



**FIELD INSTALLATION
REMOTE CONTROL
INSTRUCTION MANUAL**

**1900 NORTH STREET
MARYSVILLE, KANSAS 66508
(785) 562-5381**



ALL OF THE COMPONENTS TO CONVERT YOUR TRAILER TO REMOTE IS INCLUDED IN THIS PACKET.
VALVE NEEDS TO BE REMOVED FROM TRAILER FOR EASY ACCESS

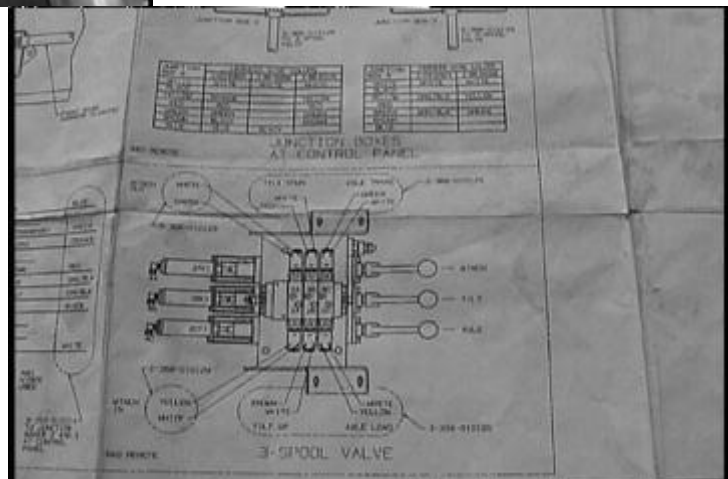
MOUNTING PLATE

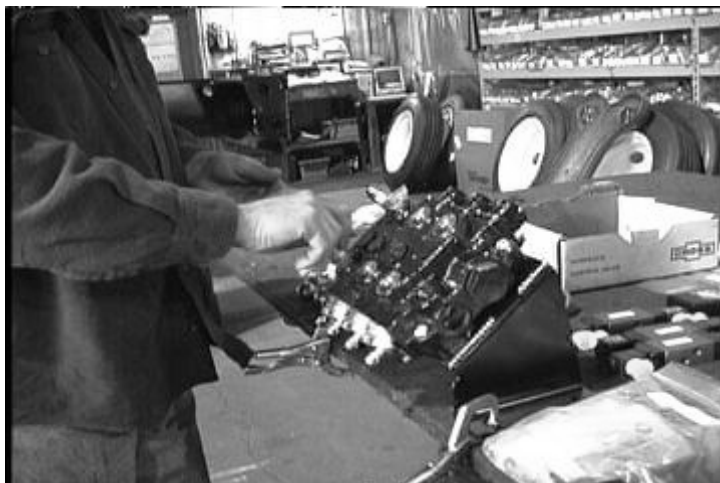


ACCESSORY PARTS FOR REMOTE INSTALLATION

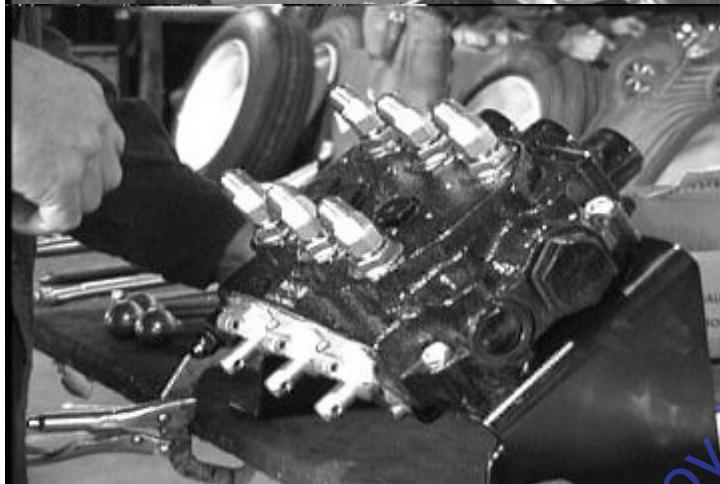


WIRING SCHEMATICS ARE FURNISHED WITH FIELD INSTALL KIT





MOUNT VALVE TO MOUNTING PLATE IF
NOT ALREADY INSTALLED

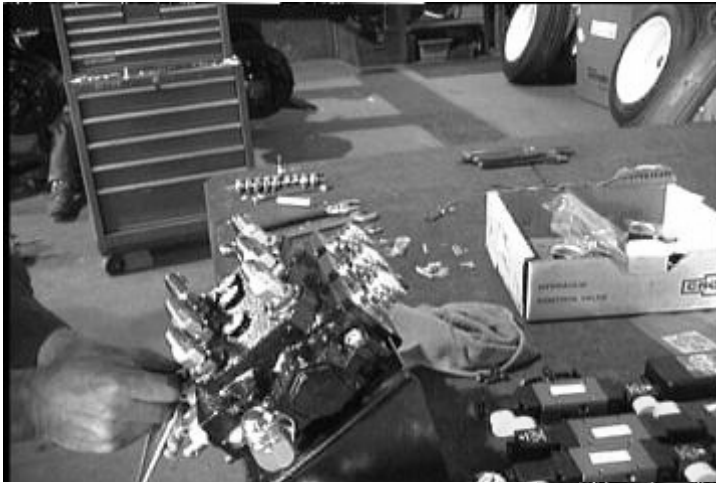


