



An Oshkosh Corporation Company

General Bulletin: 2016002

Hose Routing Base Column Design Change

SUBJECT:	Hydraulic Hose Routing-Mast
ATT:	IMT Distributors
FROM:	IMT Technical Support (800-554-4421 or 641-923-4633)
DATE:	October 2016
MODELS AFFECTED:	Crane: All 28562 & 24562 Equipped With Ground Control

Serial Numbers Affected: 940296 through 940642

Our goal at IMT is to continuously look for ways to improve our manufacturing processes so we can assure our customers they are receiving the highest quality product and service. This general bulletin is to notify our distributors that a design upgrade on the 28562 crane has been made to the hose routing base and column to prevent premature wear of hoses during rotation of the mast. This bulletin contains detailed instructions and illustrations on the teardown and rebuilding processes, along with an order form for parts and labor hours on the last page.

The table below lists the kit number and the parts that will supplement the kit. When ordering your hydraulic hose routing replacement kit, please provide the kit number that is listed as Item 1, along with the serial number of the crane.

HYDRAULIC HOSE ROUTING REPLACEMENT KIT				
Item	Part Number	Description	Qty	List Price
1.	6384290	RETROFITTING HOSE ROUTING BASE – COLUMN	1	\$1354.63 (Standard Discounts Apply)
	56989	HOSE (28562)		INCL W/KIT
	56990	HOSE (28562)		INCL W/KIT
	56991	HOSE (25862)		INCL W/KIT
	62636	HOSE PROT. 150 X 600mm		INCL W/KIT
	6384283	HOSE GUIDE		INCL W/KIT
	6384253	BULK HEAD INCLUDE (6-49468, 6-49469)		INCL W/KIT
	62602	COVER		INCL W/KIT
	62587	PROTECTIVE COVER 95 X 800		INCL W/KIT
	6384263	BRACKET		INCL W/KIT
	29116	CLAMP		INCL W/KIT
	29115	FLEX PIPE		INCL W/KIT
	6384273	SERVICE PLATFORM		INCL W/KIT
	30135	CAP SCR M 8 X 30		INCL W/KIT
	31147	WASHER 16 X 8.4 X 1.3		INCL W/KIT
	30886	LOCK NUT M8 STAINLESS		INCL W/KIT
	6384243	LHV COVER		INCL W/KIT

Safety Notices:

- Follow your company's Lock-Out/Tag-Out procedures to prevent the truck from being started or moved while performing work on this crane. If your company does not have a Lock-Out/Tag-Out procedure, follow OSHA 1910.147, Lock-Out/Tag-Out.
- Use appropriate Personal Protective Equipment (PPE) as required by your company.
- Read and understand the following instructions prior to starting work on the crane.

Tools Required:

- 10 mm wrench
- Wire snips
- 17 mm wrench
- 13 mm wrench
- 8 mm wrench
- Rubber mallet
- 1 1/16" wrench

Teardown Instructions:

1. Remove bulkhead fittings cover.
2. Remove hose protection sleeve.
3. Remove pressure transducer protective guard. A new guard is included in the replacement kit.
4. Dismantle pressure transducer wire from main cylinder. There will be numerous wire ties to clip.
5. Remove shipping straps from the back of the mast cylinder.
6. Once all of the wire ties are removed from the back of the mast cylinder, remove protective aluminium valve bank cover. A new cover is included in the replacement kit. **Save all hardware.**
7. Remove valve bank cover. The radio remote receiver is located on the underside of the valve bank cover. Remove radio remote receiver and set aside. A new valve bank cover is included in the replacement kit. **Save all hardware.**
8. Remove hose retainer brackets (3) from the side of the mast.
9. Label both ends of the new hydraulic hoses. (A diagram of the new bulkhead is located in the Installation with Illustration section of this bulletin).
10. Remove old hydraulic hoses
11. Remove original top bulkhead.

