

# DeltaForce®

## **DeltaForce Parts Manual**

Precision Planting®

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## 729058 DeltaForce Spare Kit

Item No.	Part Number	Part Name	QTY	Remarks
1	726564	Gage	1	3000 PSI Hydraulic
2	726376	Tape	1	Teflon Pipe 1/4"
3		Case	1	Spare Parts
4		Spare Plug Fitting Kit	1	-6 and -8 Plugs and Caps
5		Diagnostic Socket - 4 NPTF	1	

## 729115 AirForce Compressor Run Kit



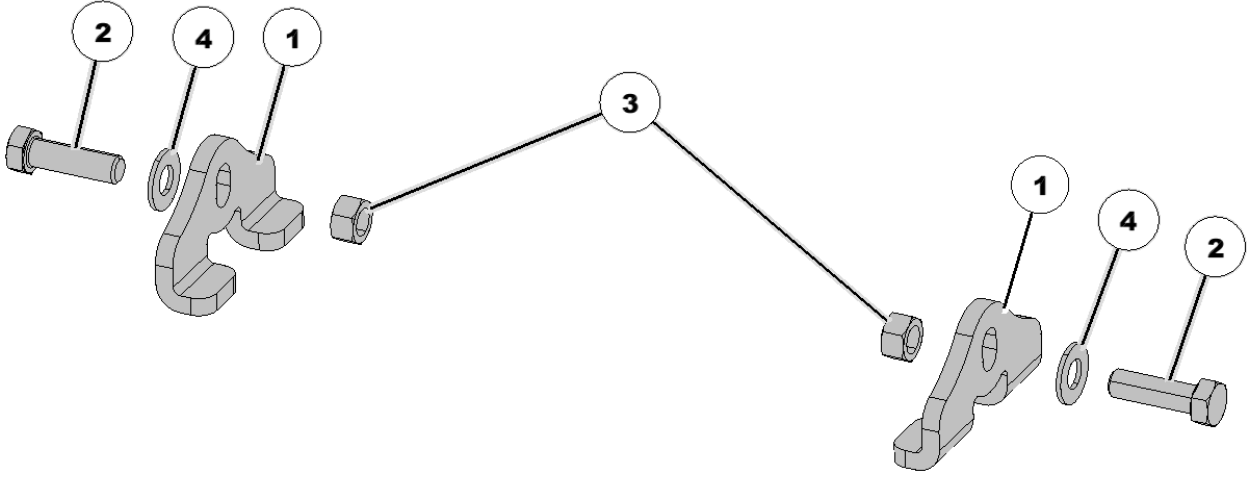
Item No.	Part Number	Part Name	QTY	Remarks
1	726168	Connector	1	Female 1/4" NPT x 1/4" PTC
2		Harness	1	Air Force Compressor Run
3	755054	Switch	1	Pressure

# 729256 Lift Manifold Extension Harness



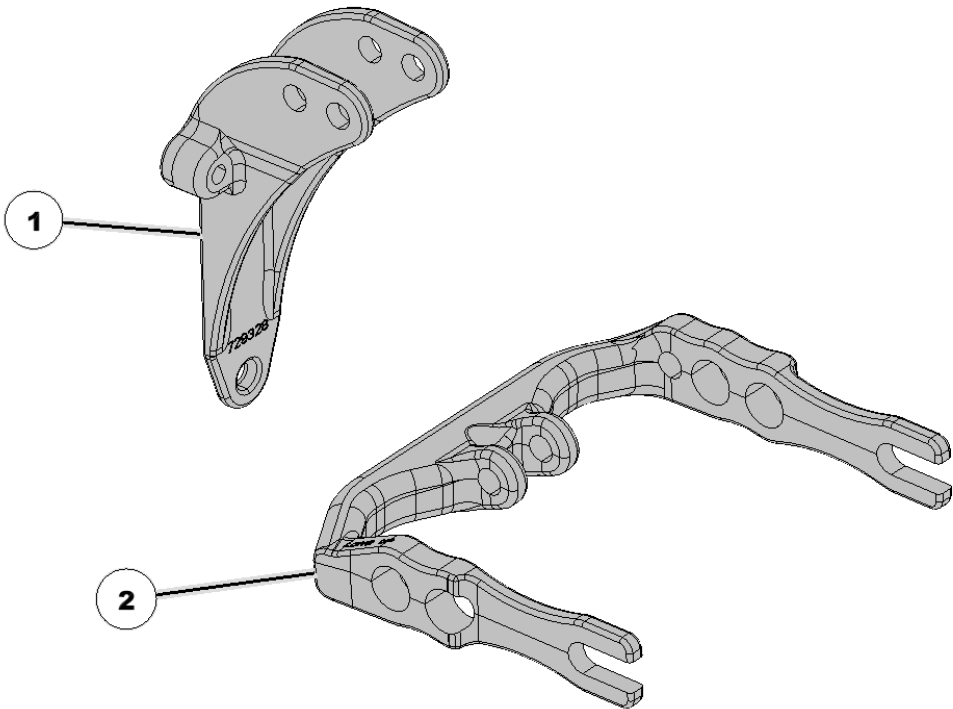
Item No.	Part Number	Part Name	QTY	Remarks
1	729256	Harness	1	Lift Manifold Extension 10'

# 729273 DeltaForce Stop Kit for Kinze 3000 Pusher Rows



Item No.	Part Number	Part Name	QTY	Remarks
1		ROW UNIT STOP	2	
2	13107	Bolt	2	3/8-16 x 1.25 GRD 5 BOLT ZN
3	37264_DNU	LOCK NUT	2	3/8-16 TOP LOCK STL ZINC
4	33082	Washer	2	3/8 SAE FLAT ZN

