



FIELD KIT

Vermeer Corporation

Environmental
Pella, Iowa 50219 USA

FIELD CAMPAIGN KIT #:	IK004266	DATE:	RELEASED
<i>For Dealer Reference: Service Bulletin #: SVC2022-136</i>			

Pintle Fastener Update

CAMPAIGN TYPE:	Mandatory-Product Safety Dealer Installation Only
CAMPAIGN CATEGORY:	Kit and Bulletin

MACHINE/ ATTACHMENT MODEL(S):	SERIAL NUMBERS:		
	Included	Excluded	Kit version
BC1800XL	50150, 50151, 50155, 50156, 50160, 50161, 50165, 50167, 50168, 50170	50156, 50160, 50167, 50168, 50170	IK01
BC1800XL	50152, 50154, 50157 – 50159, 50162, 50164, 50166, 50169, 50171 – 50173	50162, 50164, 50166, 50169, 50171 – 50173	IK02
BC1800XL	50153, 50164, 50174	50153, 50163, 50174	IK03



Purpose: Vermeer has decided that a defect that relates to motor vehicle safety exists in certain model year 2022 Vermeer BC1800XL brush chippers.

Pintle hitch mounting bolts failure may occur. During manufacturing, improper length mounting bolts were installed, causing damage to the tapped threads. Inadequate thread engagement of the mounting bolts may result in bolt failure, leading to pintle hitch separation from the tongue/tow bar. See photo at right.

If improper length bolts are installed, contact your local Vermeer dealer to make arrangements for the dealer to **replace the tongue and pintle hitch bolts.**

DO NOT:

- tow the brush chipper on public roadways, or
- operate the brush chipper, as operation applies forces to the pintle hitch which may cause the improper length bolt to break, resulting in injury and/or brush chipper damage.

Death or serious injury possible. When towing the brush chipper on public roadways, **death or serious injury** may result due to the loss of control of the brush chipper and towing vehicle. A pintle hitch separation from the tongue/tow bar may increase the risk of crash. Property or equipment damage may also occur.

Immediate machine modification required. IK004266 has been created to provide the necessary parts and instructions to replace the tongue and pintle bolts of proper length. **The kit must be installed as soon as possible.**

Please be reminded that it is a violation of federal law for you to sell or lease the machines covered by this notification until this recall has been performed on these machines. Substantial civil penalties apply to violations of this law.

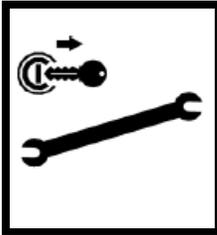
Improper length bolt

(Bolt engaged in approximately 1/3 of tapped hole.)



Special tools and conditions:

- Suitable lifting device capable of 150 lb (68 kg)



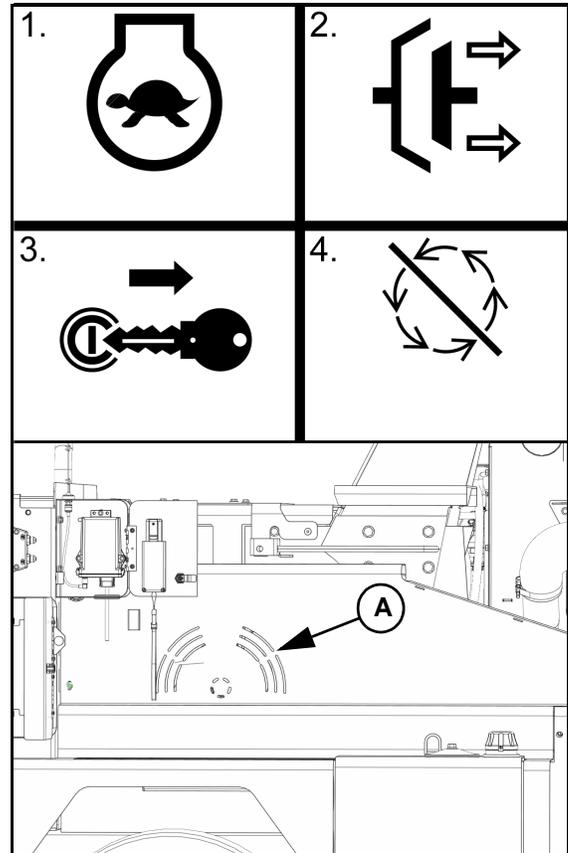
WARNING: Failure to use shutdown procedure can result in unexpected hazard(s). Death or serious injury could result due to entanglement, crushing, cutting or other hazardous contact. Follow shutdown procedure after operating, before performing any service or maintenance, and before transporting.