INSERT HYDRAULIC FITTINGS AS
SHOWN IN PICTURE AND TIGHTEN
DOWN



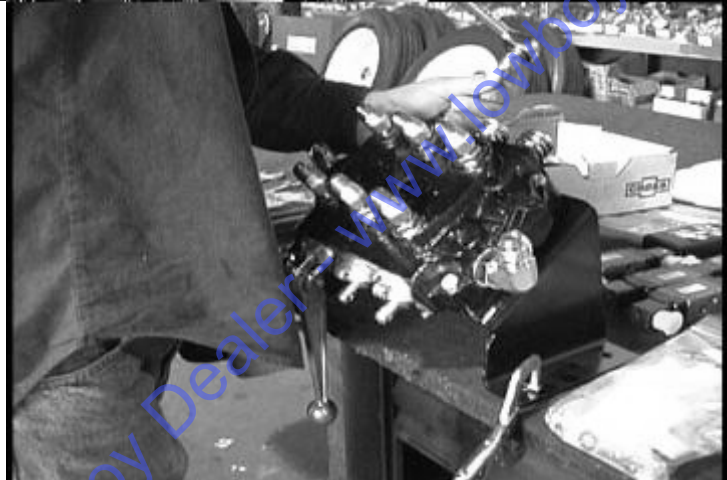
REMOVE DUST COVERS FROM BACK OF
SPOOLS



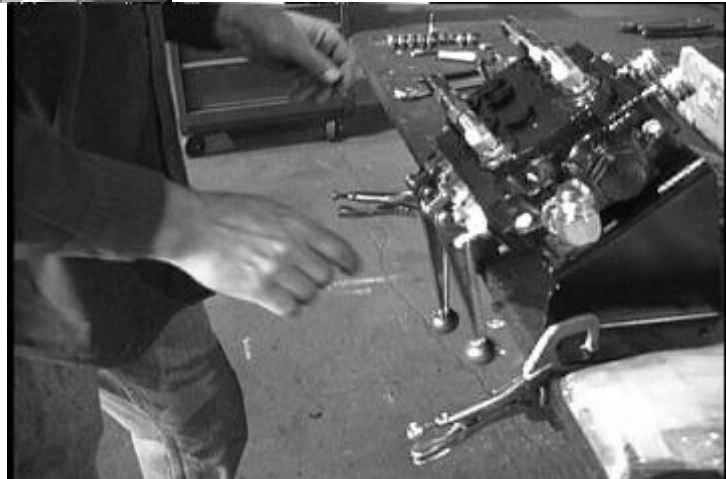


INSTALL HANDLES TO KEEP SPOOL FROM TURNING WHEN REMOVING RETURN SPRINGS

REMOVE RETURN SPRINGS FROM SPOOL

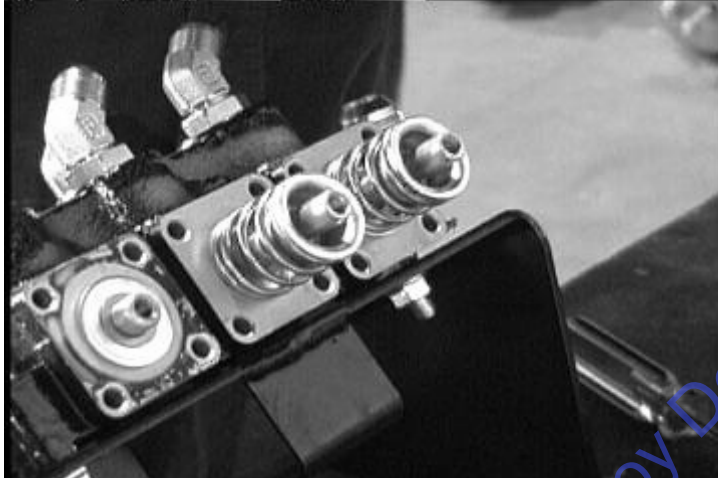


REPEAT OPERATION ON ALL THREE SPOOLS





REMOVE SPRING RETENTION BOLTS
AND REPLACE WITH THESE STUDS



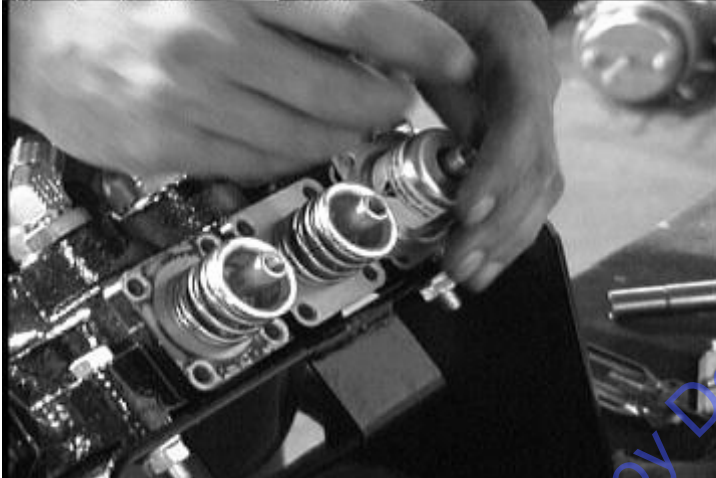
REPLACE THE WASHER AND THEN
APPLY A SMALL AMOUNT OF
LOCKTITE TO THE THREADS