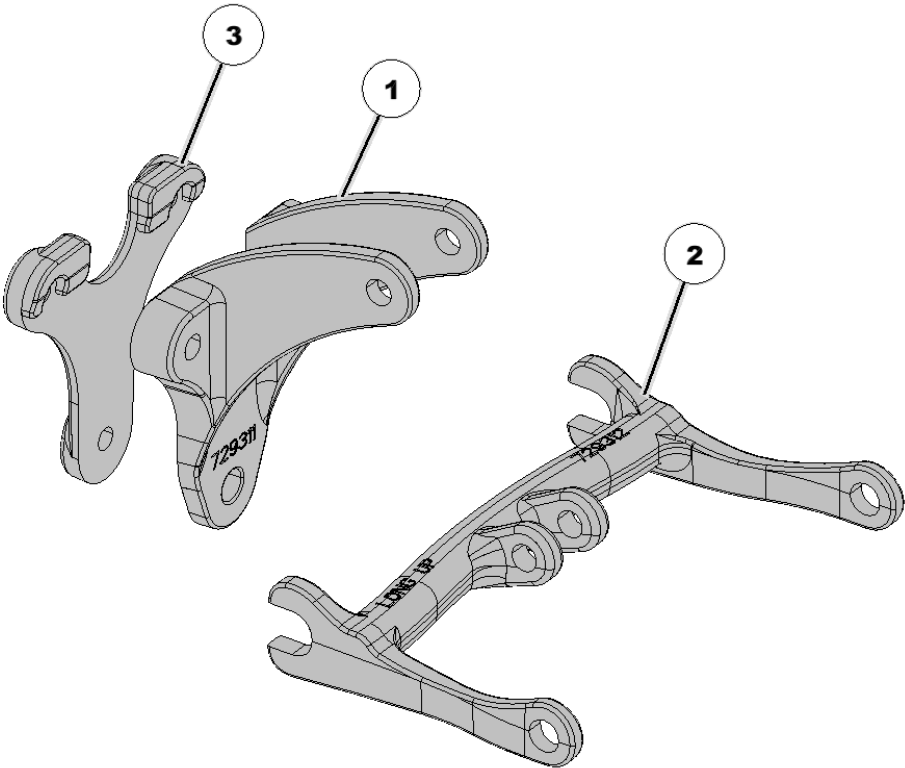
# 729300 JD 17xx/17x5/7200 Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		JD W-Mount Bracket	1	
2		JD Parallel Arm Bracket	1	JD PARALLEL ARM BRACKET
	729332	Hardware Kit DF -JD 17XX	1	JD 72XX, 17XX, 17X5/ME5 DF Brackets



# 729310 Kinze 3000 Pull Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Kinze W-Mount Bracket	1	
2		Kinze Parallel Arm Bracket	1	
3		Kinze W-Mount Support	1	
	729315	Hardware Kit DF -Kinze 3xxx	1	HARDWARE KIT

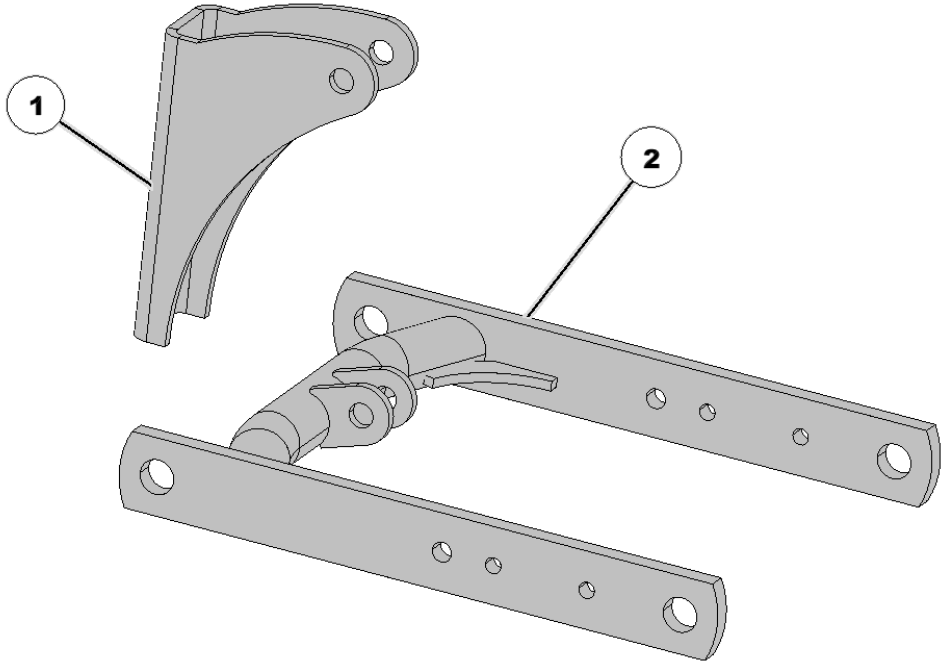
## 729314 DeltaForce Cylinder Pin Hardware Kit

Item No.	Part Number	Part Name	QTY	Remarks
1	729309	PIN	2	DF Cylinder Long Pin
2	65104	Cotter Pin	2	Hair Pin

## 729315 Hardware Kit for Kinze 3000 DF Brackets

Item No.	Part Number	Part Name	QTY	Remarks
1		Bushing	2	1.05 OD X 0.625 ID X 0.75 Sleeve
2		BUSHING	2	0.75 OR X 0.5 ID X 0.75 Sleeve
3		BOLT	4	1/2" X 2" GRD 5 ZN
4	33626	Washer	2	1/2" Lock Washer
5		LOCK WASHER	1	5/8" Split
6	37268	Nut	2	Top Lock 1/2-13 ZN
7	17313	Bolt	2	5/8-18 X 2 1/2 HHCS GR# 5 ZINC
8	33090	Washer	2	5/8 SAE FLAT ZN
9	37312	Nut	2	5/8-18 TOP LOCK STL ZINC
10		PIN	2	DF Cylinder - Long
11		Cotter Pin	2	Cotter Pin 5/32 X 1 1/4"