Shutdown procedure:

1. Return *Upper Feed Control Bar* to stop position.
2. Set throttle to low idle using button on control panel.
3. Whenever practical and consistent with good safety practice, idle engine without load for three to five minutes before shutting it off. This allows engine temperatures to decrease and equalize, which will increase engine life.
4. Wait for cutter drum to slow.
5. Move *Clutch Lever* to disengaged position.
6. If so equipped, shut off remote control if in use.
7. Shut off engine and remove key.
8. Wait for cutter drum and belt to stop.

NOTICE: Cutter drum rotation can be checked by looking at the end of the shaft (**A**) on the left side of the cutter drum housing. The cutter drum will continue to turn for a short time after the engine has stopped.

9. Close and latch feed table.

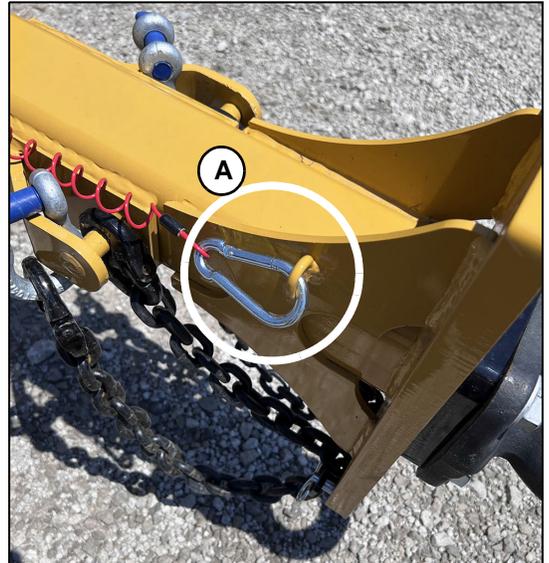




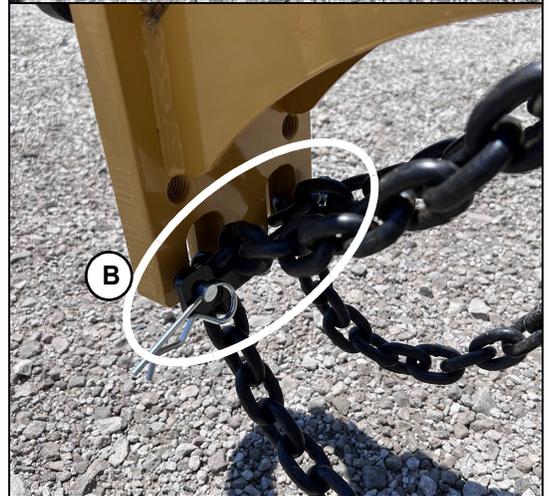
Unless indicated, new parts from kit have callouts with numbers. Callouts with letters indicate existing parts or general items.

Procedure 1: Remove existing tongue.

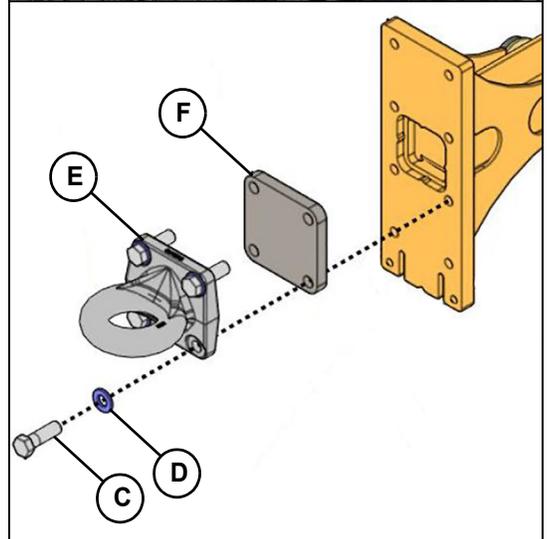
1. Disconnect cabled carabiner (A) from chain link on tongue.