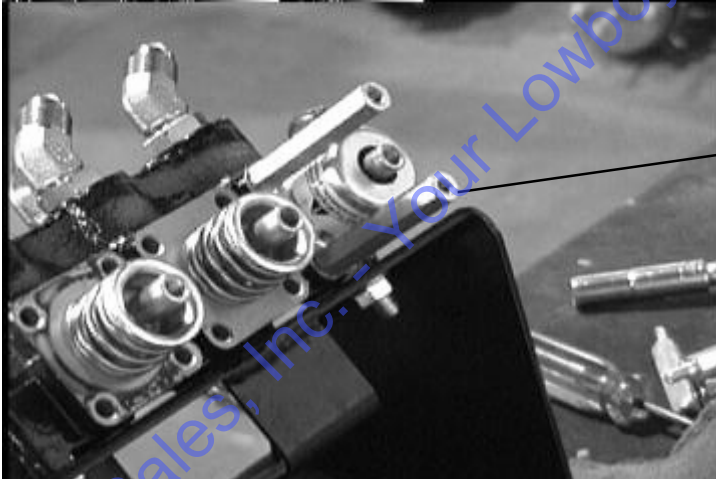
AND THEN INSERT AND TIGHTEN IN
PLACE



PLACE DUST COVER OVER RETURN SPRINGS

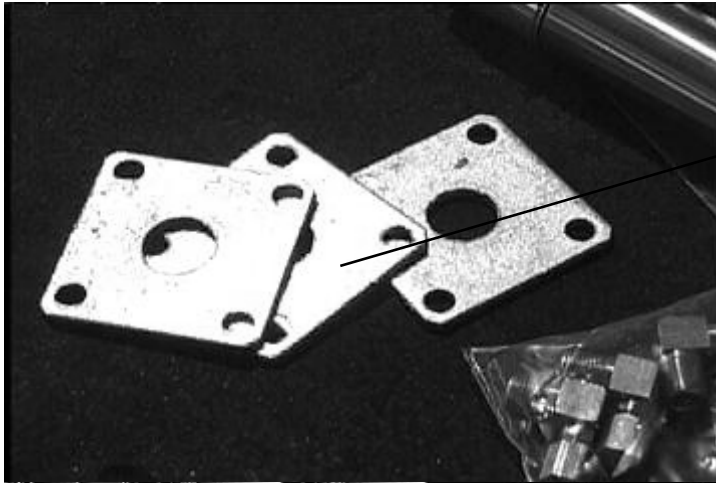


USE LONG STANDOFF BOLTS TO HOLD DUST COVERS IN PLACE
DO NOT TIGHTEN THEM DOWN YET



AIR SLAVE CYLINDER





AIR SLAVE CYLINDER MOUNTING
PLATE



IF THESE PLATES ARE NOT DRILLED
OUT TO 5/16 PLEASE DO SO NOW



INSTALL THEM ON THE SLAVE CYLIN-
DER NOW AND TIGHTEN THEM DOWN
SO THE AIR PORT IS CENTERED ON
THE FLAT SIDE OF THE PLATE



APPLY A SMALL AMOUNT OF LOCK-
TITE TO THE THREADS OF THE RAM
OF THE SLAVE CYLINDER AND