# 729320 Case IH Row Unit Mount Kit

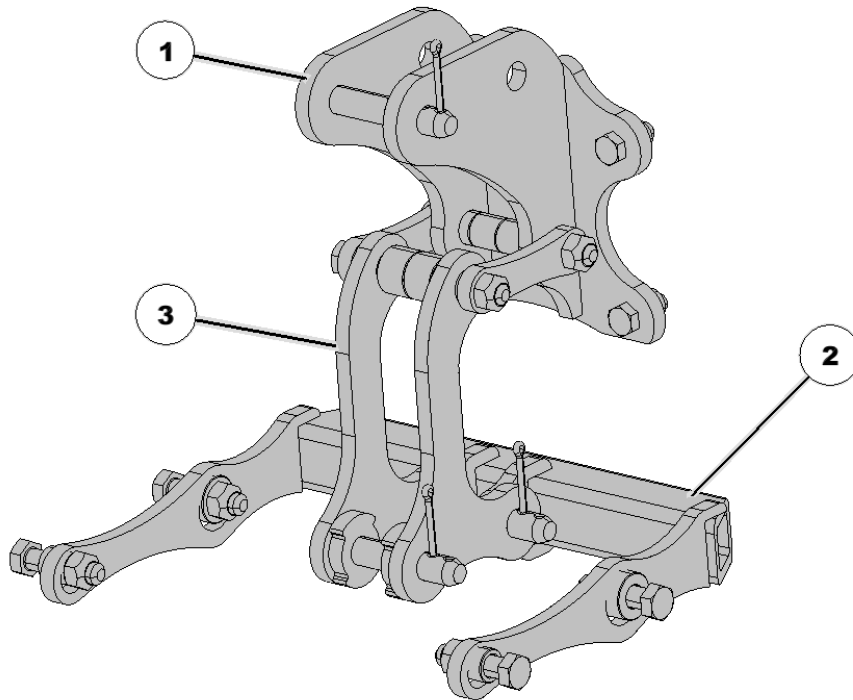


Item No.	Part Number	Part Name	QTY	Remarks
1		Bracket	1	Case Cylinder W Mount
2		Parallel Arm	1	PARALLEL ARM
	729325	Hardware Kit	1	DF - Case 12XX

## 729325 Hardware Kit for Case IH 12XX DF Brackets

Item No.	Part Number	Part Name	QTY	Remarks
1		PIN	2	DF Cylinder
2		Cotter Pin	2	5/32" X 1 1/4" Cotter Pin
3	13206-DNU	BOLT	3	1/2-13 X 1.125 Grade 5 ZN
4	37268	Nut	3	Top Lock 1/2-13 ZN

## 729330 White 6/8/9000 Row Unit Mount Kit (Non vDrive Only)



Item No.	Part Number	Part Name	QTY	Remarks
1		Upper Cylinder Mount	1	WHITE DELTAFORCE
2		Lower Cylinder Mount	1	WHITE DELTAFORCE
3		Offset Kit	1	WHITE DELTAFORCE
	729385	Hardware Kit	1	WHITE DELTAFORCE W/ VDRIVE

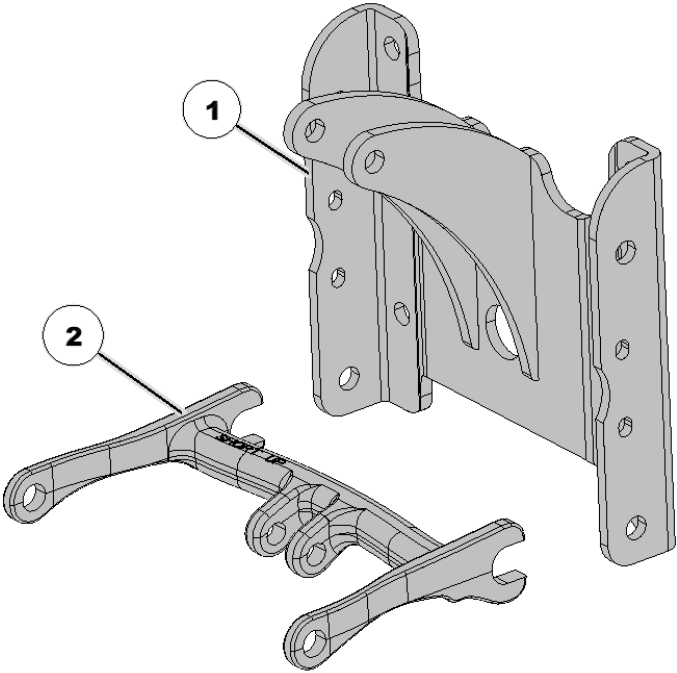
## 729332 Hardware Kit for JD 72XX, 17XX, 17X5/ME5 DF Brackets

Item No.	Part Number	Part Name	QTY	Remarks
1		BUSHING	2	Sleeve Bearing
2		BUSHING	2	Sleeve Bearing
3		MOUNT BOLT	4	JD Pro Shaft - Long
4	726508_DNU	BOLT	2	M12-1.75 x 50 Class 10.9 ZN Yellow
5	726205	Lock Nut	4	M12-1.75 Top ZN Y
6		FLANGE NUT	2	M10-1.5 HEX ZN
7	0162348_DNU	BOLT	2	M10 X 1.5 X 55mm Zinc Yellow
8	726291	Hex Nut	1	M16-2.0 Top Lock Nut ZN Y
9	0162436_DNU	BOLT	1	M16 X 2.0 X 45MM 8.8 ZINC YELLOW
10		PIN	2	DF Cylinder
11		BOLT	2	M12-1.75 x 60 Class 10.9 ZN
12		Cotter Pin	2	5/32 X 1 1/4" Zinc Coated
13	33090	Washer	1	5/8 SAE FLAT ZN