2. Remove and keep hairpins, clevis pins and lock plate (B) securing safety chains to front of tongue.



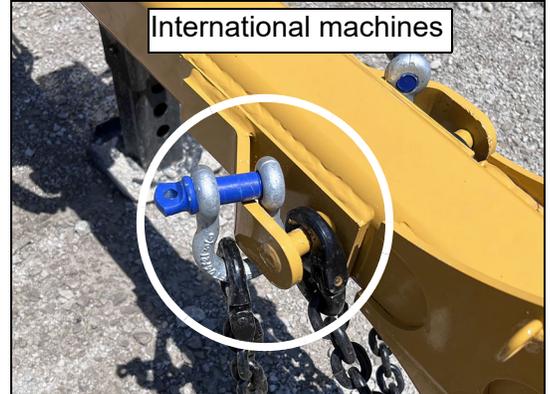
3. Remove and discard screws (C) and washers (D) securing pintle hitch (E) and spacer plate (F) to tongue. Keep hitch and spacer plate.



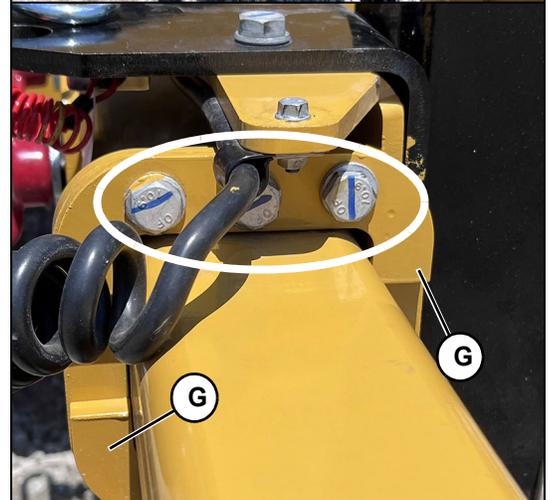
4. Disconnect safety chains from tongue.

Domestic machines – Remove and keep screws and washers securing safety chains to tongue.

International machines – Open shackle and hammerlock securing safety chains to tongue. Discard hammerlock.

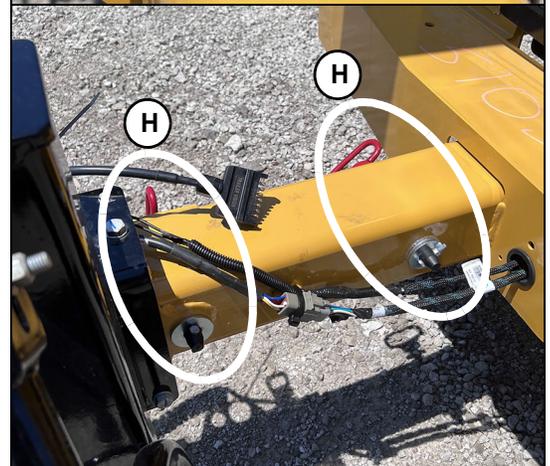


5. Remove and keep six screws securing collar clamps (G) to top and bottom of mainframe receiver. Keep collar clamps.



6. Remove and keep hitch pins (H) securing tongue to mainframe receiver.

7. Support tongue with suitable lifting device capable of 150 lb (68 kg), then slide it out of mainframe receiver and discard.



Procedure 2: Install new tongue

1. Use suitable lifting device capable of 150 lb (68 kg) to support new tongue (**Ref. 1, Figure 1, 2 or 3**) included with kit.
2. Lift tongue and slide into mainframe receiver.
3. Align holes in tongue with holes in mainframe receiver, then install and secure hitch pins kept from procedure 1, step 6.
4. Install collar clamps with screws kept from procedure 1, step 5.
5. Attach safety chains kept from procedure 1, step 4 to tongue.

Domestic machines – torque screws to 80 ft-lb (100 Nm).

International machines – use new hammerlocks (**Ref. 4, Figure 3**) to attach safety chains to tongue.

6. Use screws (**2**) and washers (**3**) to install spacer plate (**F**) and pintle hitch (**E**) onto tongue. Torque screws to 282 ft-lb (382 Nm).
7. Secure safety chains to front of tongue with hairpins, clevis pins and lock plate kept from procedure 1, step 2.
8. Connect cabled carabiner to chain link on tongue.
9. Remove Figure 1 and attach to invoice or place in manual storage box so unit owner can place with existing parts manual.

