MUSKDX PARTS MANUAL

MODELS 25-60, 25-78 & 25-90



601 FIRST STREET NORTH | MENTOR, MN 56736 PH: 218.288.1905 | WEB: WWW.MUSKOXMN.COM

TABLE OF CONTENTS

LOADER HOSES

PREFACE 5
AUGER CHAIN & CHAIN TENSIONER 6
AUGER MOTOR 7
BACKDRAG POLES 8
CHUTE ASSEMBLY & CHUTE MOTOR 9
CUTTING EDGES
25-60 10
25-78 11
25-90 12
DECAL GRAPHICS KIT
ELECTRONICS 14
WIRING HARNESS SETUP 15
HYDRAULICS - CONTROL BLOCK ASSY
25-60 16
25-78 17
25-90 18
HYDRAULICS
AUGER HOSES 19
CHUTE DEFELCTION HOSES 20
CHUTE ROTATE HOSES 21
IMPELLER MOTOR HOSES
IMPELLER MOTOR

STANDARD 2	24
BOBCAT 2	25
SINGLE ARM / RIGHT SIDE 2	26
IMPELLER 2	27
LEVELING WHEEL	28
LOWER AUGER	
25-60 2	29
25-78 3	30
25-90 3	31
MOUNTING PLATE 3	32
PLASTICS - GLIDE PLATE	33
PLASTIC WEAR KITS	
25-60 3	34
25-78 3	35
25-90 3	36
SIDE FINS 3	37
UPPER AUGER	
25-60 3	38
25-78 3	39
25-90 4	10
BOLT TORQUE SPECIFICATIONS	11





INTRODUCTION

For your safety and continued proper operation, use only genuine Muskox service parts. When ordering service parts, specify the correct part number, full de- scription, quantity required, and the unit model number and serial number.

The model and serial number plate is located left of the chute on the fan housing (see below).

Muskox reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units. **NOTE:** The illustrations and data used in this manual were current (according to the information available to us) at the time of printing, however, we reserve the right to redesign and change the attachment as may be necessary without notification.

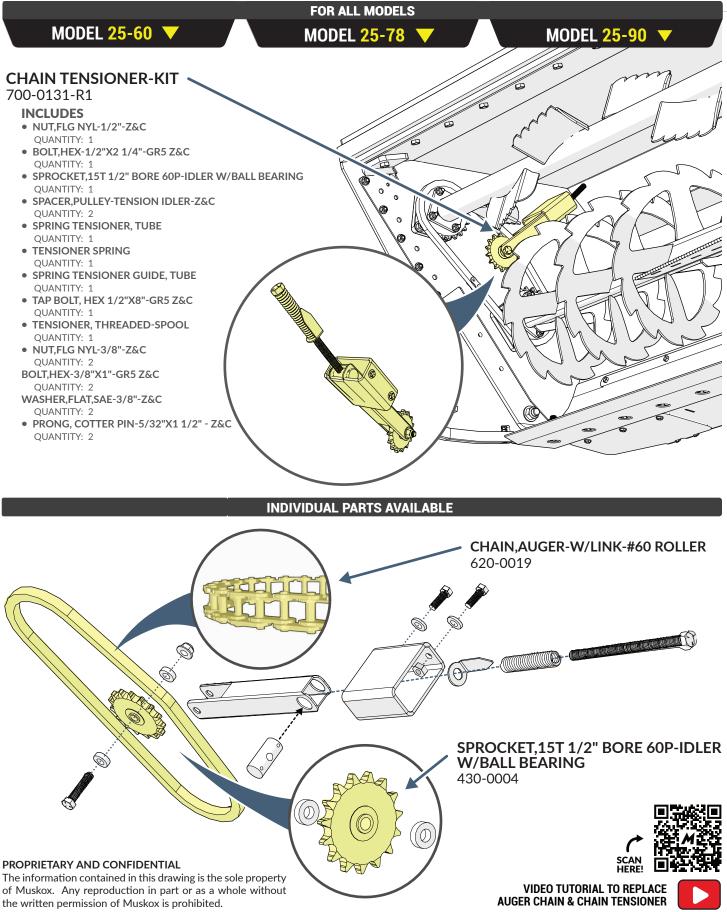
Standard attaching hardware torque values are provided on the last page of this manual.

Items shown in the parts list that do not have part numbers are shown for reference purposes only and are NOT available for purchase.



For the most updated information on MUSKOX products and services, please visit www .muskoxmn .com/support. There you will find service and maintenance videos, tips, advice and more.

AUGER CHAIN & CHAIN TENSIONER



6 - MUSKOX PARTS MANUAL

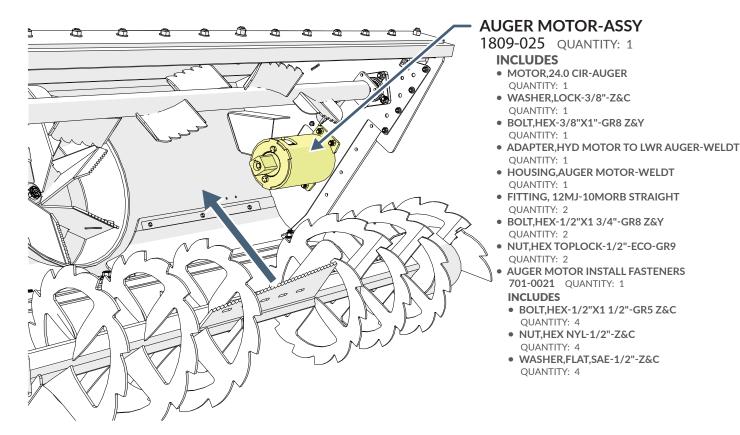
PH: 218-288-1905

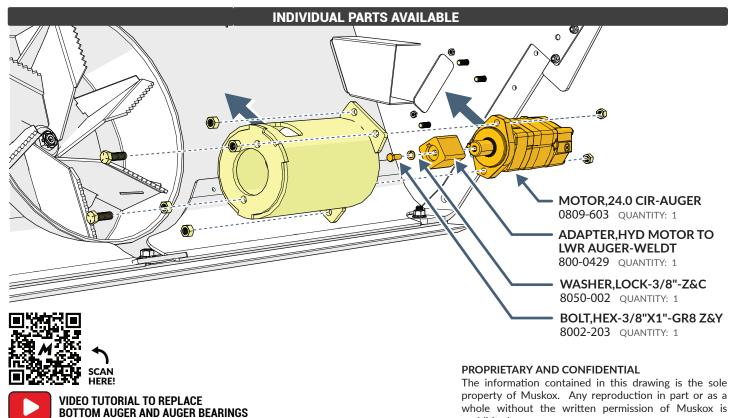
AUGER MOTOR

MODEL 25-60

FOR ALL MODELS

MODEL 25-90 🔻





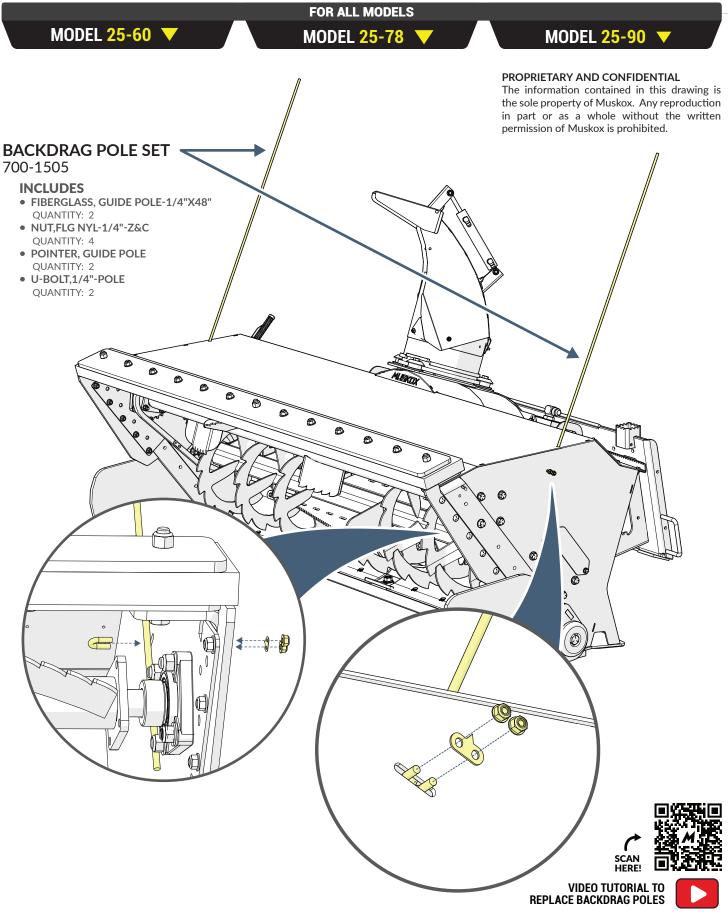
MUSKOX MODELS 25-60, 25-78 & 25-90

PH: 218-288-1905

prohibited.