## 729335 Hardware Kit for White DF Brackets (Non vDrive)

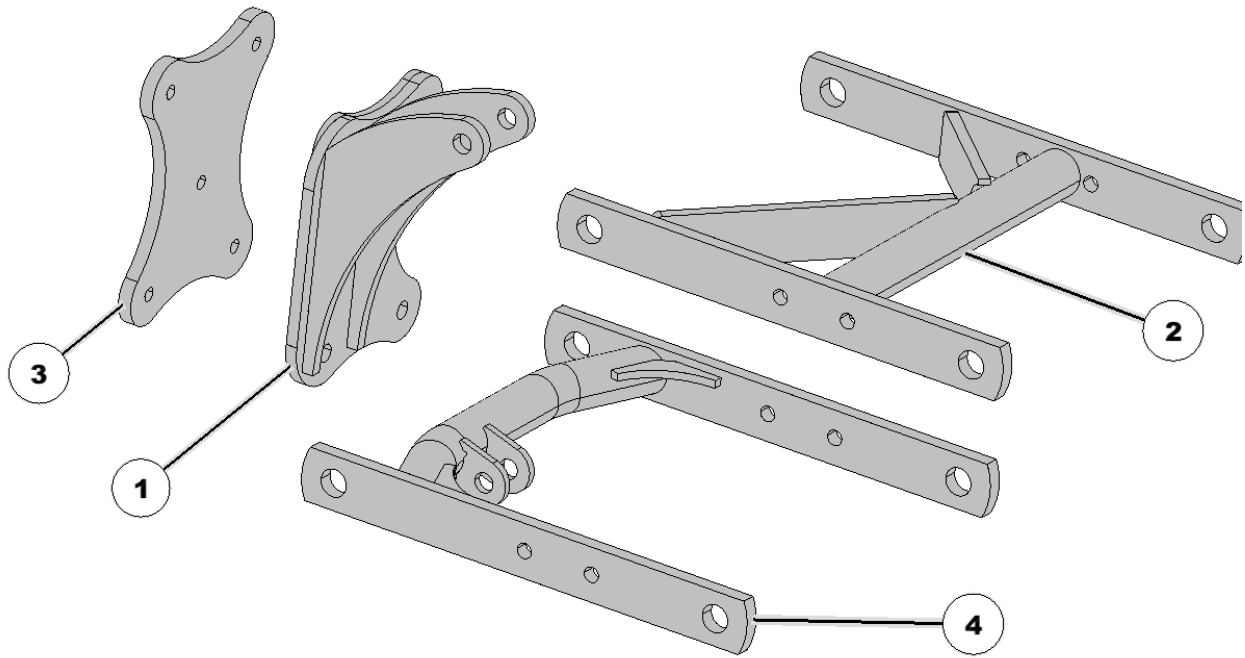
Item No.	Part Number	Part Name	QTY	Remarks
1		NUT	2	M12x1.75 Lock Nut
2		NUT	2	M12x1.75x110mm HEX Head Cap Screw
3		PIN	1	DF Cylinder - Long
4		Cotter Pin	1	5/32 X 1.25 Cotter ZN
5		BUSHING	2	
6		BUSHING	6	

# 729340 Kinze 2000 Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Bracket	1	JD 7000 / KZ 2000 DF
2		Kinze Parallel Arm Bracket	1	
	729315	Hardware Kit DF -Kinze 3xxx	1	HARDWARE KIT

## 729350 Kinze 3000 Push Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Cylinder Bracket	1	KINZE PUSHER, W-MOUNT
2		Parallel Arm Kinze Pusher Upper	1	KINZE PUSHER UPPER
3		Mount Plate	1	W-MOUNT REAR - KINZE PUSHER
4		Parallel Arm Kinze Pusher Lower	1	KINZE PUSHER LOWER
	729355	Hardware Kit	1	Kinze Pusher



## 729355 Hardware Kit for Kinze 3000 Pusher DF Brackets

Item No.	Part Number	Part Name	QTY	Remarks
1		BOLT	4	1/2-13 x 1.25 Grade 5 Zn
2		LOCK WASHER	4	1/2" Split
3		PIN	2	DF Cylinder - Long
4		Cotter Pin	2	5/32 X 1 1/4"

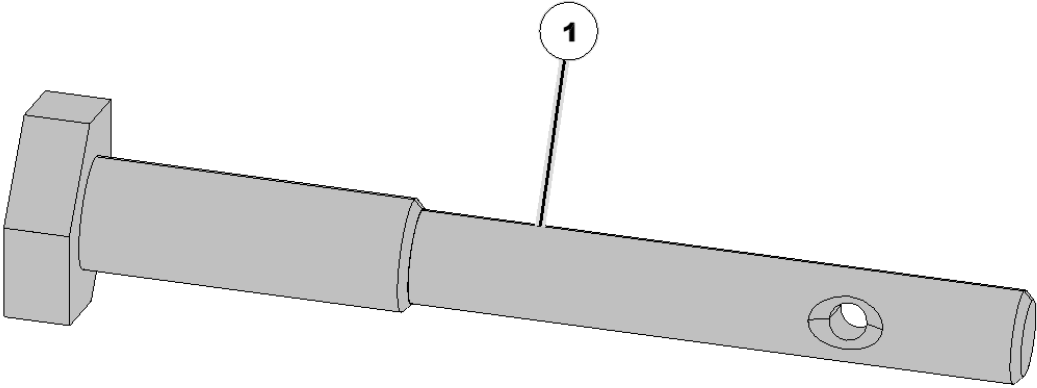
## 729370 Kinze 3600 Hydraulic Hose Guideway Assembly



Item No.	Part Number	Part Name	QTY	Remarks
1		Lower Frame Hose Assembly	1	
2		Vertical Bracket	1	
3		Vertical Mount Assembly	1	
4		Lower Front Mount	1	
5		Lower Back Mount	1	
6		Upper Cover	1	
7		Lower Cover	1	
8		Sleeve	1	Nylon Hydraulic 3.25