Rebuilding Instructions:

1. The new bulkhead, provided in the replacement kit, has swivel hose hookups. Before attaching the new hydraulic hoses to the new bulkhead, label each individual hose hookups on the new bulkhead. A new bulkhead diagram is provided with this technical bulletin.
2. In the first protective sleeve, insert the pressure transducer wire. Starting from left to right add the first four-hydraulic hoses, 1, 2, VN, 3 into the first protective sleeve. Pull the next two-hydraulic hoses, UI, UU, into the second protective sleeve, followed by the last five-hydraulic hoses 4, KO, T, VO, KN into the third protective sleeve.
3. Attach pressure transducer wire to pressure transducer. Secure the transducer wire to hydraulic hose on the backside of the mast with zip ties in several places.
4. Assemble and install hose support bracket.
5. Insert hoses through corrugated plastic tube. Slide protective hose sleeve over the new labelled hydraulic hoses and partially over the corrugated plastic sleeve. (Once the new hoses are attached to the new bulkhead, the corrugated cover and protective hose sleeve can be adjusted to the correct placement.)
6. Mount protective hose tube to bracket. Measurement: 25" from clamps to end of tube, 8" of the hoses will extend past the end of the tube.
7. Remount radio receiver to new valve bank cover and install new valve bank cover.
8. Replace all guards that are included in the replacement kit.
9. Run crane through full rotation in each direction to check for proper hose placements. There should be no binding.

Teardown Instructions With Illustrations:

Remove bulkhead fittings cover. **Save hardware.**



Remove the hydraulic hoses protective sleeve.

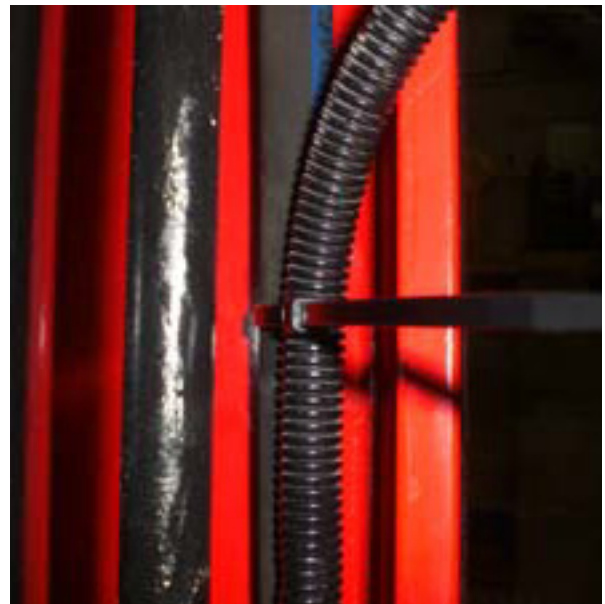


Remove pressure transducer protective guard. A new guard is included in the replacement kit. **Save hardware.**



P / N 6384243

Dismantle pressure transducer protective guard. There will be various wire ties to cut.



Once all of the wire ties are removed from the back of the mast cylinder, lift off the protective aluminum valve bank cover. A new cover is included in the replacement kit. **Save all hardware.**