MUSKOX PARTS MANUAL - 7

BACKDRAG POLES



CHUTE ASSEMBLY & CHUTE MOTOR

FOR ALL MODELS

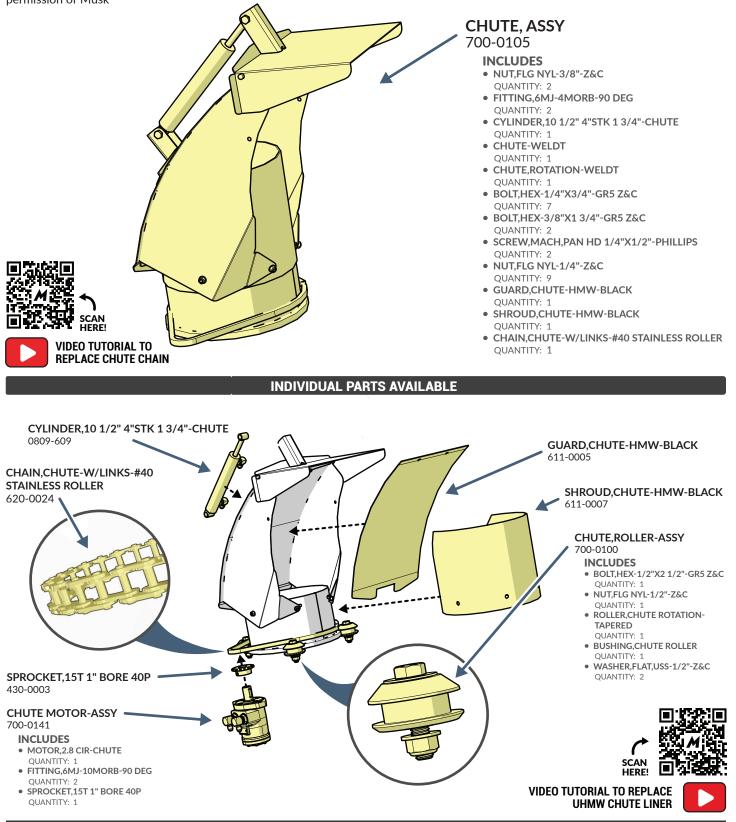
MODEL 25-60 🔻

MODEL 25-78

MODEL 25-90 **V**

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Musk

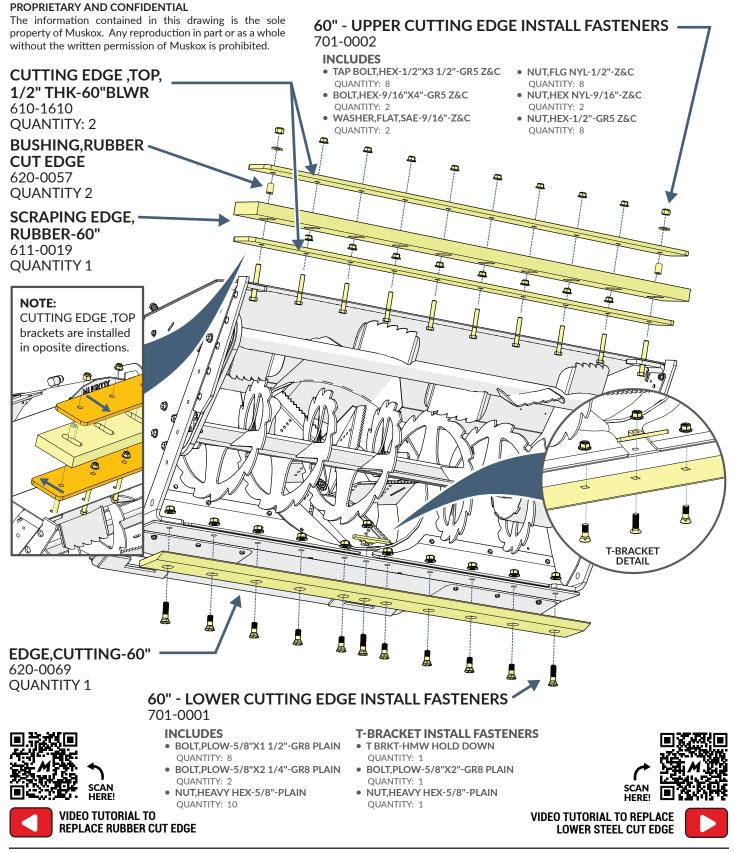


CUTTING EDGES

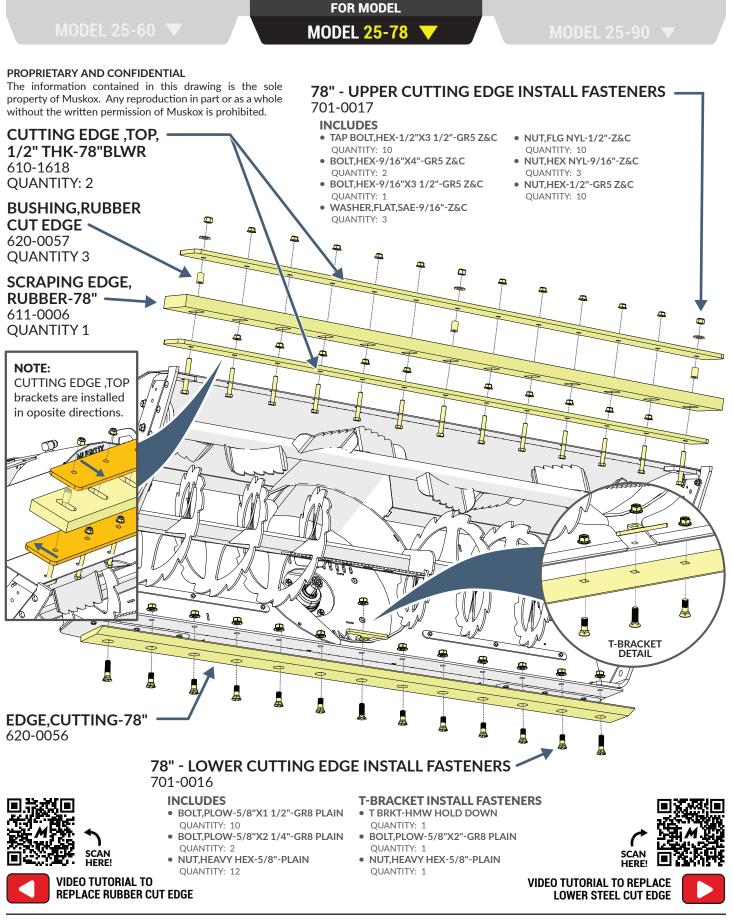
MODEL 25-60

MODEL 25-78

MODEL 25-90

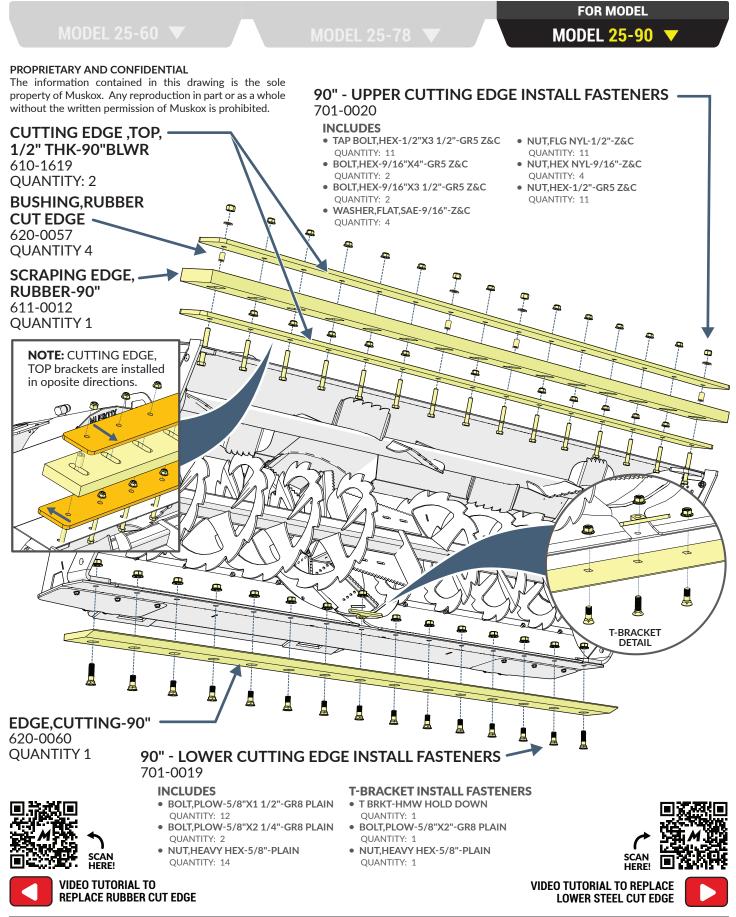


CUTTING EDGES



MUSKOX MODELS 25-60, 25-78 & 25-90

CUTTING EDGES



DECAL GRAPHICS KIT

FOR ALL MODELS

MODEL 25-60

MODEL 25-78

MODEL 25-90 **V**

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.

25-60 MODELS

KIT, GRAPHIC PACKAGE-2560/BLACK

0309-2560B QUANTITY: 1



KIT,GRAPHIC PACKAGE-2560/POALR 0309-2560W QUANTITY: 1



25-78 MODELS

KIT, GRAPHIC PACKAGE-2578/BLACK 0309-2578B QUANTITY: 1

R 17

MUSKOX

KIT,GRAPHIC PACKAGE-2578/POLAR 0309-2578W QUANTITY: 1



25-90 MODELS

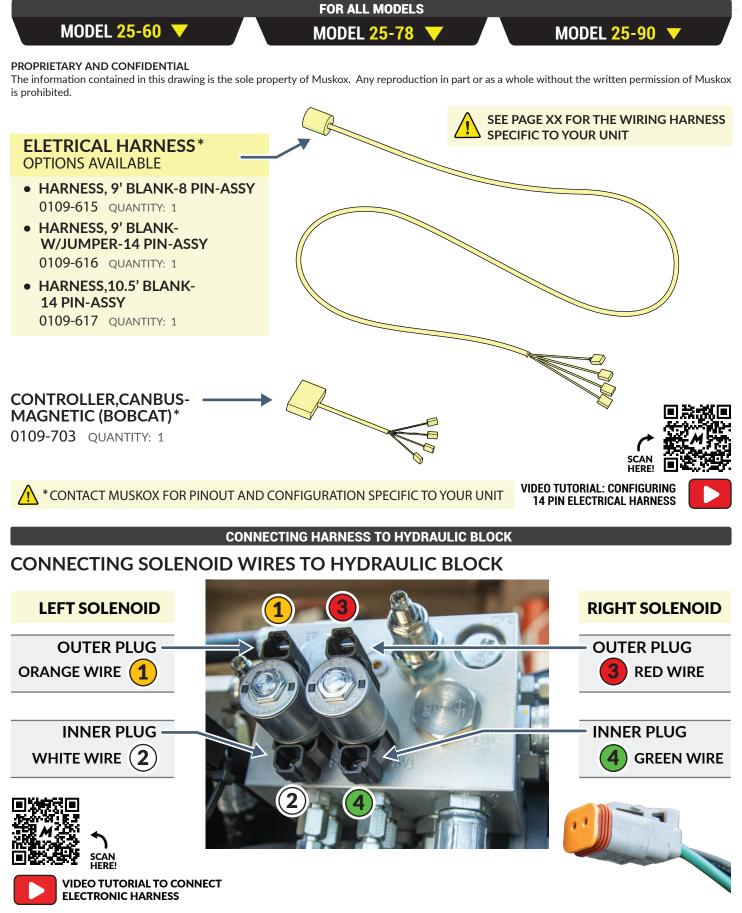
KIT,GRAPHIC PACKAGE-2590/BLACK 0309-2590B QUANTITY: 1