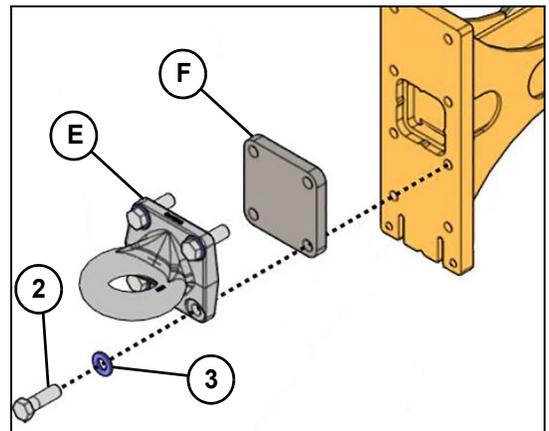
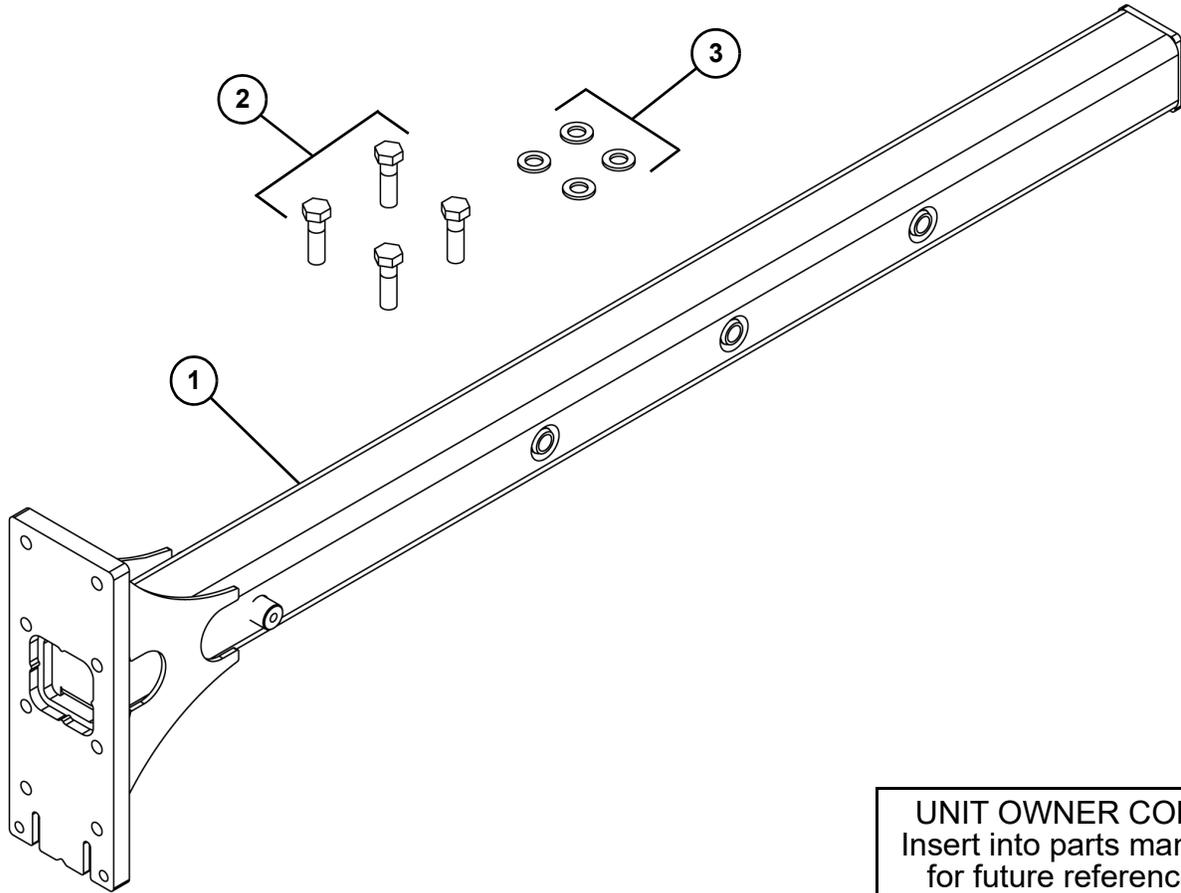