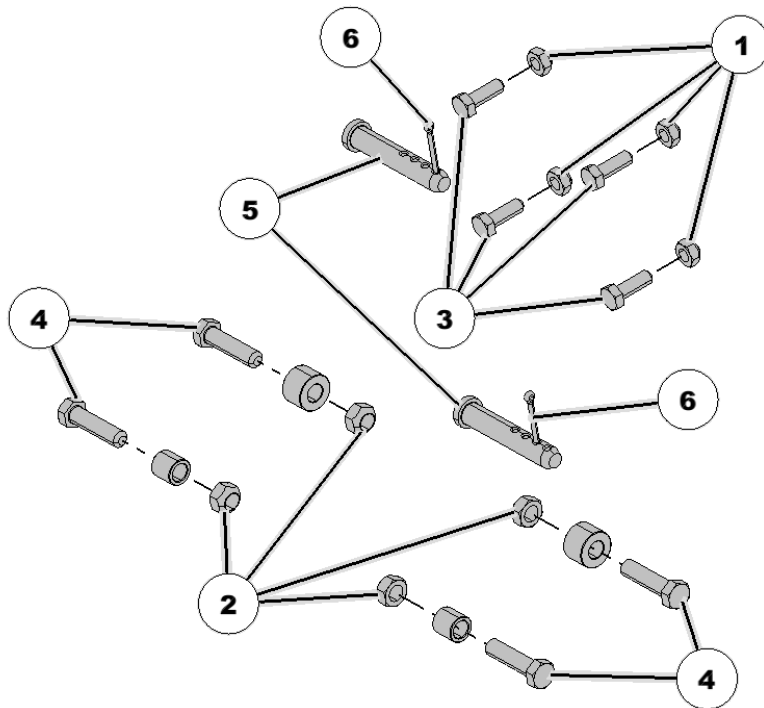
<b>Item No.</b>	<b>Part Number</b>	<b>Part Name</b>	<b>QTY</b>	<b>Remarks</b>
9		Hardware	1	ShieldSense Kit
10		Sleeve	1	Nylon Hydraulic

# 729384 JD Proshaft Slide Kit



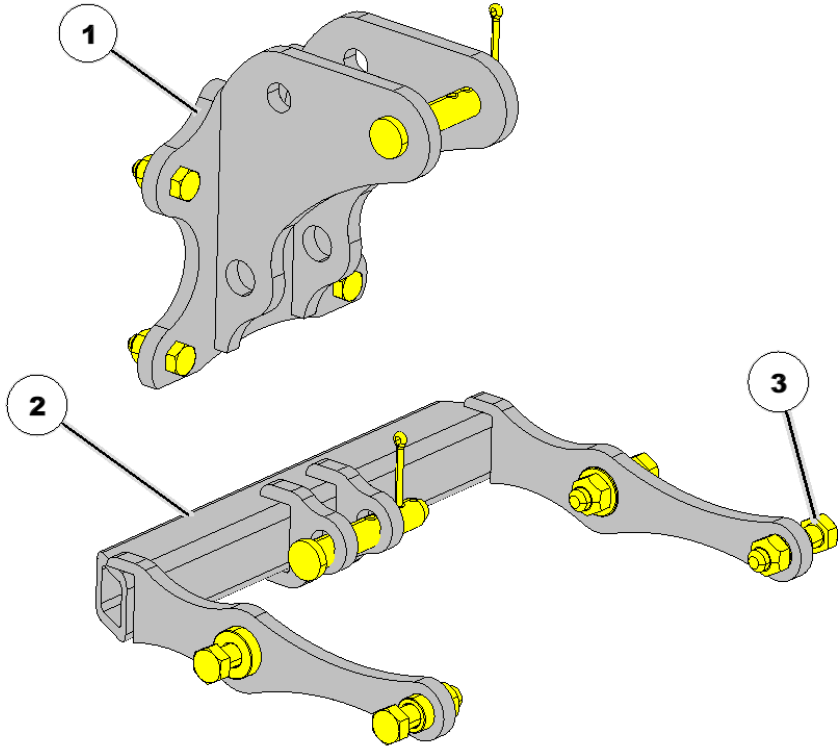
Item No.	Part Number	Part Name	QTY	Remarks
1		MOUNT BOLT	2	JD Proshaft - Long

## 729385 Hardware Kit for White DF Brackets (vDrive Bracket)



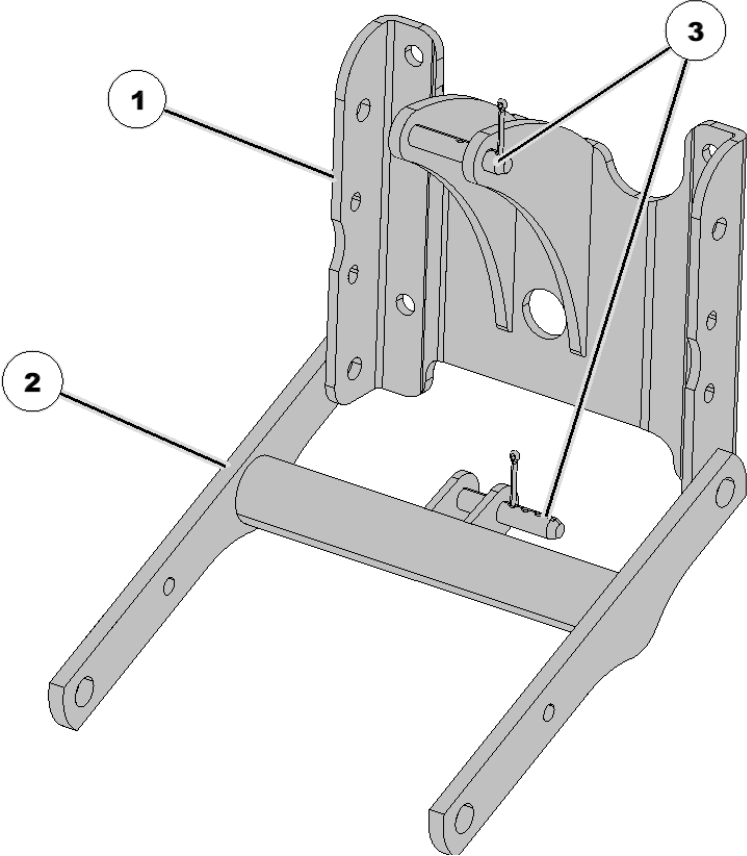
Item No.	Part Number	Part Name	QTY	Remarks
1		NUT	4	M10 Top Lock Nut
2		NUT	4	M12x1.75 Lock Nut
3		BOLT	4	M10X1.5X30 mm Full Thread
4		BOLT	4	M12X1.75X50 mm
5		PIN	2	DF Cylinder - Long
6		Cotter Pin	2	5/32 x 1.25 Cotter Pin
7		BUSHING	2	
8		BUSHING	2	