KIT,GRAPHIC PACKAGE-2590/POLAR 0309-2590W QUANTITY: 1



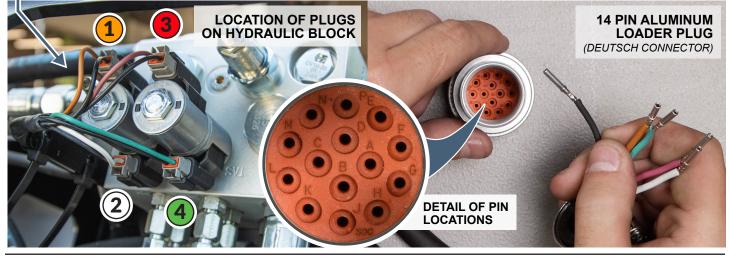
ELECTRONICS



14 - MUSKOX PARTS MANUAL

WIRING HARNESS SETUP

Wire Color			GREEN 4	RED 3		
Location of plugs on hydraulic block	Left Solenoid: Inner Plug Wire FN:Deflector Up	Left Solenoid: Outer Plug Wire FN:Deflector Down	Right Solenoid: Inner Plug Wire FN: Rotate Right	Right Solenoid: Outer Plug Wire FN:Rotate Left	Since and	
Brand, Color of cell is tape color on harness	Location c	loader plug	Ground Wire			
Bobcat	E	F	G	Н	В	
John Deere	E	D	С	G	А	
САТ	D	С	F	E	B, If XPS:(K) If XHP:(N)	
Kubota	G	Н	F	E	В	
JCB	E	E F G		Н	В	
Volvo	E	F	G	Н	В	
New Holland	D	С	E	F	В	
Case	se D C E		E	F	В	
Wacker E		F	D	С	В	
Takeuchi	E	F	D	С	В	
Joystick Controller	E	F	D	С	В	
ASV (8 PIN)	G (red wire)	B (white wire)	C (green wire)	D (orange wire)	А	



MUSKOX MODELS 25-60, 25-78 & 25-90

PH: 218-288-1905

(2)

HYDRAULICS - CONTROL BLOCK ASSY

MODEL 25-60

MODEL 25-78 `

MODEL 25-90

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.

60"-24",CONTROL BLOCK-VALVE/HOSE ASSY 700-0123

- **INCLUDES ALL OF THE FOLLOWING**
- BLOCK,CONTROL-2 VALVE
- QUANTITY: 1 • FITTING,6MJ-8MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-12MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-16MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-12MORB-90 DEG QUANTITY: 2
- FITTING,6MJ-6MORB STRAIGHT QUANTITY: 2
- FITTING,6MJ-6MORB STRAIGHT-.031 ORIFICE QUANTITY: 2
- GEROLLER MOTOR FITTINGS 700-1007 QUANTITY: 1
 - FITTING,12MJ-12MORB STRAIGHT QUANTITY: 1
 - FITTING,12MJ-12MORB-90 DEG QUANTITY: 1
 - FITTING,6MJ-4MORB-90 DEG QUANTITY: 1
- ALSO INCLUDES ALL PARTS LISTED BELOW

INDIVIDUAL PARTS AVAILABLE

LOADER HOSES

- FOR STANDARD LOADERS
 SEE PAGE 24
- FOR BOBCAT LOADERS SEE PAGE 25
- FOR RIGHT SIDE/SINGLE ARM LOADERS SEE PAGE 26
- AUGER FLOW CONTROL, (SEE PAGE 22 FOR DETAILS) BLOCK-VALVE/HOSE ASSY

(SEE PAGE 20 FOR DETAILS)

700-0126 QUANTITY: 1 INCLUDES: HOSE,FAN-34"-ASSY QUANTITY: 1

DEFLECTOR HOSES

- HOSE, DEFLECTOR-53"-ASSY 1809-026 QUANTITY: 1
- HOSE, DEFLECTOR-59"-ASSY 1809-027 QUANTITY: 1
- SLEEVE,HOSE-CTL-1 1/4"X48" 0809-017 QUANTITY: 1

ROTATE MOTOR HOSES	(SEE PAGE 21 FOR DETAILS)
• HOSE,ROTATE-31"-ASSY 1809-025 QUANTITY: 2	
IMPELLER MOTOR HOSES	(SEE PAGE 22 FOR DETAILS)
• HOSE,FAN-34"-ASSY 1809-021 QUANTITY: 1	
• HOSE,LARGE FAN-23"-ASSY 1809-031 QUANTITY: 1	
• HOSE,CASE DRAIN-25"-ASSY 1809-028 QUANTITY: 1	
AUGER MOTOR HOSES	(SEE PAGE 19 FOR DETAILS)
• HOSE,AUGER-31.5"-ASSY 1809-033 QUANTITY: 1	
• HOSE,AUGER-70"-ASSY 1809-032 QUANTITY: 1	
• HOSE,SUPPORT-STRAP 700-0161 QUANTITY: 1	

HYDRAULICS - CONTROL BLOCK ASSY

MODEL 25-60 🔍

MODEL 25-78

MODEL 25-90

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.

78"-24",CONTROL BLOCK-VALVE/HOSE ASSY 700-0124

- **INCLUDES ALL OF THE FOLLOWING**
- BLOCK,CONTROL-2 VALVE
- QUANTITY: 1 • FITTING,6MJ-8MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-12MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-16MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-12MORB-90 DEG QUANTITY: 2
- FITTING,6MJ-6MORB STRAIGHT QUANTITY: 2
- FITTING,6MJ-6MORB STRAIGHT-.031 ORIFICE QUANTITY: 2
- GEROLLER MOTOR FITTINGS 700-1007 QUANTITY: 1
 - FITTING,12MJ-12MORB STRAIGHT QUANTITY: 1
 - FITTING,12MJ-12MORB-90 DEG QUANTITY: 1
 - FITTING,6MJ-4MORB-90 DEG QUANTITY: 1
- ALSO INCLUDES ALL PARTS LISTED BELOW

<complex-block>

INDIVIDUAL PARTS AVAILABLE

LOADER HOSES

- FOR STANDARD LOADERS
 SEE PAGE 24
- FOR BOBCAT LOADERS SEE PAGE 25
- FOR RIGHT SIDE/SINGLE ARM LOADERS SEE PAGE 26
- AUGER FLOW CONTROL, (SEE PAGE 22 FOR DETAILS) BLOCK-VALVE/HOSE ASSY

(SEE PAGE 20 FOR DETAILS)

700-0126 QUANTITY: 1 INCLUDES: HOSE,FAN-34"-ASSY QUANTITY: 1

DEFLECTOR HOSES

- HOSE, DEFLECTOR-53"-ASSY 1809-026 QUANTITY: 1
- HOSE, DEFLECTOR-59"-ASSY 1809-027 QUANTITY: 1
- SLEEVE,HOSE-CTL-1 1/4"X48" 0809-017 QUANTITY: 1

ATAIEABEE	
ROTATE MOTOR HOSES	(SEE PAGE 21 FOR DETAILS)
• HOSE,ROTATE-31"-ASSY 1809-025 QUANTITY: 2	
IMPELLER MOTOR HOSES	(SEE PAGE 22 FOR DETAILS)
 HOSE,FAN-34"-ASSY 	
1809-021 QUANTITY: 1	
• HOSE,LARGE FAN-23"-ASSY 1809-031 QUANTITY: 1	
HOSE,CASE DRAIN-25"-ASSY	
1809-028 QUANTITY: 1	
AUGER MOTOR HOSES	(SEE PAGE 19 FOR DETAILS)
• HOSE,AUGER-40.5"-ASSY	
1809-019 QUANTITY: 1	
HOSE,AUGER-79"-ASSY	
1809-020 QUANTITY: 1	
HOSE,SUPPORT-STRAP	
700-0161 QUANTITY: 1	

HYDRAULICS - CONTROL BLOCK ASSY

MODEL 25-60

MODEL 25-78

FOR MODEL

MODEL 25-90

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.

90"-24",CONTROL BLOCK-VALVE/HOSE ASSY 700-0122

- **INCLUDES ALL OF THE FOLLOWING**
- BLOCK,CONTROL-2 VALVE
- QUANTITY: 1 • FITTING,6MJ-8MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-12MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-16MORB STRAIGHT QUANTITY: 1
- FITTING,12MJ-12MORB-90 DEG QUANTITY: 2
- FITTING,6MJ-6MORB STRAIGHT QUANTITY: 2
- FITTING,6MJ-6MORB STRAIGHT-.031 ORIFICE QUANTITY: 2
- GEROLLER MOTOR FITTINGS 700-1007 QUANTITY: 1
 - FITTING,12MJ-12MORB STRAIGHT QUANTITY: 1
 - FITTING,12MJ-12MORB-90 DEG QUANTITY: 1
 - FITTING,6MJ-4MORB-90 DEG QUANTITY: 1
- ALSO INCLUDES ALL PARTS LISTED BELOW

<complex-block>

INDIVIDUAL PARTS AVAILABLE

LOADER HOSES

- FOR STANDARD LOADERS
 SEE PAGE 24
- FOR BOBCAT LOADERS SEE PAGE 25
- FOR RIGHT SIDE/SINGLE ARM LOADERS SEE PAGE 26
- AUGER FLOW CONTROL, (SEE PAGE 22 FOR DETAILS) BLOCK-VALVE/HOSE ASSY

(SEE PAGE 20 FOR DETAILS)

