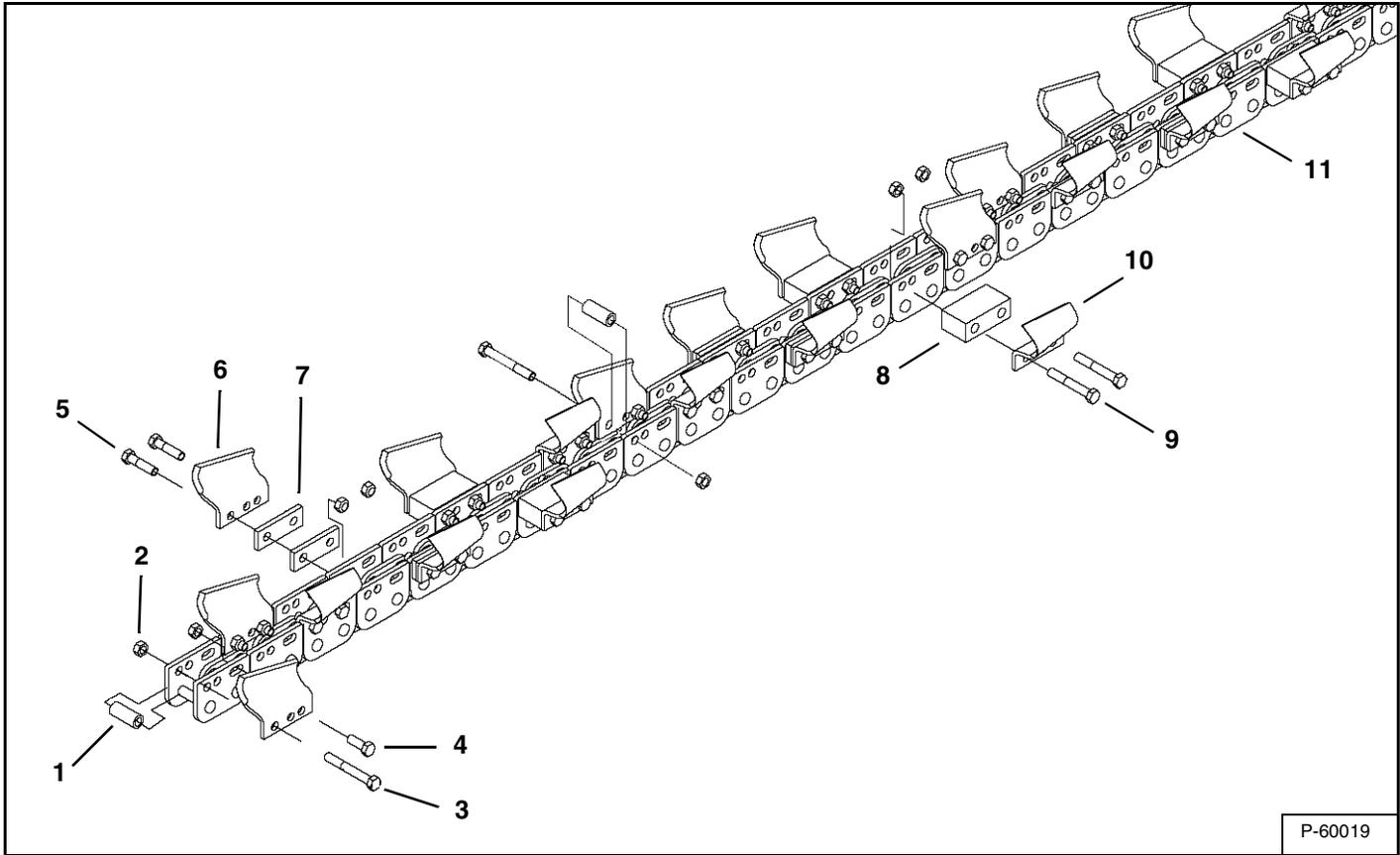
2 Ft. x 6 In. Cup Tooth Pattern Installation

Instructions: Install teeth 1 thru 26 as indicated below.



DOUBLE STANDARD PATTERNS (CONT'D)