TIGHTEN THEM DOWN



INSTALL THE OTHER 2 STANDOFF
BOLTS AND THEN INSTALL MOUNT-
ING BOLTS
DO NOT TIGHTEN MOUNTING BOLTS
YET



ONCE ALL MOUNTING BOLTS ARE
INSTALLED TIGHTEN STANDOFF
BOLTS

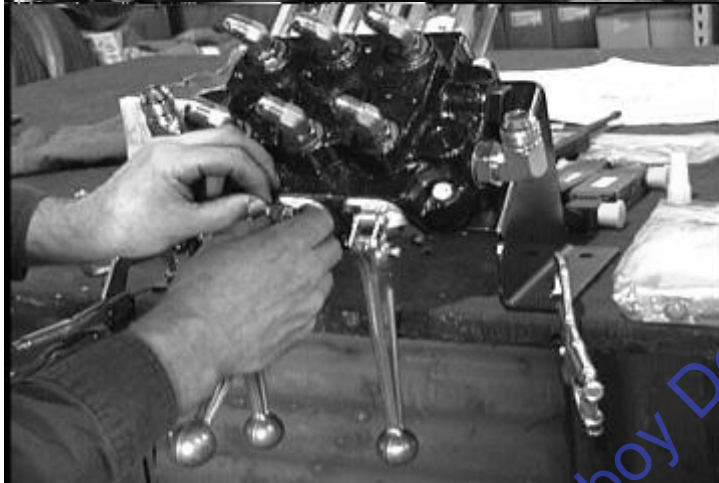


THEN TIGHTEN THE MOUNTING
BOLTS. MAKE SURE THE SLAVE CYL-
INDER IS NOT IN A BIND





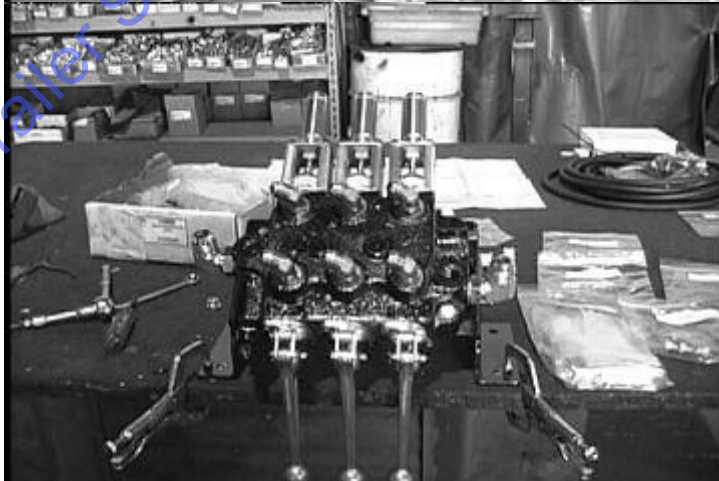
USE THE SAME PROCESS FOR THE
OTHER 2 AIR SLAVE CYLINDERS



FINISH INSTALLING THE HANDLES



CHECK TO MAKE SURE THE VALVES
ARE NOT IN A BIND BY WORKING THE
HANDLE IN AND OUT. IF THEY STICK
LOOSEN MOUNTING BOLTS AND RE-
TIGHTEN THEM