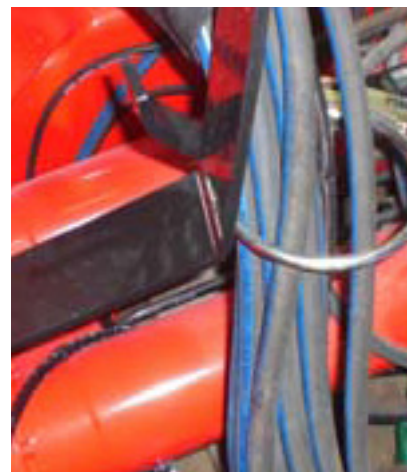
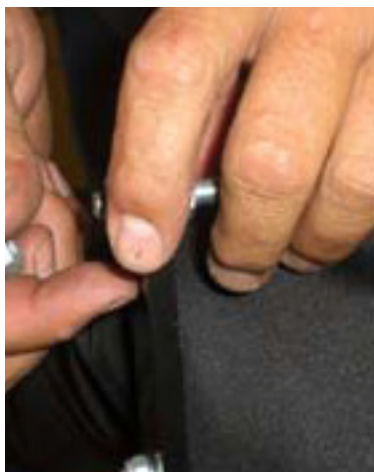
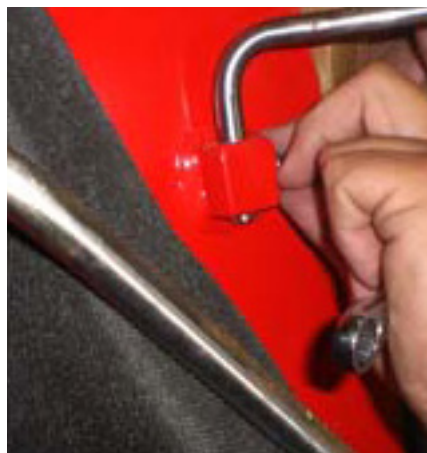


P/N 6384273

Remove valve bank cover. The radio remote receiver is located under the valve bank cover. Remove radio remote receiver from valve bank cover. A new valve bank cover is included in the replacement kit. **Save all hardware.**



Remove hose retainer brackets (3) from the side of mast.



Label both ends of the new hydraulic hoses before inserting into the new hydraulic hose sleeve.



Remove old hydraulic hoses.



Note: Electrical wires have been removed for illustration purposes only. It is not necessary for Dealer/Customer to remove the electrical wires to install the new hydraulic hoses.



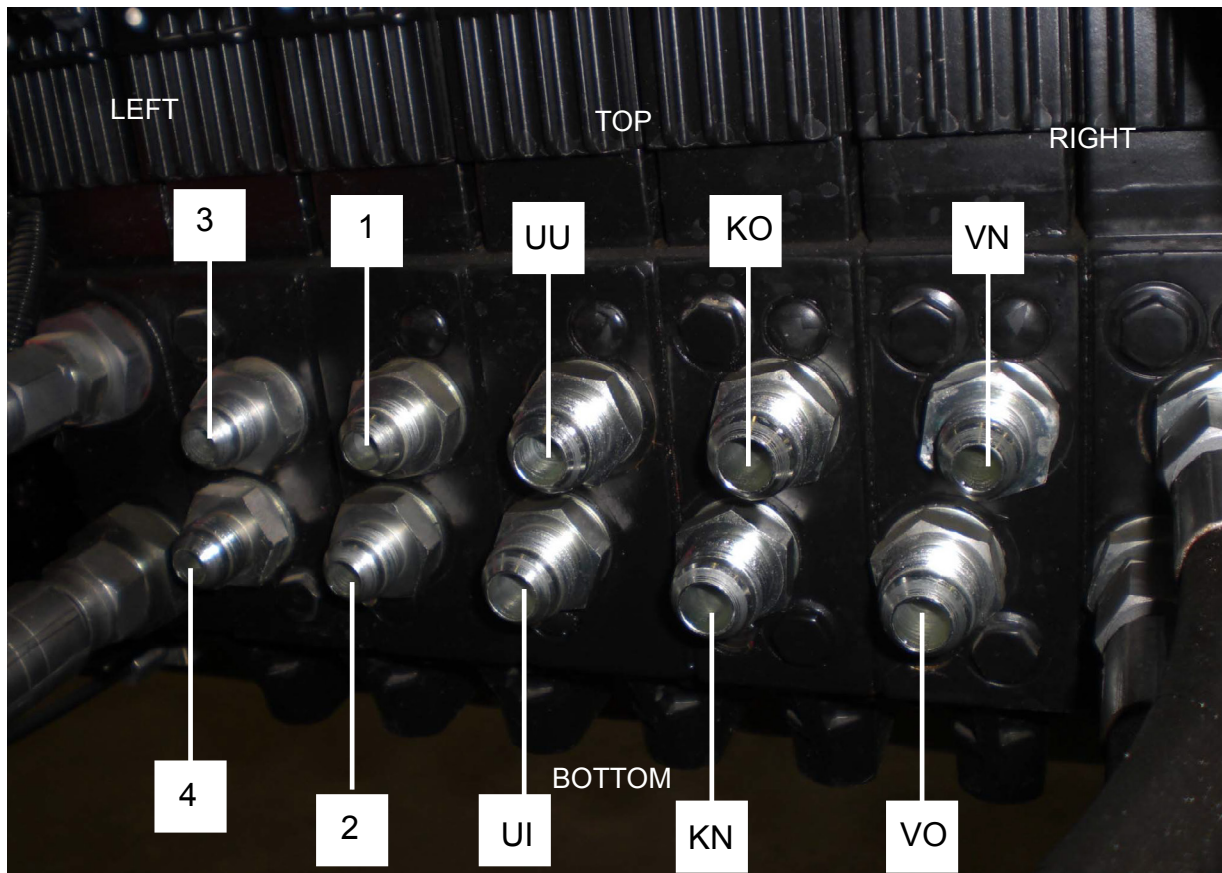
In order to remove the top bulkhead, the fastening bolts need to be removed.