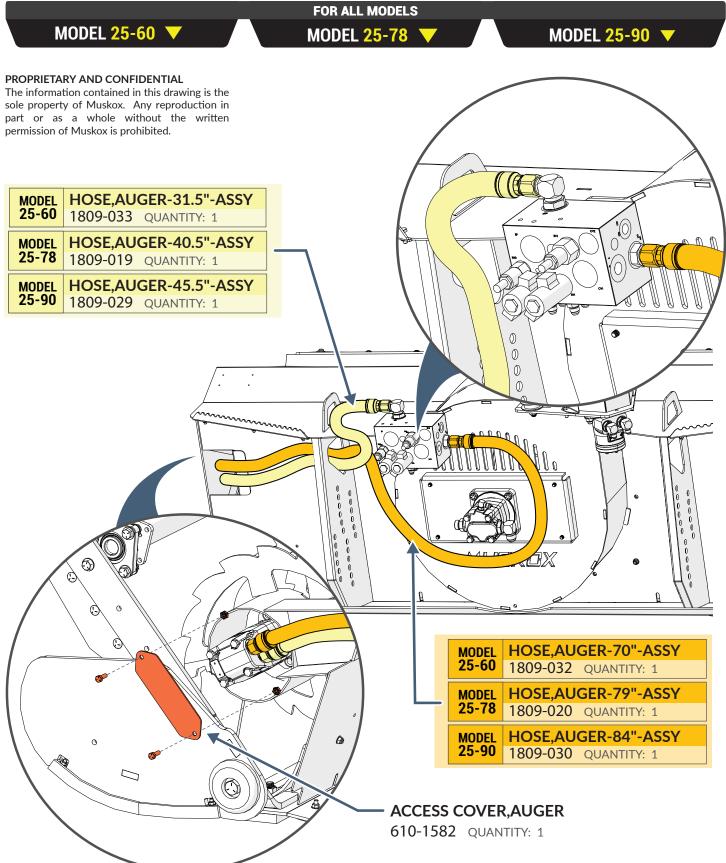
700-0126 QUANTITY: 1 INCLUDES: HOSE,FAN-34"-ASSY QUANTITY: 1

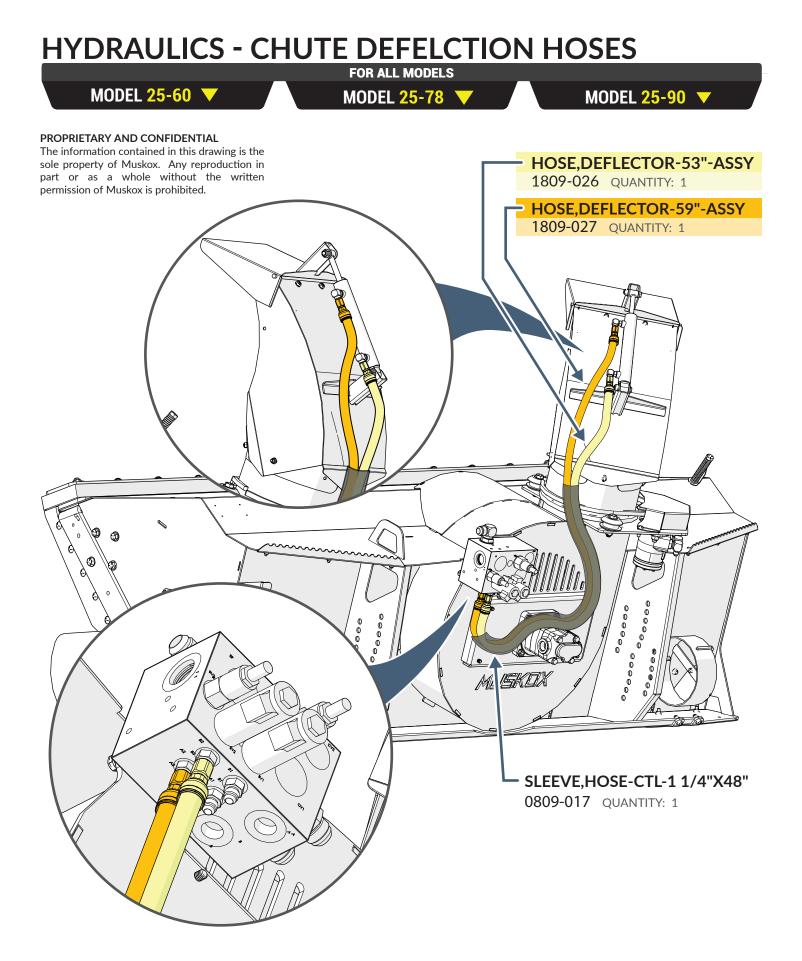
DEFLECTOR HOSES

- HOSE, DEFLECTOR-53"-ASSY 1809-026 QUANTITY: 1
- HOSE, DEFLECTOR-59"-ASSY 1809-027 QUANTITY: 1
- SLEEVE,HOSE-CTL-1 1/4"X48" 0809-017 QUANTITY: 1

ROTATE MOTOR HOSES	(SEE PAGE 21 FOR DETAILS)
• HOSE,ROTATE-31"-ASSY 1809-025 QUANTITY: 2	
IMPELLER MOTOR HOSES	(SEE PAGE 22 FOR DETAILS)
 HOSE,FAN-34"-ASSY 1809-021 QUANTITY: 1 HOSE,LARGE FAN-23"-ASSY 1809-031 QUANTITY: 1 HOSE,CASE DRAIN-25"-ASSY 1809-028 QUANTITY: 1 	
AUGER MOTOR HOSES	(SEE PAGE 19 FOR DETAILS)
 HOSE,AUGER-45.5"-ASSY 1809-029 QUANTITY: 1 HOSE,AUGER-84"-ASSY 1809-030 QUANTITY: 1 	
HOSE,SUPPORT-STRAP 700-0161 QUANTITY: 1	

HYDRAULICS - AUGER HOSES

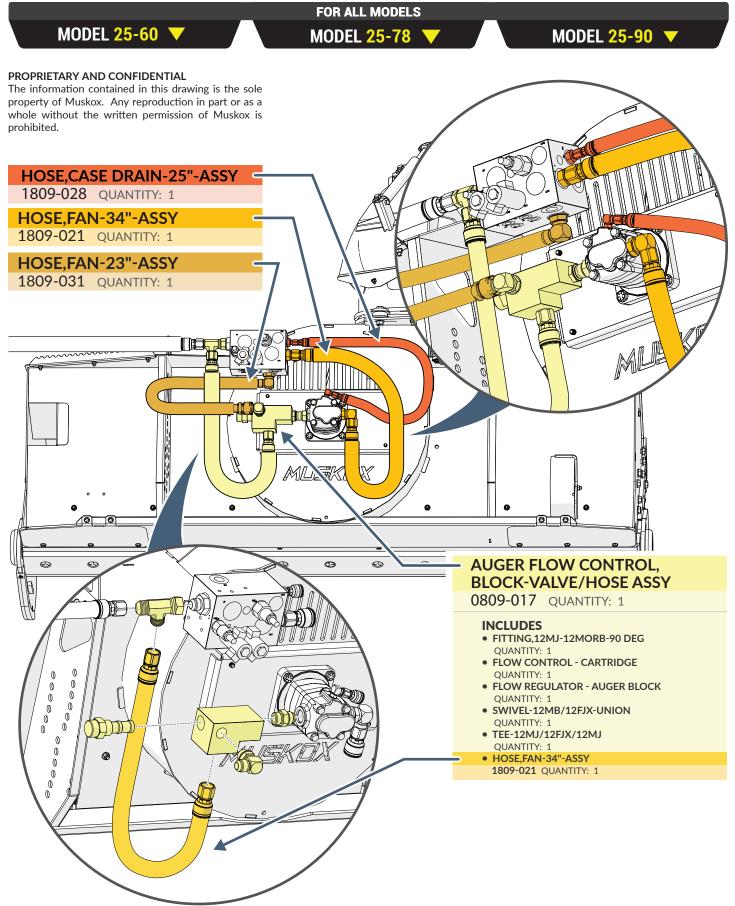




HYDRAULICS - CHUTE ROTATE HOSES

FOR ALL MODELS MODEL 25-60 V MODEL 25-90 🔻 MODEL 25-78 V PROPRIETARY AND CONFIDENTIAL The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited. c8 æ 6 ഭ Ø 0 000000 00000 0 0 000 000 MUSKOX Ø HOSE, ROTATE-31"-ASSY 1809-025 QUANTITY: 1 HOSE, ROTATE-31"-ASSY 1809-025 QUANTITY: 1