MAKE SURE THE AIR PORTS ARE FACING TOWARDS THE BOTTOM OF THE MOUNTING BRACKET

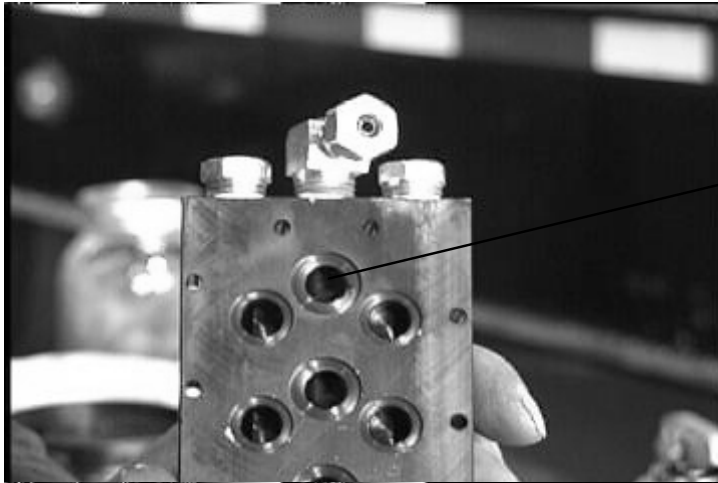


INSTALL THE AIR FITTINGS IN THE SLAVE CYLINDERS



AIR DISTRIBUTION MANIFOLD





INSTALL AIR FITTING AND PIPE PLUGS AS SHOWN. NOTICE THE POSITION OF HOLES IN PLATE

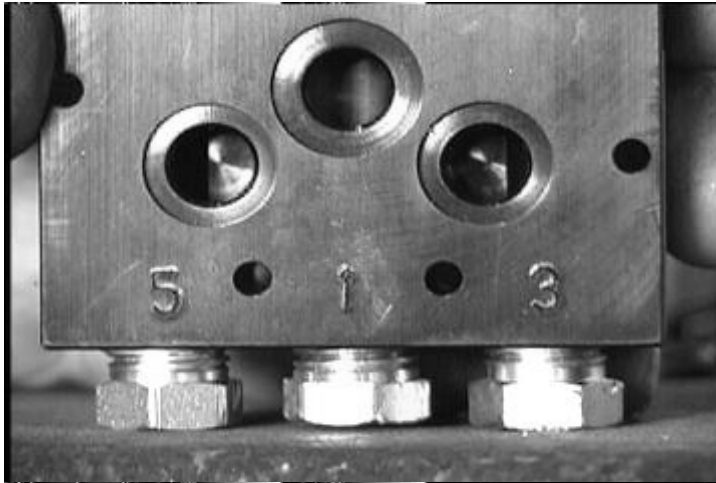


ON THE OTHER END OF THE MANIFOLD INSTALL 1 PLUG AND 2 BREATHERS



BEFORE INSTALLING AIR VALVES NOTICE THE NUMBERS ON THE BOTTOM AND TOP OF AIR VALVE





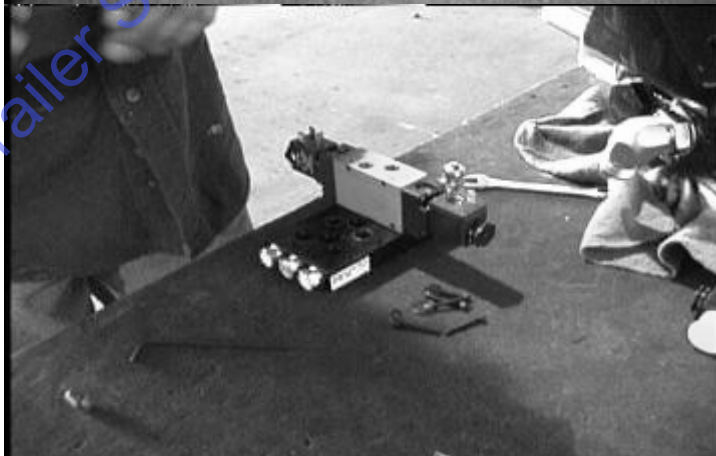
ON THE MANIFOLD IS A NUMBER STAMPED IN IT. BE SURE THE NUMBER MATCHES WITH THE SIDE OF THE AIR VALVE AND PLACE THOSE NUMBERS TOGETHER.