End of teardown process

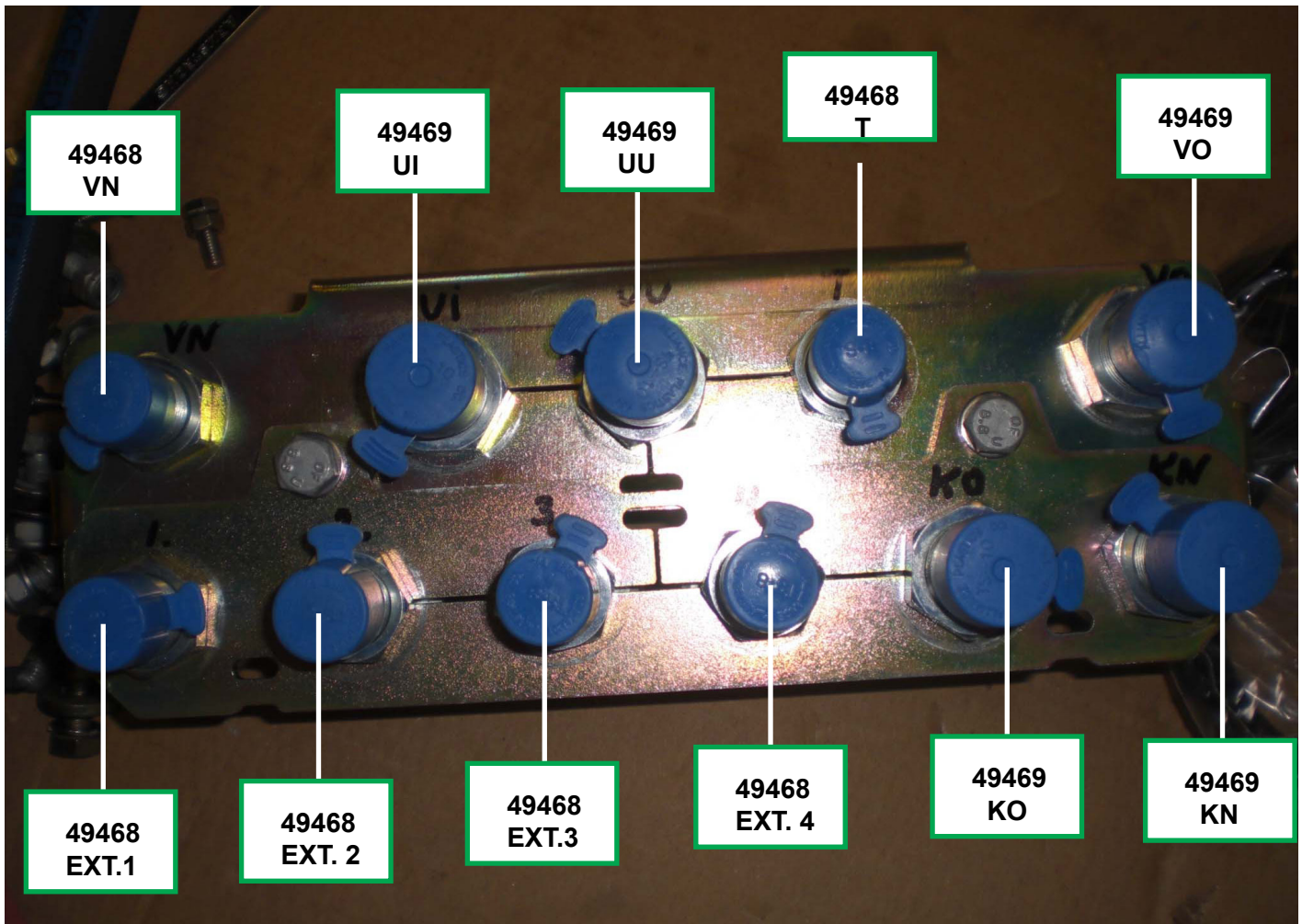
Installation Instructions with Illustrations