HYDRAULICS - IMPELLER MOTOR HOSES



IMPELLER MOTOR

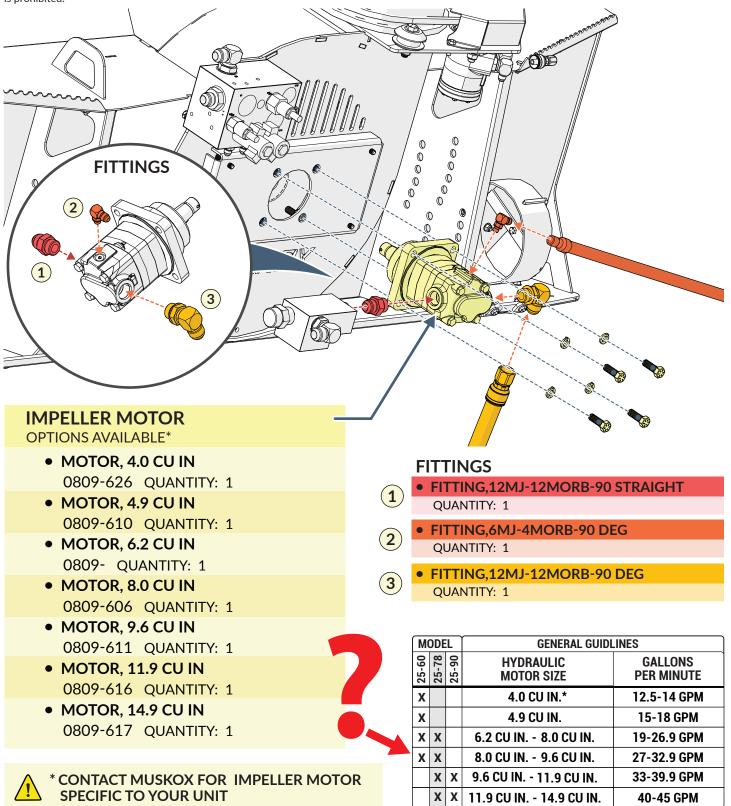
MODEL 25-60 🔻

FOR ALL MODELS

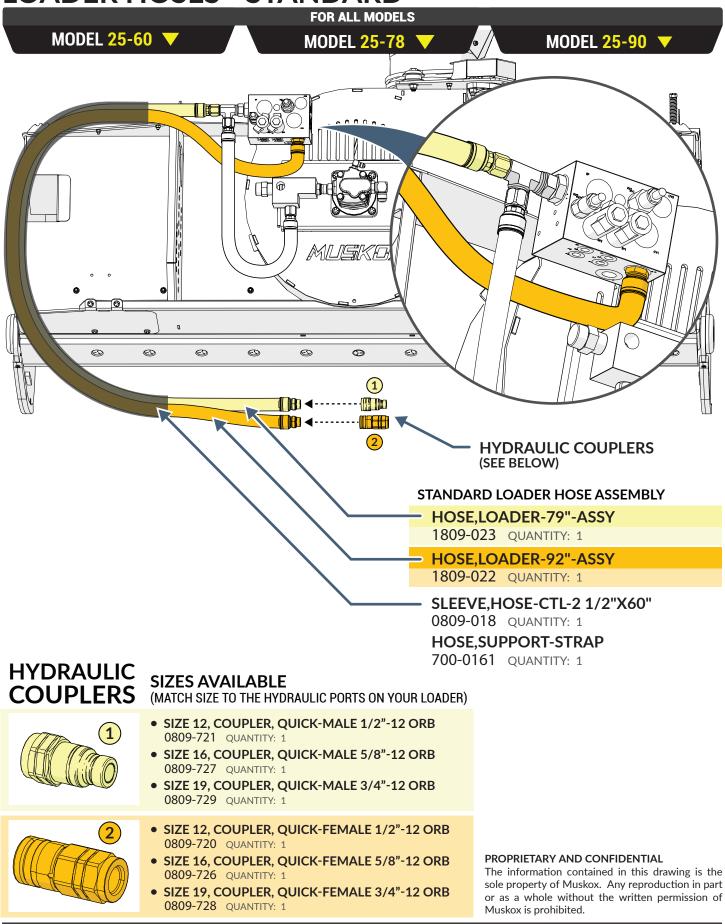
MODEL 25-90 **V**

PROPRIETARY AND CONFIDENTIAL

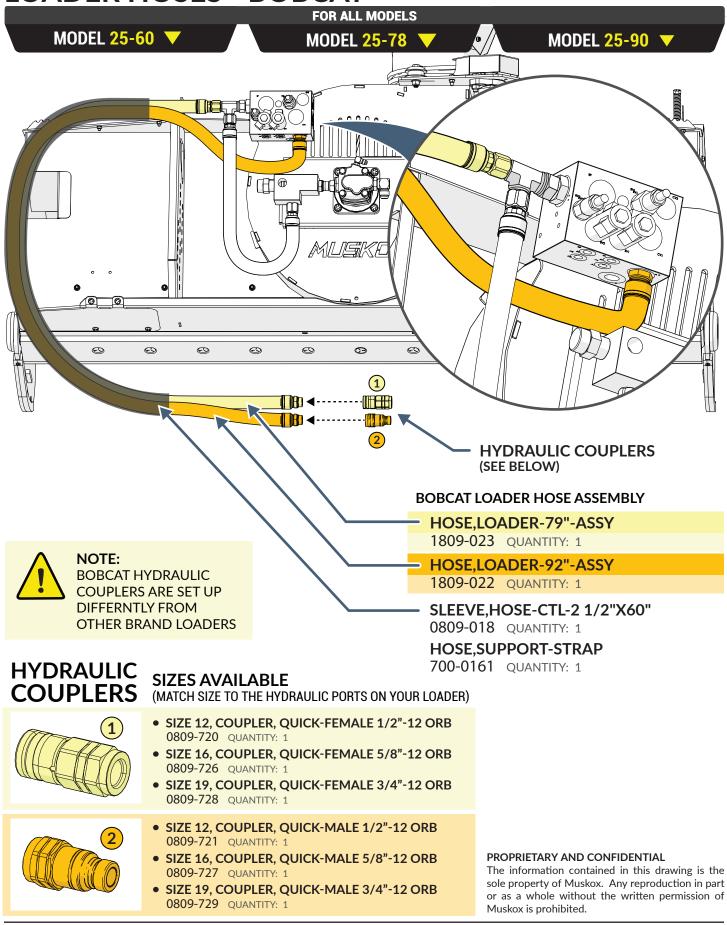
The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.



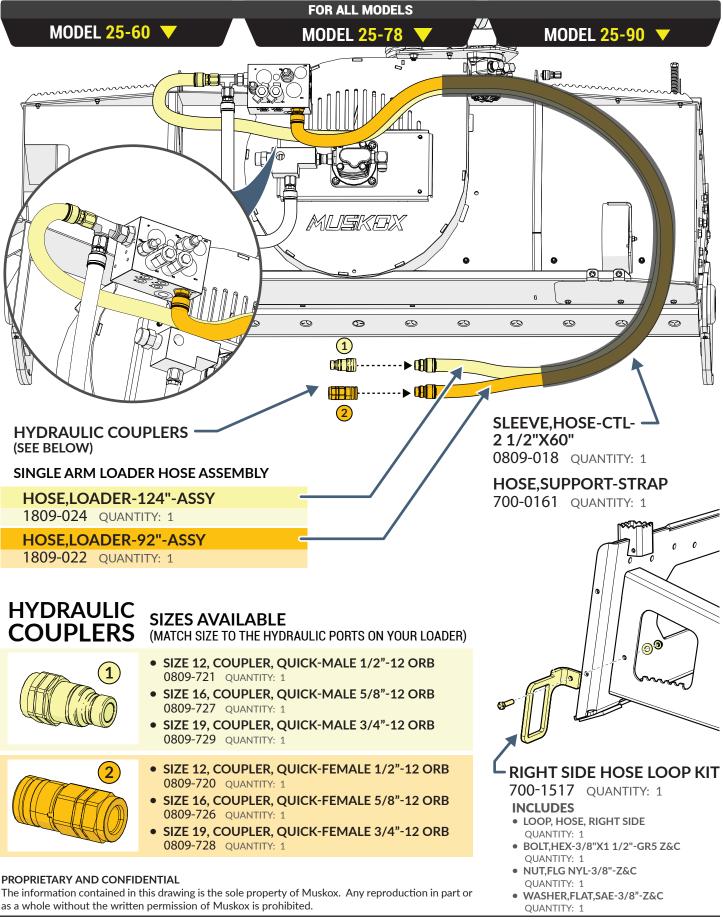
LOADER HOSES - STANDARD



LOADER HOSES - BOBCAT



LOADER HOSES - SINGLE ARM / RIGHT SIDE



IMPELLER

FOR ALL MODELS

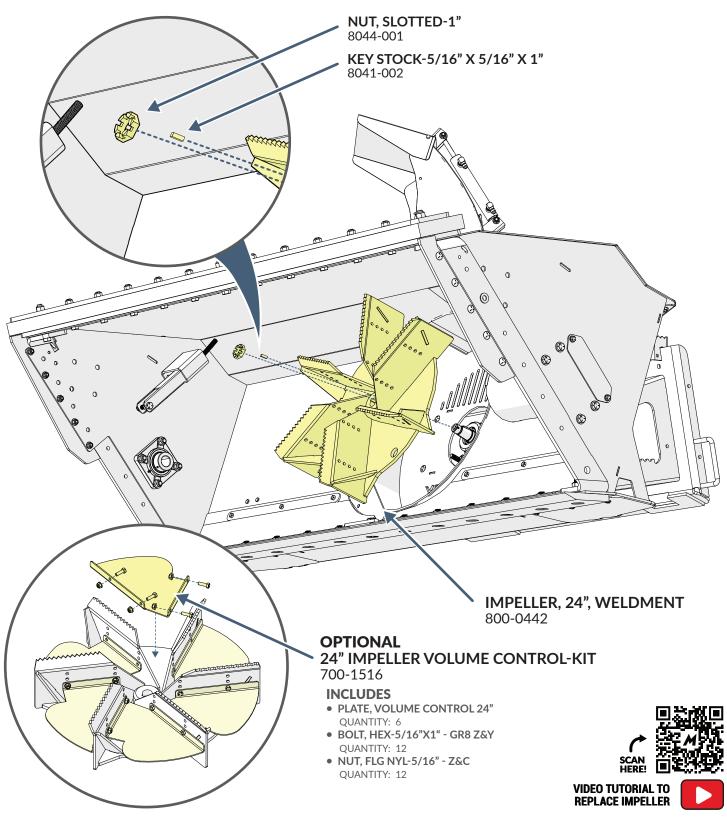
MODEL 25-60 V

MODEL 25-78 🔻

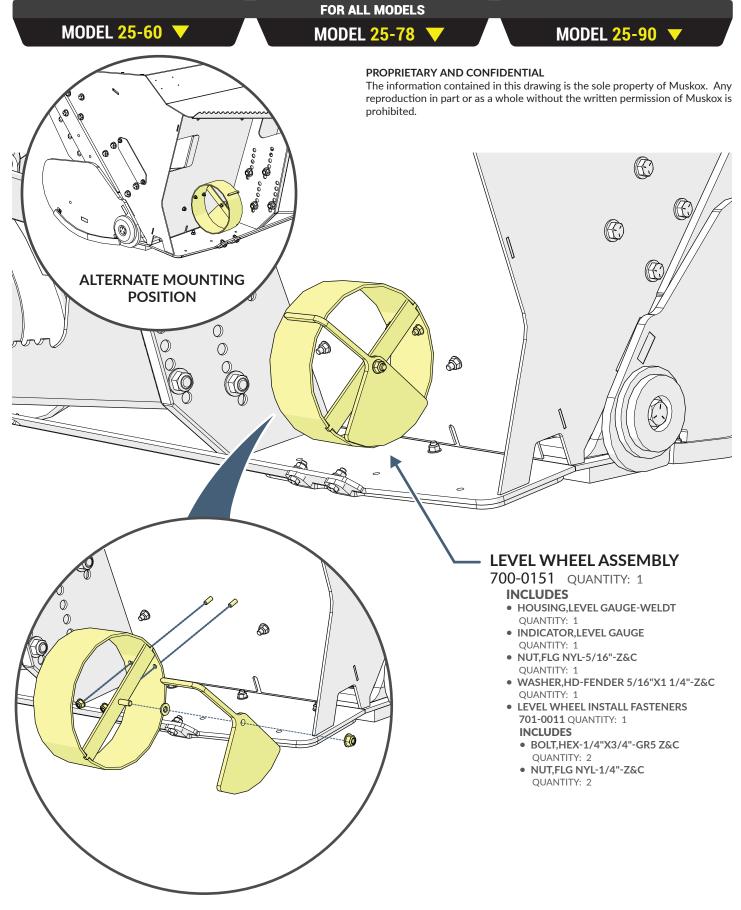
MODEL 25-90 V

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.