# 729390 White 6/8/9000 Row Unit Mount Kit (vDrive Only)



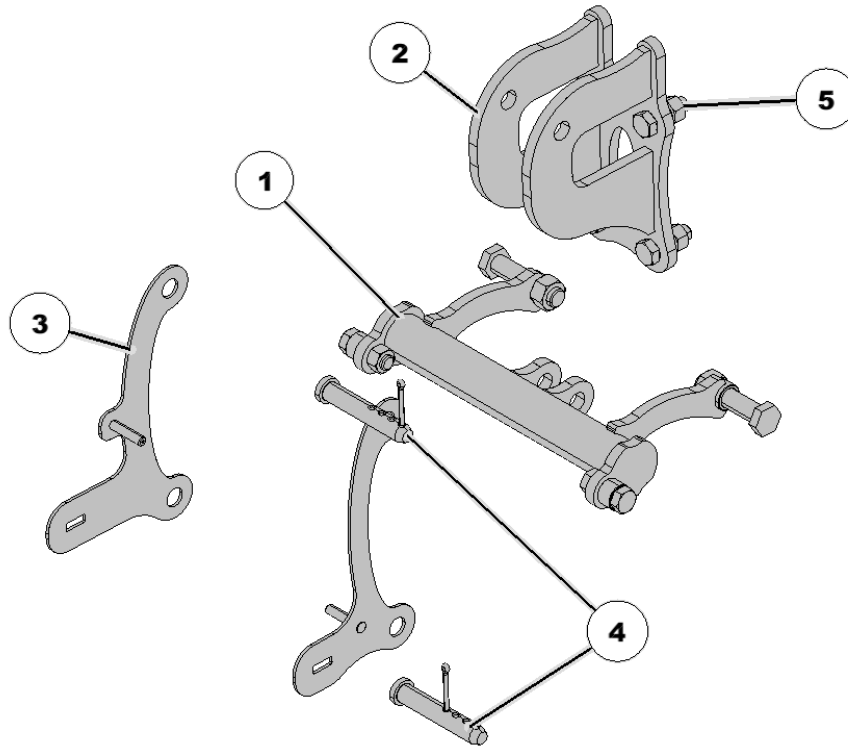
Item No.	Part Number	Part Name	QTY	Remarks
1		Upper Cylinder Mount	1	WHITE DELTAFORCE
2		Lower Cylinder Mount	1	WHITE DELTAFORCE
3	729385	Hardware Kit	1	Includes all Yellow Items

# 729393 JD 7000 Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Bracket	1	JD 7000 / KZ 2000 DF
2		Lower Arm	1	JD 7000 WITH DF
3	729314	Hardware Kit	1	DF Cylinder Pins

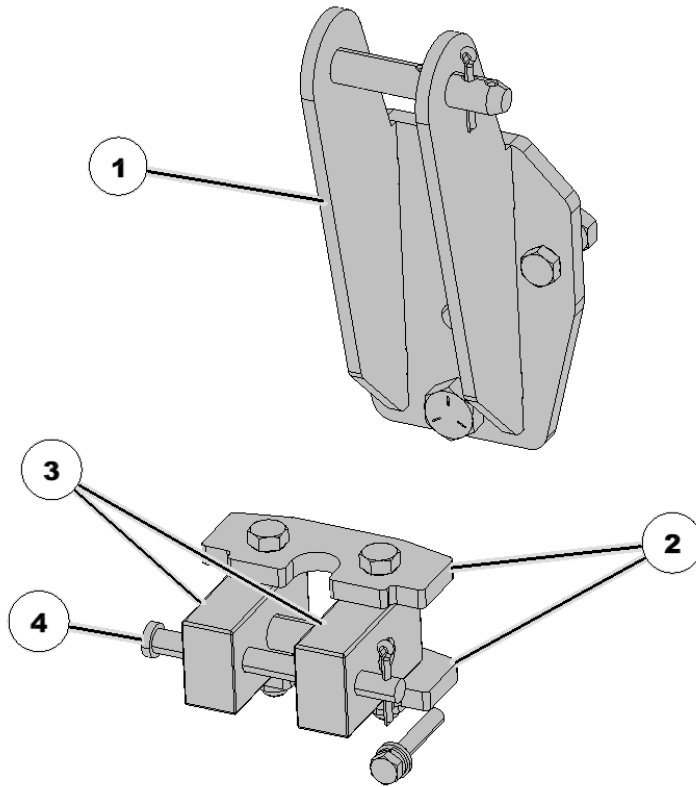
## 729395 Kinze 4900 Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Parallel Arm	1	KZ 4900
2		Parallel Arm	1	DF MOUNT, UPPER
3		BRACKET	1	KZ 4900, VSET/VDRIVE
4	729314	Hardware Kit	1	DF Cylinder Pin
5	729283	Hardware Kit DF KZ 4000	1	DF, KZ 4900