Figure 1

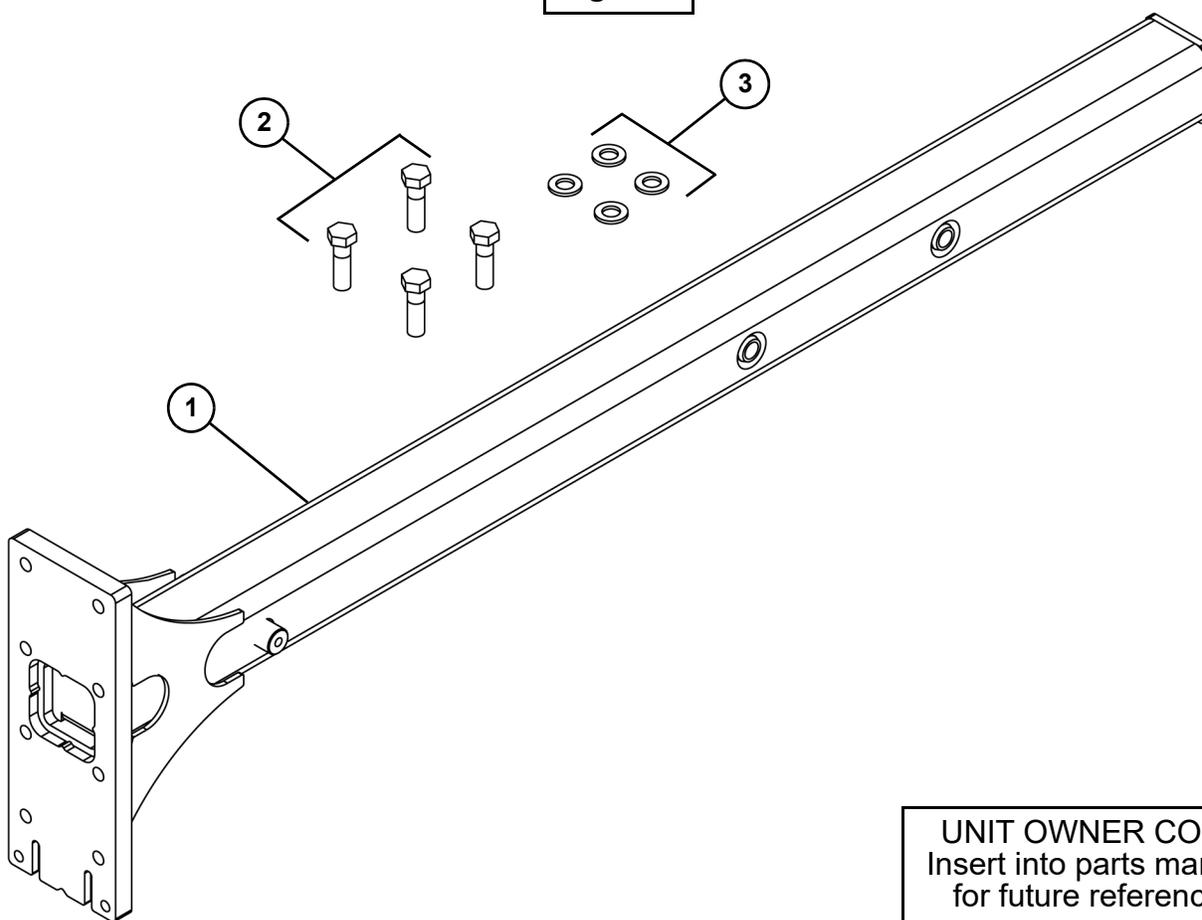


UNIT OWNER COPY
 Insert into parts manual
 for future reference.

Figure 1 parts list

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK01 QTY.</u>
1	163821384	WLDMT - NON WINCH TONGUE ELECTRIC BRAKE	1
2	238880001	SCREW-HCS-.75-10X2.50-GR8	4
3	235717001	WASHER - 3/4" HARDENED FLAT	4
		IK014266 includes all items in Figure 1 parts list.	

Figure 2



UNIT OWNER COPY
 Insert into parts manual
 for future reference.

Figure 2 parts list

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK02 QTY.</u>
1	163821386	WLDMT - BC1800 TONGUE WINCH	1
2	238880001	SCREW-HCS-.75-10X2.50-GR8	4
3	235717001	WASHER - 3/4" HARDENED FLAT	4
		IK024266 includes all items in Figure 2 parts list.	