LEVELING WHEEL

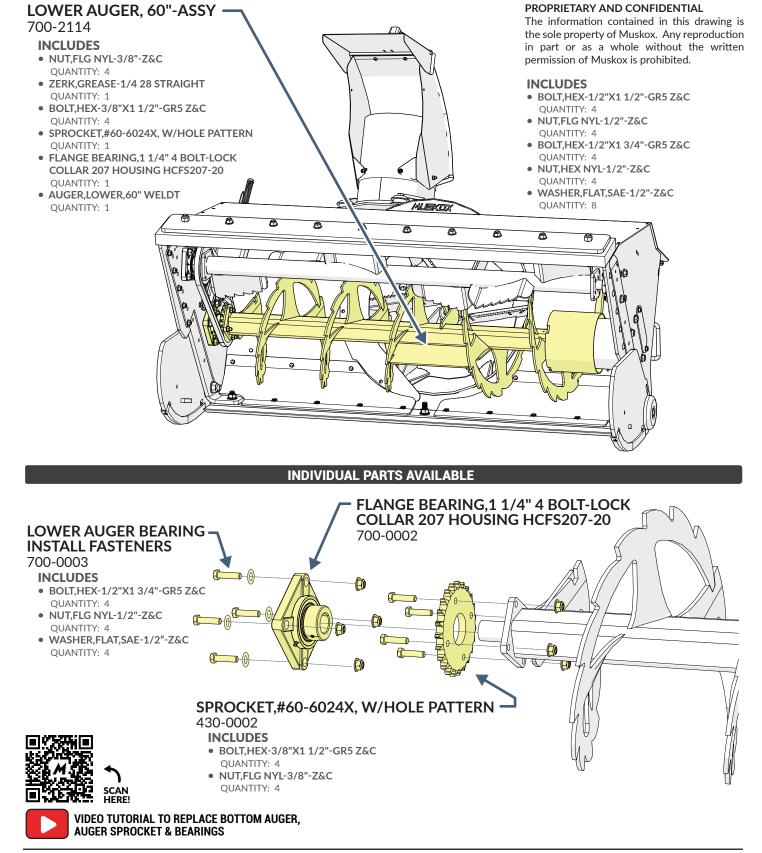


LOWER AUGER

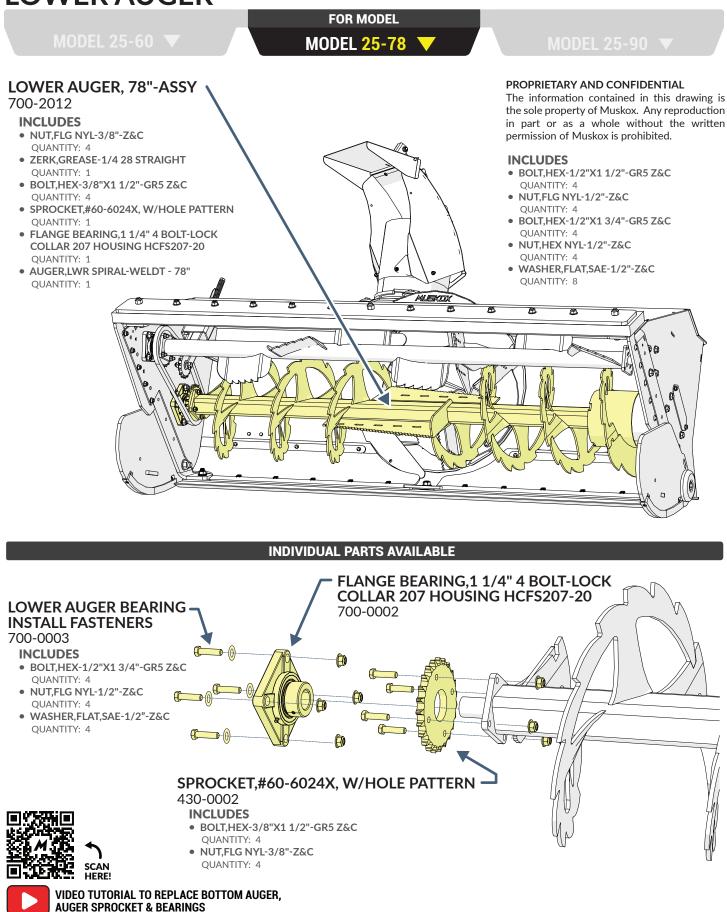
MODEL 25-60 V

IODEL 25-78

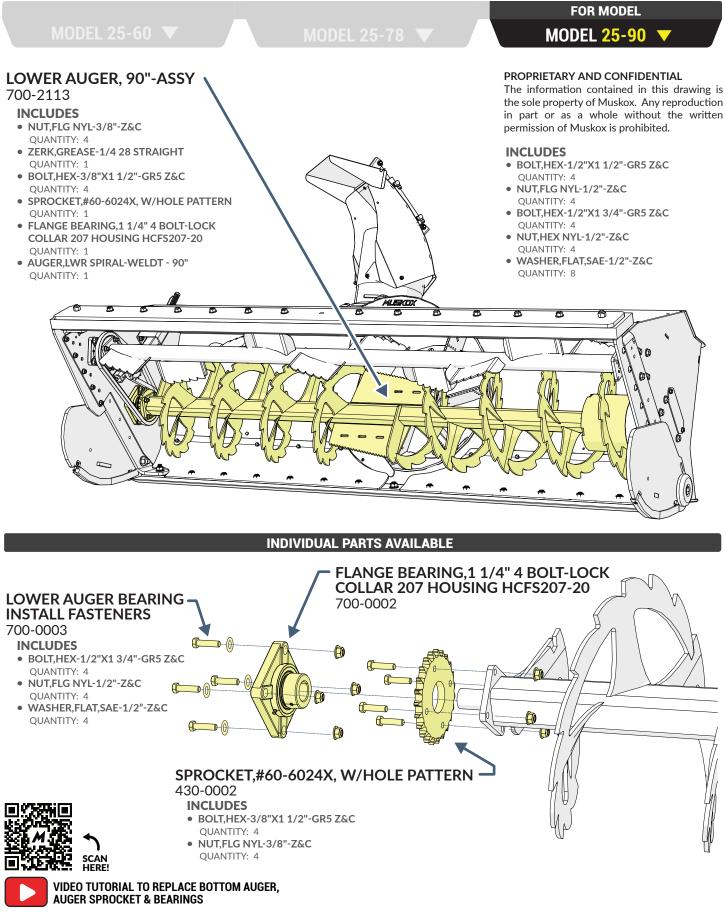
MODEL 25-90 **•**



LOWER AUGER



LOWER AUGER



MOUNTING PLATE

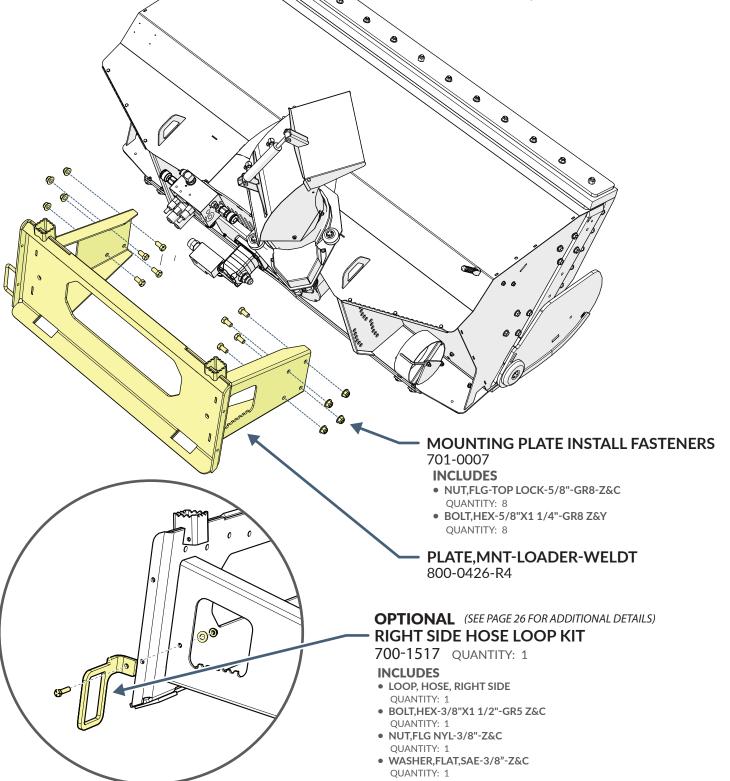
MODEL 25-60 V

FOR ALL MODELS

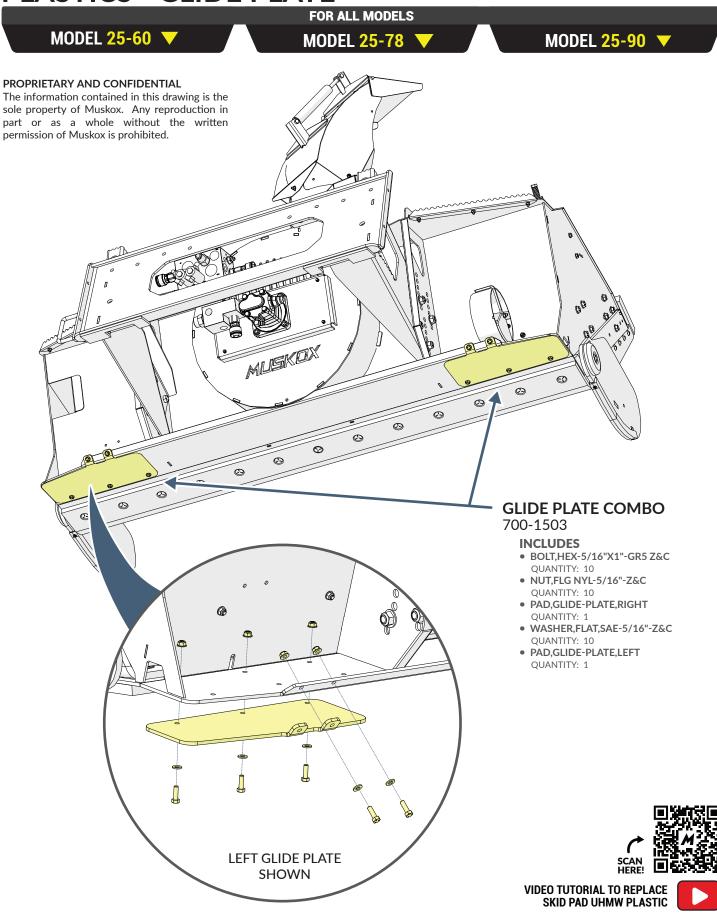
MODEL 25-90 🔻

PROPRIETARY AND CONFIDENTIAL

The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.