The new bulkhead, provided in the replacement kit, has swivel hose hookups. Before attaching the new hydraulic hoses to the new bulkhead, label each individual hose hookups on the bulkhead. A new bulkhead diagram is pictured below.



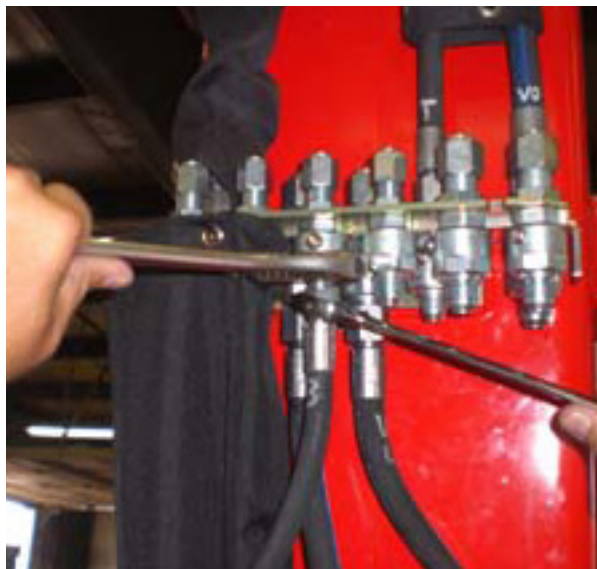
Installation Instructions with Illustrations



***New top bulk head
labeled***

VN	MAIN BOOM DOWN
KN	JIB DOWN
UI	EXTENSION IN
EXT 1-4	EXTRA FUNCTIONS ROTATOR AND GRAB/FORK LIF
T	RETURN TO TANK
VO	MAIN BOOM UP
KO	JIB UP
UU	EXTENSION OUT

Installation Instructions with Illustrations



In the first of three protective sleeves provided with the replacement kit, insert the pressure transducer wire. Starting from left to right, add the first four-hydraulic hoses: **1,2,VN,3** into the protective sleeve that the pressure transducer wire has been inserted. Pull the next two-hydraulic hoses (center): **UI, UU**, through the smallest protective hose cover, followed by the last five-hydraulic hoses into the third protective sleeve: **4,KO,T,VO,KN**.



Installation Instructions with Illustrations

Attach pressure transducer wire to the pressure transducer. Zip tie transducer wire to hydraulic hoses on the backside of mast in several places for stability.