2 Ft. x 8 In. Cup Tooth Parts Identification



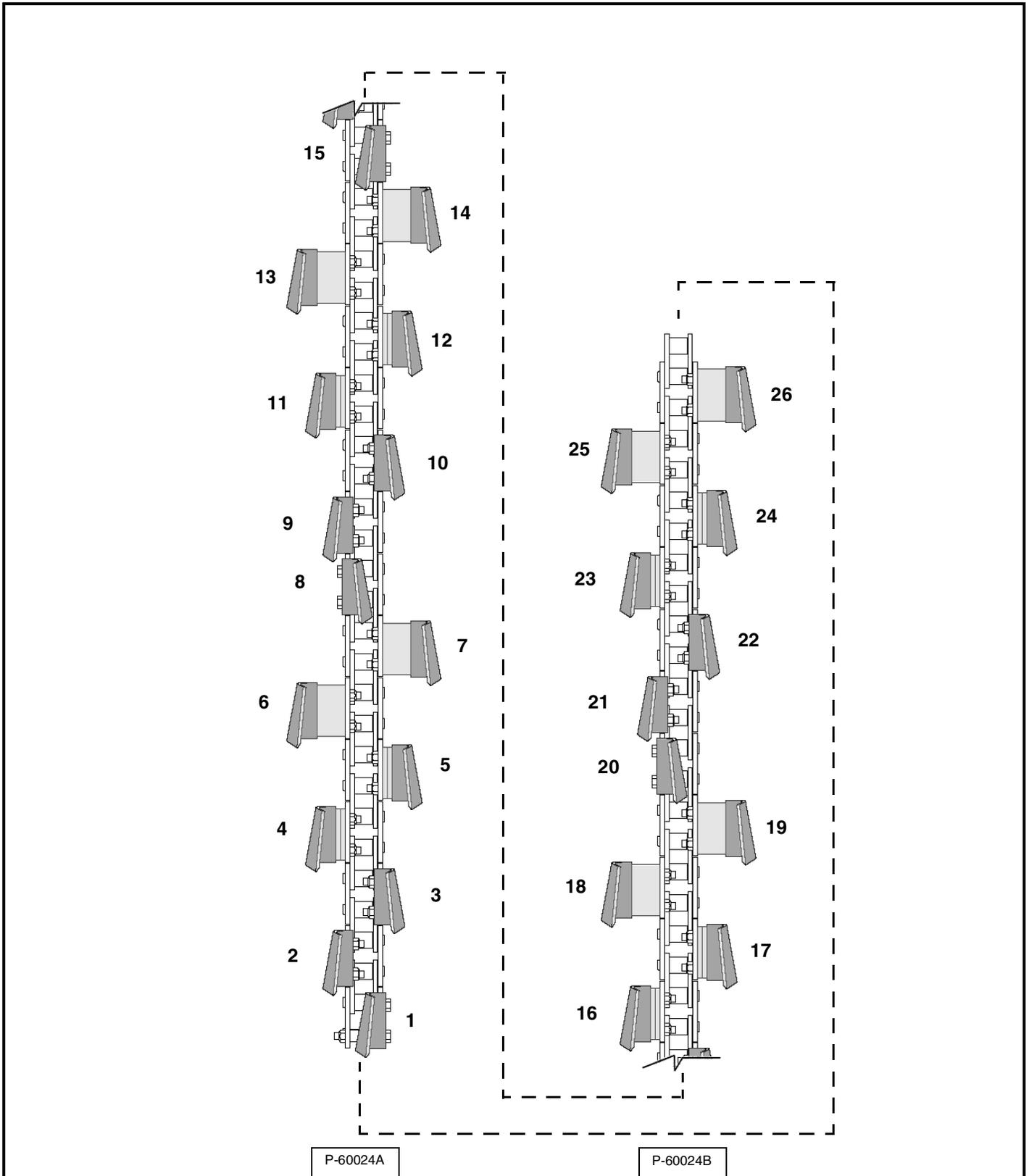
P-60019

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6701880	Bushing (Used on connecting link only)	2
2	83D6	Nut	52
3	17C644	Bolt	1
4	17C616	Bolt	19
5	17C624	Bolt	16
6	6655759	RH Tooth	13
7	6713795	Spacer	16
8	6702159	Spacer	6
9	17C640	Bolt	16
10	6655760	LH Tooth	13
11	6959302	Chain (52 pitch)	1

DOUBLE STANDARD PATTERNS (CONT'D)

2 Ft. x 8 In. Cup Pattern Installation

Instructions: Install teeth 1 thru 26 as indicated below.





LT113 TRENCHERS

**LT113
TRENCHERS**

SINGLE STANDARD PATTERNS	113-10-1
Component Description	113-10-1
3 Ft. x 4 In. Cup Tooth Parts Identification	113-10-2
3 Ft. x 4 In. Cup Tooth Pattern Installation	113-10-3
3 Ft. x 6 In. Cup Tooth Parts Identification	113-10-4
3 Ft. x 6 In. Cup Tooth Pattern Installation	113-10-5
3 Ft. x 8 In. Cup Tooth Parts Identification	113-10-6
3 Ft. x 8 In. Cup Tooth Pattern Installation	113-10-7
 DOUBLE STANDARD PATTERNS	 113-20-1
Component Description	113-20-1
3 Ft. x 4 In. Cup Tooth Parts Identification	113-20-2
3 Ft. x 4 In. Cup Tooth Pattern Installation	113-20-3
3 Ft. x 4 In. Carbide Tooth Parts Identification	113-20-4
3 Ft. x 4 In. Carbide Tooth Pattern Installation	113-20-5
3 Ft. x 4 In. Cup Tooth/Carbide Tooth Parts Identification	113-20-6
3 Ft. x 4 In. Cup Tooth/Carbide Tooth Pattern Installation	113-20-7
3 Ft. x 6 In. Cup Tooth Parts Identification	113-20-8
3 Ft. x 6 In. Cup Tooth Pattern Installation	113-20-9
3 Ft. x 8 In. Cup Tooth Parts Identification	113-20-10
3 Ft. x 8 In. Cup Tooth Pattern Installation	113-10-11

Product: 2006 Bobcat LT112,MX112,LT113,LT213,LT313,LT414 Trencher Chain Pattern Manual

Full Download: <https://www.arepairmanual.com/downloads/2006-bobcat-lt112mx1>

[12lt113lt213lt313lt414-trencher-chain-pattern-manual/](https://www.arepairmanual.com/downloads/2006-bobcat-lt112mx112lt113lt213lt313lt414-trencher-chain-pattern-manual/)



Sample of manual. Download All 180 pages at:

<https://www.arepairmanual.com/downloads/2006-bobcat-lt112mx112lt113lt213lt313lt414-trencher-chain-pattern-manual/>