PLASTICS - GLIDE PLATE



PLASTIC WEAR KITS

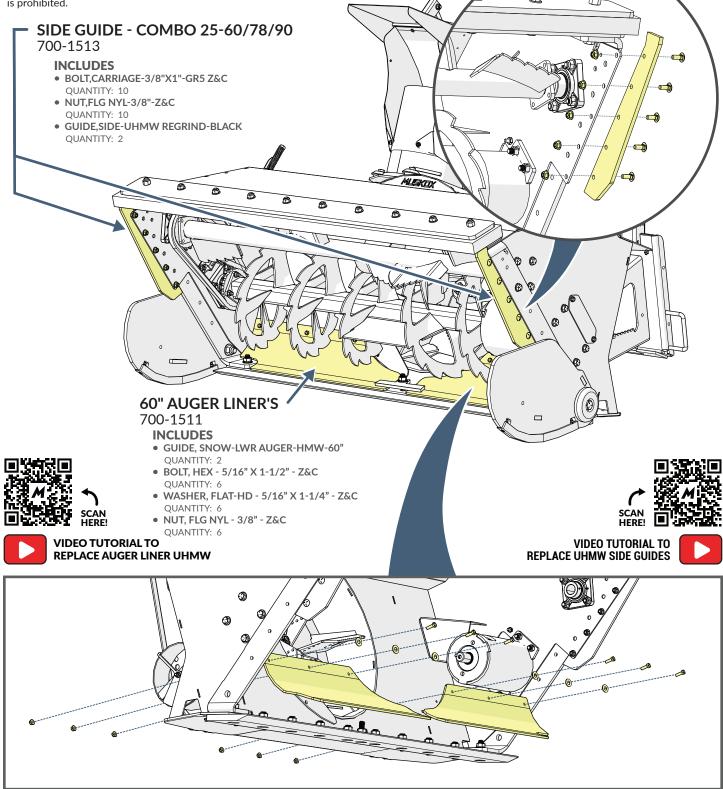
MODEL 25-60

MODEL 25-78

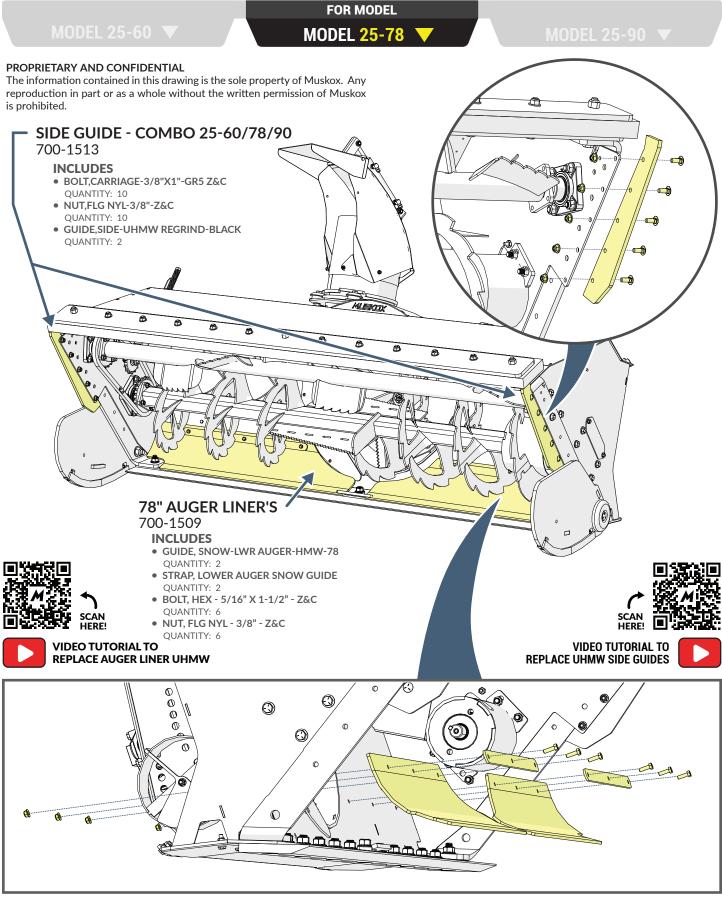
MODEL 25-90

PROPRIETARY AND CONFIDENTIAL

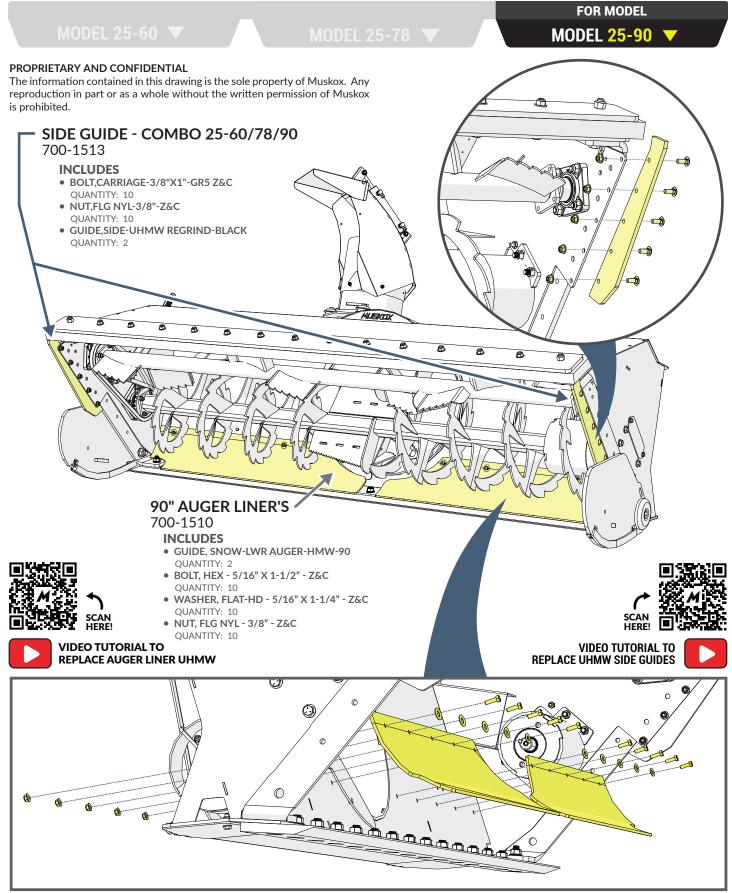
The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.