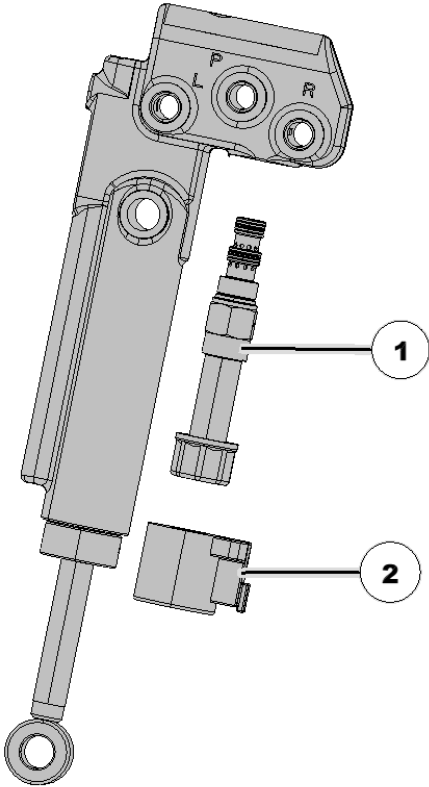


# 729396 JD Twin Row Unit Mount Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		BRACKET	1	TWIN ROW UPPER BRACKET
2		BRACKET	2	LOWER BRKT CLAMP
3		BRACKET	2	LOWER PIN JOINT, TWIN ROW
4	729514	HARDWARE KIT	1	TWIN ROW DF HARDWARE KIT

# 729602 Hydraulic Cylinder



Item No.	Part Number	Part Name	QTY	Remarks
1	729609	Delta Pressure Control Valve	1	Also Used as Lift Valve in the Lift Manifold
2	729606	Delta Force Valve Coil	1	

# 729610 30" Inter-Row Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		HOSE AS.	3	-6 X 29" -6 ORFS-F, -6 ORFS-F
2	729615	Inter Row Fitting Kit	1	

## 729611 20"/22" Inter-Row Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Hose Assembly 19.5"	3	-6 X 20 ORFS-F, ORFS-F
2	729615	Inter Row Fitting Kit	1	

# 729612 36"/38" Inter-Row Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		729736	3	Hose -6 X36 ORFS-F, ORFS-F
2	729615	Inter Row Fitting Kit	1	

# 729613 45" Inter-Row Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		HOSE AS.	3	-6 X 44" -6 ORFS-F, -6 ORFS-F
2	729615	Inter Row Fitting Kit	1	

# 729614 End Row Plug Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		O-Ring Boss Plug External Hex Buna Seal	6	Plug -6 SAE HEX

# 729615 Fittings Kit for Custom Inter-Row Hose



Item No.	Part Number	Part Name	QTY	Remarks
1		45 DEG FITTING	6	-6 ORB-M, ORFS-M 45 Custom Long Adapter



## 729616 2 Frame Hydraulic Fitting Kit

Item No.	Part Number	Part Name	QTY	Remarks
1		RUN TEE	3	-6 ORFS SWIVEL NUT RUN TEE
2		Connector	3	-8 SAE X -6 ORFS STRAIGHT
3		Elbow	3	-6 ORFS-M X -6 ORFS-F SWIVEL ELBOW
4		ADAPTER	3	-10 SAE X -8 ORFS STRAIGHT

## 729617 3 Frame Hydraulic Fitting Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		RUN TEE	9	-6 ORFS SWIVEL NUT RUN TEE
2		Connector	3	-8 SAE X -6 ORFS STRAIGHT
3		Elbow	6	-6 ORFS-M X -6 ORFS-F SWIVEL ELBOW
4		Elbow	3	-8 SAE X -6 ORFS 90 DEG

# 729619 End Row Diagnostic Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Diagnostic Nipple- 6-ORB	6	-6 ORB (Includes Dust Cap)

## 729620 90 Degree Fittings Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		Elbow	6	-6 ORFS-M X -6 ORFS-F SWIVEL ELBOW

# 729621 Run Tee Fittings Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		RUN TEE	6	-6 ORFS SWIVEL NUT RUN TEE

**729626 DeltaForce Filter Replacement O-Ring**



Item No.	Part Number	Part Name	QTY	Remarks
1	729626	O-ring	2	Delta Force Filter Nut

## 729627 Tight Clearance Fittings Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		ELBOW	6	-6 SAE X -6 ORFS 45 DEG

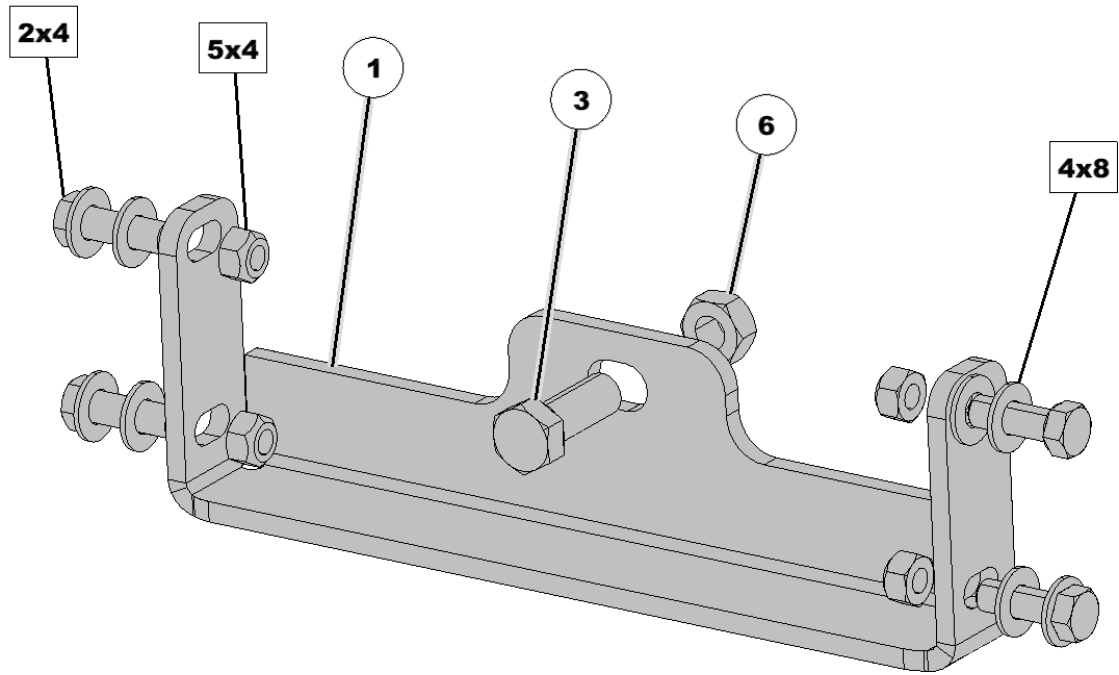
## 729628 90 Degree Cylinder Fittings Kit