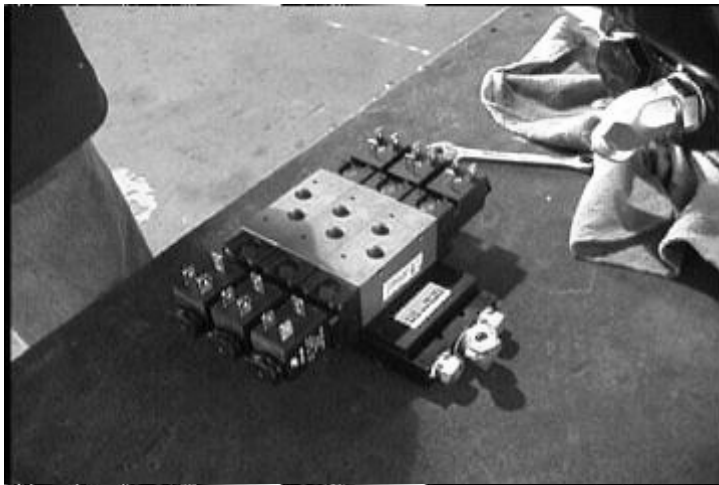
IN THE FIRST SET OF HOLES PLACE THE O-RINGS



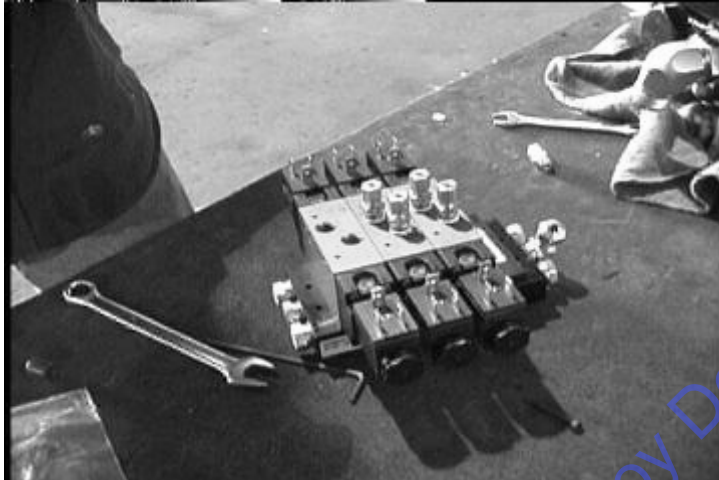
THEN ATTACH THE BLANK PLATE



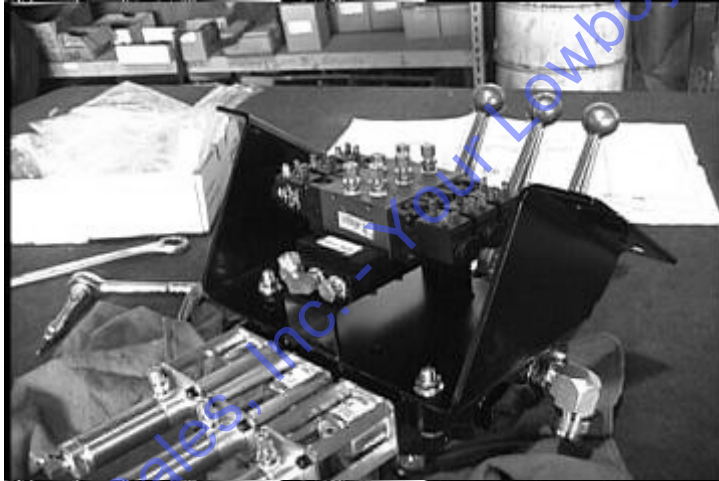
IN THE NEXT SET OF HOLES PLACE THE O-RINGS AND THEN THE AIR VALVE MAKING SURE THE NUMBERED SIDES MATCH AND THE PORTS LINE UP