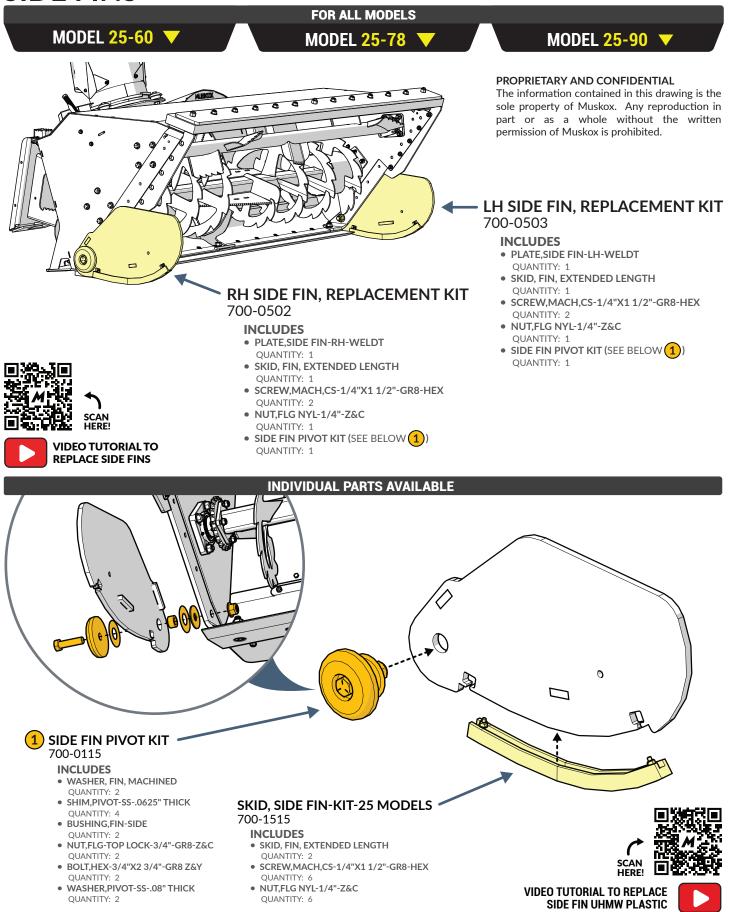
PLASTIC WEAR KITS



PLASTIC WEAR KITS



SIDE FINS



UPPER AUGER

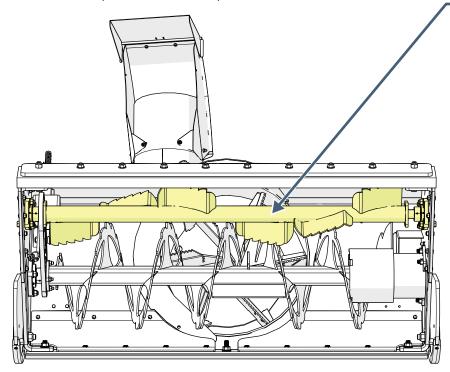
MODEL 25-60

MODEL 25-78

MODEL 25-90

PROPRIETARY AND CONFIDENTIAL

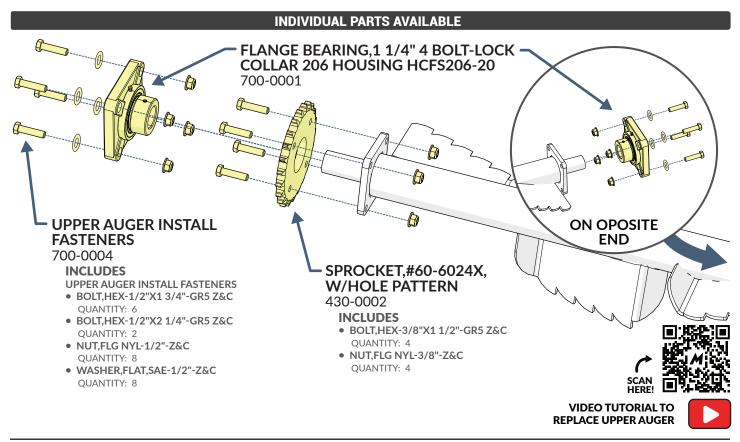
The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.



- UPPER AUGER, 60"-ASSY 700-2115

INCLUDES

- NUT,FLG NYL-3/8"-Z&C QUANTITY: 4
- BOLT,HEX-3/8"X1 1/2"-GR5 Z&C QUANTITY: 4
- SPROCKET,#60-6024X, W/HOLE PATTERN QUANTITY: 1
- FLANGE BARING,1 1/4" 4 BOLT-LOCK
 COLLAR 206 HOUSING HCFS206-20
 QUANTITY: 2
- AUGER, UPPER PADDLLE, 60"-WELDT QUANTITY: 1
- BOLT,HEX-1/2"X1 3/4"-GR5 Z&C QUANTITY: 6
- BOLT,HEX-1/2"X2 1/4"-GR5 Z&C QUANTITY: 2
- NUT,FLG NYL-1/2"-Z&C QUANTITY: 8
- WASHER,FLAT,SAE-1/2"-Z&C QUANTITY: 8



UPPER AUGER

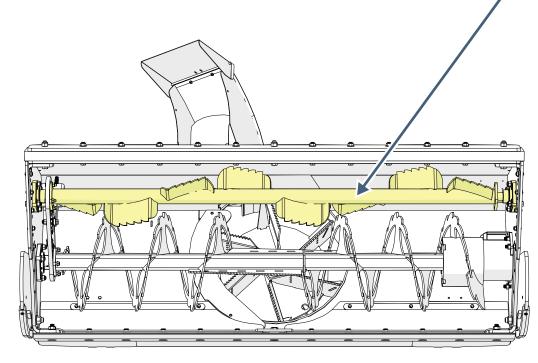
FOR MODEL

MODEL 25-78

MODEL 25-90

PROPRIETARY AND CONFIDENTIAL

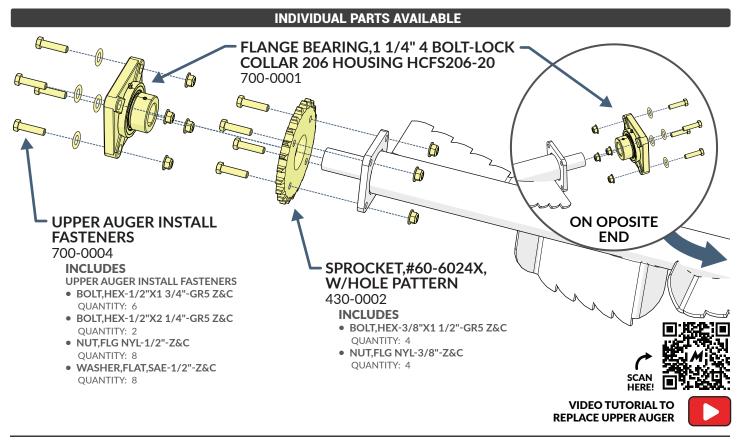
The information contained in this drawing is the sole property of Muskox. Any reproduction in part or as a whole without the written permission of Muskox is prohibited.



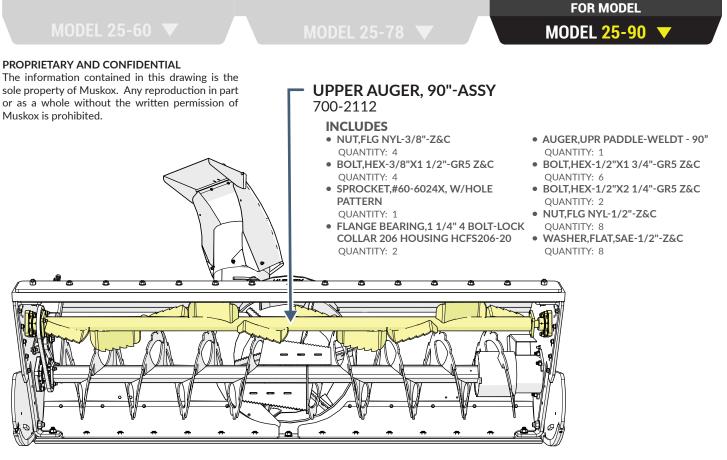
UPPER AUGER, 78"-ASSY 700-2011

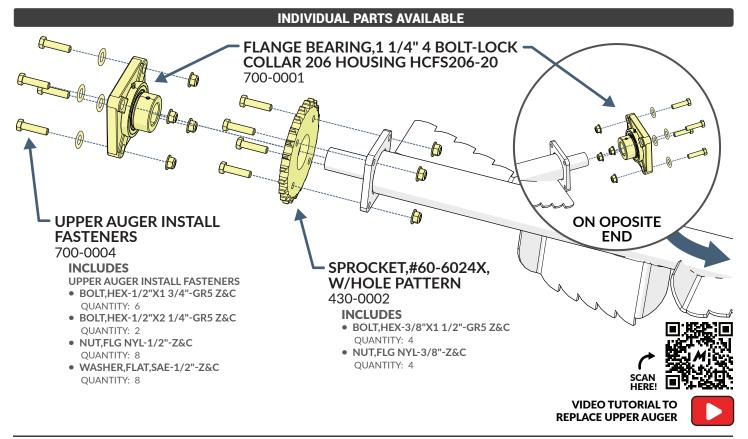
INCLUDES

- NUT,FLG NYL-3/8"-Z&C QUANTITY: 4
- BOLT,HEX-3/8"X1 1/2"-GR5 Z&C QUANTITY: 4
- SPROCKET,#60-6024X, W/HOLE PATTERN QUANTITY: 1
- FLANGE BEARING,1 1/4" 4 BOLT-LOCK COLLAR 206 HOUSING HCFS206-20 QUANTITY: 2
- AUGER,UPR PADDLE-WELDT 78" OUANTITY: 1
- BOLT,HEX-1/2"X1 3/4"-GR5 Z&C QUANTITY: 6
- BOLT,HEX-1/2"X2 1/4"-GR5 Z&C QUANTITY: 2
- NUT,FLG NYL-1/2"-Z&C QUANTITY: 8
- WASHER,FLAT,SAE-1/2"-Z&C QUANTITY: 8



UPPER AUGER





BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

Use the following chart when determining bolt torque specifications when special torques are not given. Always use grade 5 or better when replacing bolts.

SAE BOLT TORQUE SPECIFICATIONS

NOTE: The following torque values are for use with extreme pressure lubricants, plating or hard washer applications Increase torque 15 percent when using hardware that is unplated and either dry or lubricated with engine oil.

SAE GRADE 5 TORQUE				SAE GRADE 8 TORQUE					
Bolt Size		Pounds Feet		Newton-Meters		Pounds Feet		Newton Meters	
Inches	Millimeters	UNC	UNF	UNC	UNF	UNC	UNF	UNC	UNF
1/4	6.35	8	9	11	12	10	13	14	18
5/16	7.94	14	17	19	23	20	25	27	34
3/8	9.53	30	36	41	49	38	46	52	62
7/16	11.11	46	54	62	73	60	71	81	96
1/2	12.70	68	82	92	111	94	112	127	152
9/16	14.29	94	112	127	152	136	163	184	221
5/8	15.88	128	153	174	207	187	224	254	304
3/4	19.05	230	275	312	373	323	395	438	536
7/8	22.23	340	408	461	553	510	612	691	830
1	25.40	493	592	668	803	765	918	1037	1245
1-1/8	25.58	680	748	922	1014	1088	1224	1475	1660
1-1/4	31.75	952	1054	1291	1429	1547	1700	2097	2305
1-3/8	34.93	1241	1428	1683	1936	2023	2312	2743	3135
1-1/2	38.10	1649	1870	2236	2535	2686	3026	3642	4103

BOLT HEAD IDENTIFICATION MARKS AS PER GRADE

NOTE: Manufacturing Marks Will Vary

GRADE 2 No Markings GRADE 5 3 Radial Lines



GRADE 8 6 Radial Lines

NOTE: Nylock nuts are utilized when greater resistance to vibrating loose is required, and greater operating temperatures are not a factor. In addition, like lock nuts, nylock nuts have a safety feature that if the bolt does vibrate loose, the nut will remain on the screw. Install nylock nuts to the standard torque shown above.

TORQUE SPECIFICATIONS FOR UHMW (PLASTIC) PARTS: Fasteners attached to UHMW (plastic) parts should ONLY be tightened to secure part. DO NOT OVERTIGHTEN or damage may occur to plastic part.





601 FIRST STREET NORTH | MENTOR, MINNESOTA 56736 WWW.MUSKOXMN.COM | 218.288.1905 | SERVICE@MUSKOXMN.COM