Item No.	Part Number	Part Name	QTY	Remarks
1		ELBOW	4	-6 SAE-M X -6 ORFS-M 90 DEG
2		ELBOW	2	-6 SAE-M X -6 ORFS-M 90 DEG Long

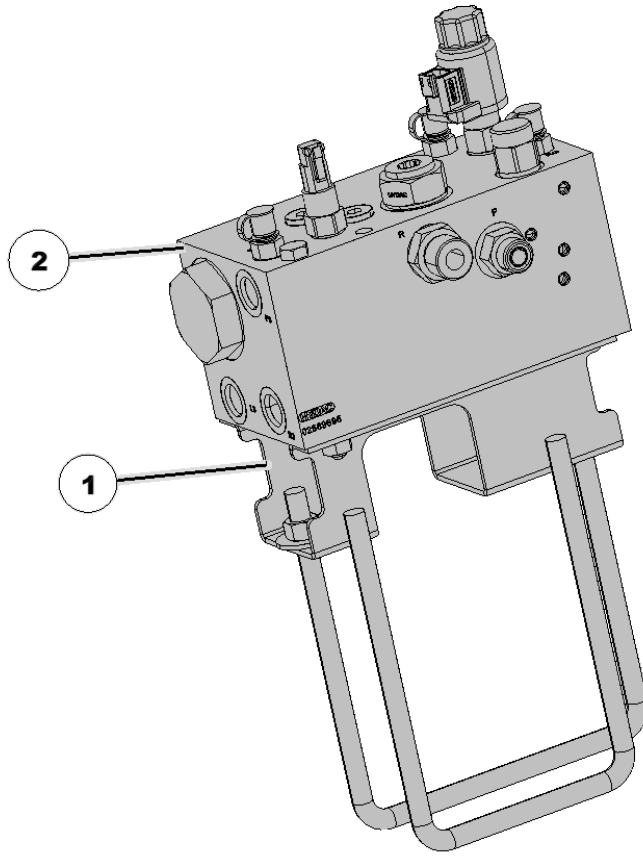


## 729637 Case IH 1260/1265 W Mount Stiffener Bracket



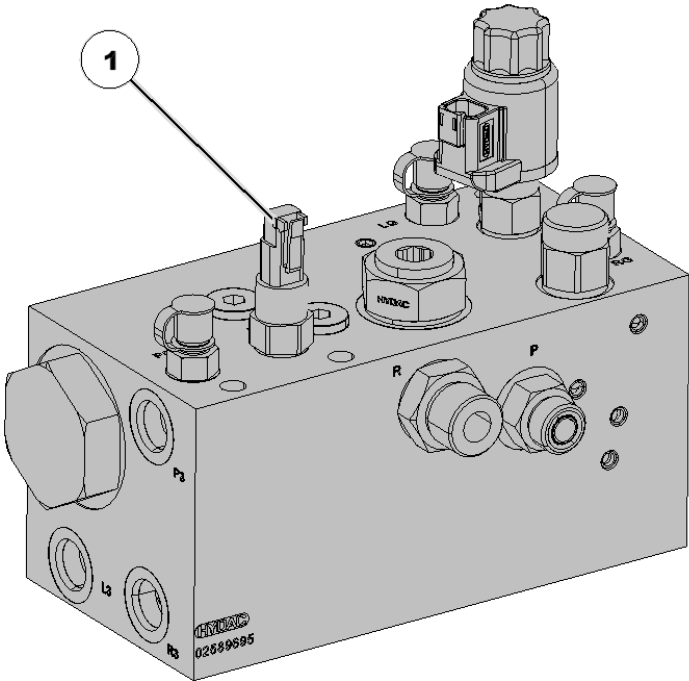
Item No.	Part Number	Part Name	QTY	Remarks
1		BRACKET	1	Case 12XX
		KIT	1	Case 12XX Stiffener Hardware
2		Bolt	4	3/8-16 x 1 1/8 Grade 5
3		BOLT	1	1/2"-13 x 1.375 Grade 5
4		Washer	8	3/8" SAE Flat
5		LOCK NUT	4	3/8"-16 Top Lock
6		Nut	1	Top Lock 1/2"-13

# 729650 DeltaForce Base Kit



Item No.	Part Number	Part Name	QTY	Remarks
1	729656	Mount Kit	1	DF MANIFOLD MOUNT
2	729651	Delta Force Lift Manifold	1	DELTAFORCE LIFT
	729654	Hose Kit	1	DF LIFT MANIFOLD
	729058	DeltaForce Spare Kit	1	Diagnostic Tools
	955293	Instructions	1	DeltaForce Installation
	955340	Reference Card	1	DeltaForce Quick

# 729651 DeltaForce Lift Manifold



Item No.	Part Number	Part Name	QTY	Remarks
1	727007	Sensor	1	Pressure and Temperature

## 729653 DeltaForce Lift Manifold Filter

Item No.	Part Number	Part Name	QTY	Remarks
1	729653	FILTER, DELTAFORCE	1	LIFT MANIFOLD

## 729654 DeltaForce Lift Manifold Hose Kit

Item No.	Part Number	Part Name	QTY	Remarks
1		729736	3	Hose -6 X 36 ORFSS-F, ORFS-F Also Includes Cable Ties for Hose ID
2		FITTING KIT	1	LIFT MANIFOLD