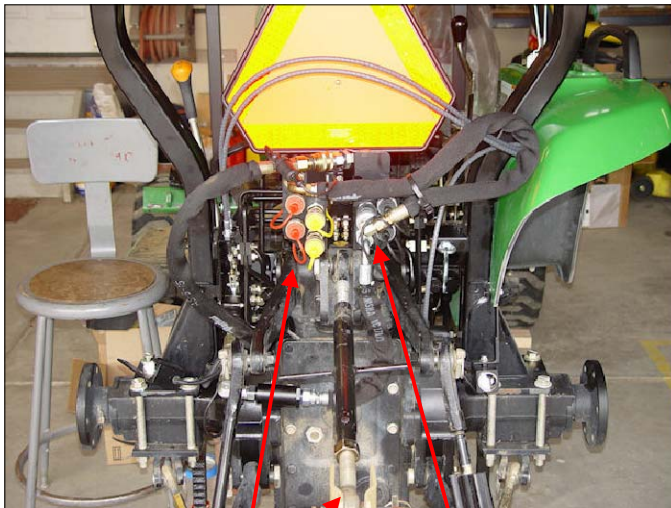


GENERAL NOTES:

1. The goal of this design is to relocate the Top-n-Tilt side-link pivot point from the left side-link's lower attachment point to the tractor's centerline.
2. The reason for this proposed design is to minimize the chance of the hydraulic top-link contacting the Power-Beyond and SCV connections with yellow dust-caps when tilting an implement.
3. By connecting opposite cylinder ports the plan is to raise one cylinder while lowering the opposite cylinder, and vice-versa. A neutral level condition would be somewhere in the middle of the cylinders' strokes.



4th & 5th SCV
Original Top-Link
Power-Beyond & 3rd SCV



Hydraulic Top-Link in fully raised and retracted position.

REVIEW STATUS

	APPROVAL	DATE		APPROVAL	DATE		APPROVAL	DATE
DESIGNER:	M.J.N.	01/09/2010	ENG./ARCH.:	---	mm/dd/yyyy	CLIENT:	---	mm/dd/yyyy
USERNAME: Matt	DATE: 01/09/2010	TIME: 16:16	LAYOUT: ANSI A	AutoCAD: 18.0s	PLATFORM: Microsoft Windows NT Version 5.1 (x86)			
DWG. FILE: Sidelink.dwg						PLOT FILE: lw-metric.stb	PLOT SCALE: 1.055372:1	
DWG. FOLDER: C:\Documents and Settings\All Users\Documents\automotive\2001_John_Deere_4200\Hydraulics\Top-n-Tilt\								



Proposed Hydraulic Side-Link Schematic

CLIENT PROJECT NUMBER		iMaJiNe PROJECT NUMBER		DRAWING NUMBER	
---		---		Sidelink	
NO.	REVISIONS	DATE	BY	APP'D.	
P	Request For Information	01/09/10	MJN	MJN	