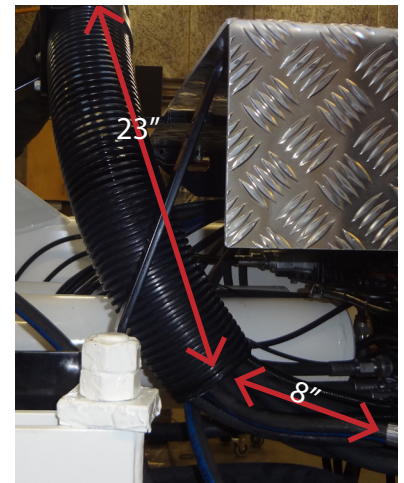
Zip tie hydraulic protective sleeve around pressure transducer wire and the first three-hydraulic hoses (left side). Continue to zip tie the protective sleeve that has the center hydraulic hoses, and finally the last five-hydraulic hoses (right side).



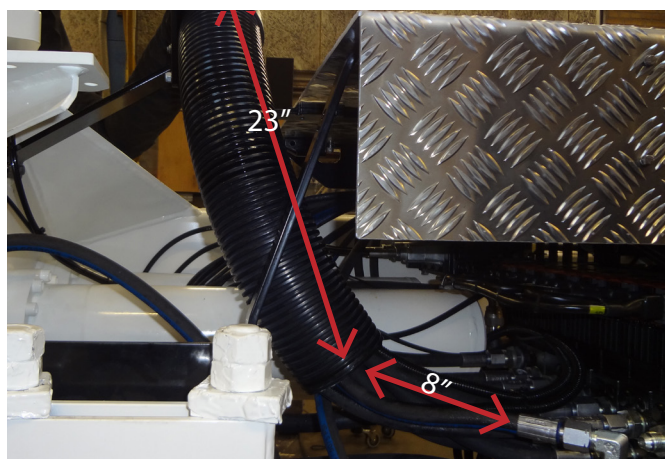
Assembly and install hose support bracket.



Insert hoses through corrugated plastic tube. Slide protective sleeve over the new labelled hydraulic hoses and partially over the corrugated plastic sleeve. Once new hoses are attached to the new bulkhead, the corrugated cover and protective hose sleeve can be adjusted to the correct placement.



Mount protective hose tube to bracket. Measurement: 25" from clamps to end of tube, 8" of the hoses will extend past the end of the tube.



Reconnect hoses to valve bank.
NOTE:
Electrical wires removed for illustration purposes.

Install new valve bank cover, remount radio receiver to cover.



Replace all guards that are included in the replacement kit.



Run crane through full rotation in each direction to check for proper hose placement. There should be no binding.

SUBJECT:	Hydraulic Hose Routing-Mast
ATT:	IMT Distributors
FROM	IMT Technical Support (800-554-4421 or 641-923-4633)
DATE	October 2016
MODELS AFFECTED	Crane: 28562 & 24562 Ground Control

***What will
we do?***

The Hydraulic Hose Routing Replacement Kit, will be supplied to our distributors at no cost, along with reimbursement of ten (10) labor hours for each of the affected model listed above. **This warranty claim expires 12-months after Bulletin 2016002 release.**

***What will
you do?***

You must fill out the order form located below with the cranes serial number and fax or mail to IMT.

***Do you have
questions?***

If you have questions or need additional assistance, please contact IMT Technical Support at 800-554-4421 or 641-923-4633.

ORDER FORM
GB2016002 Hose Routing Base - Column Design Upgrade
Order one per crane

6384290 - Retrofitting Hose Routing Base - Column
Crane Serial Number: _____

Fill in location and contact information

Ship To:	
Address:	
Contact:	
Phone:	
Email:	

Please fax or email this form to :
IMT Customer Service
FAX: 641-923-4038
EMAIL: parts@imt.com

Iowa Mold Tooling Co., Inc.
500 Highway 18 West • PO Box 189 • Garner, IA 50438-0189
641-923-3711 • 641-923-6063 (Fax)