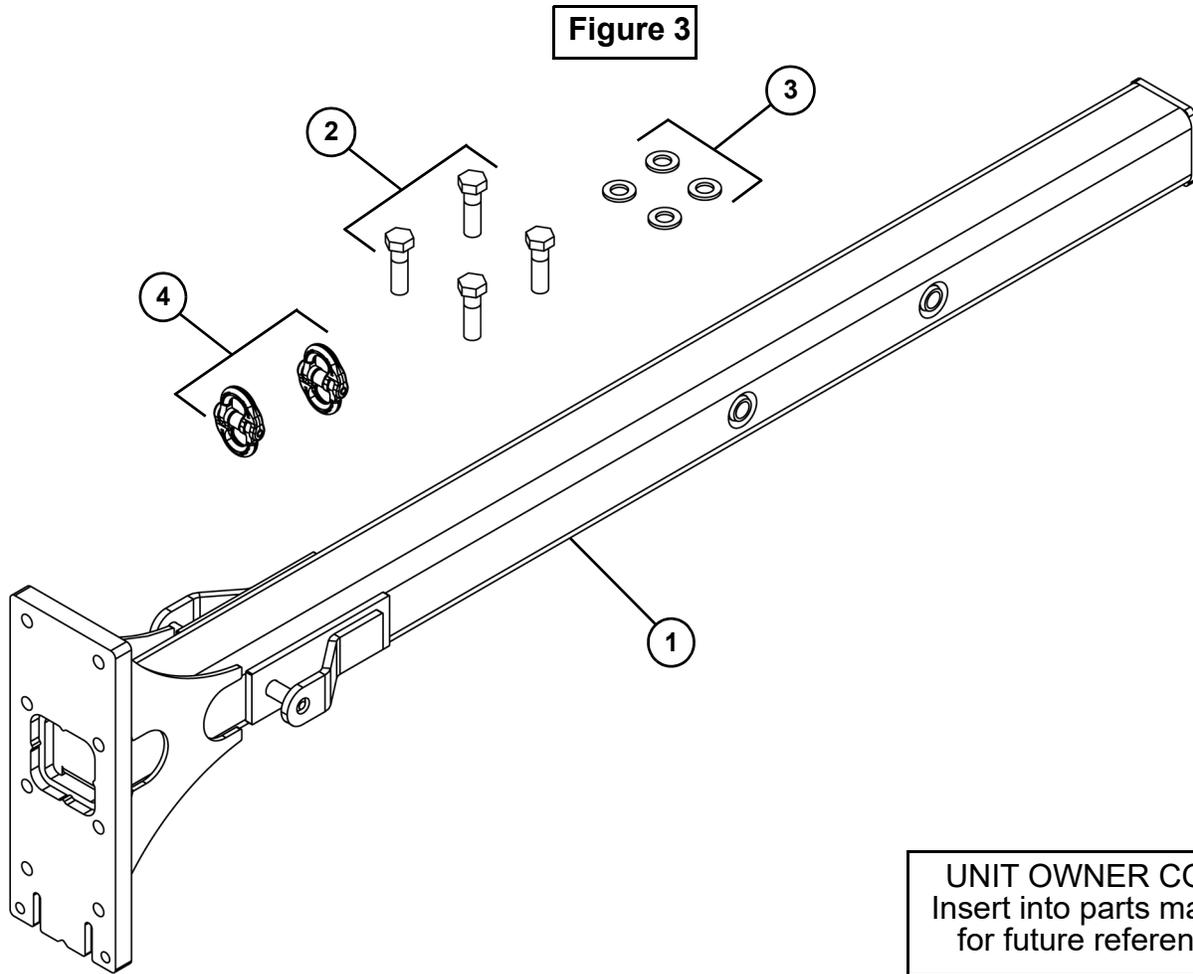


Figure 3 parts list

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK03 QTY.</u>
1	163821357	WLDMT - BC1800XL AUSTRALIA WINCH TONGUE WINCH	1
2	238880001	SCREW-HCS-.75-10X2.50-GR8	4
3	235717001	WASHER - 3/4" HARDENED FLAT	4
4	163811727	HAMMERLOCK-3/8" GRADE 80	2
		IK034266 includes all items in Figure 3 parts list.	