INSTALL THE OTHER VALVES THE
SAME WAY



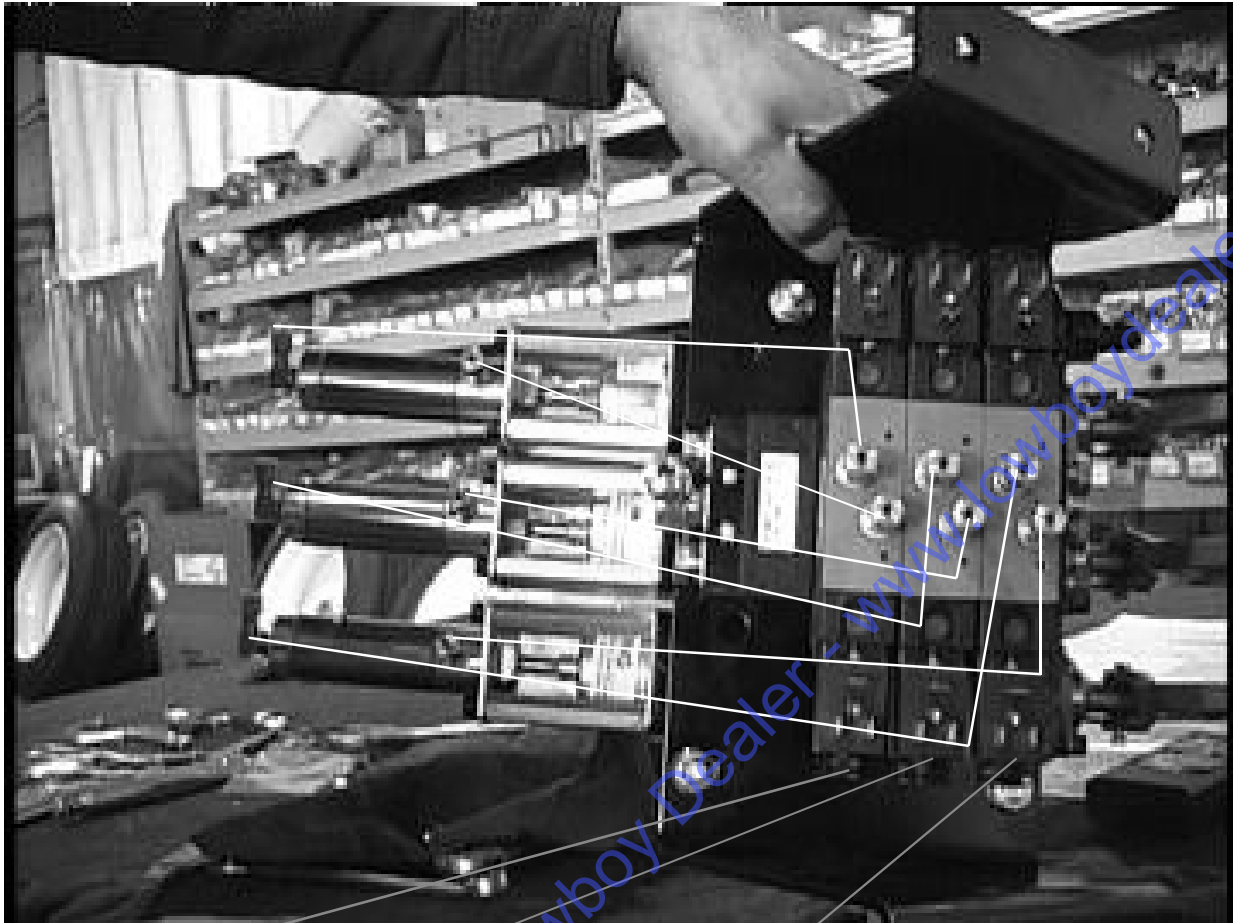
INSTALL THE FITTINGS IN THE AIR
VALVE



INSTALL THE MANIFOLD TO THE
VALVE MOUNTING BRACKET



SEE NEXT PAGE FOR AIR LINE
PLUMBING

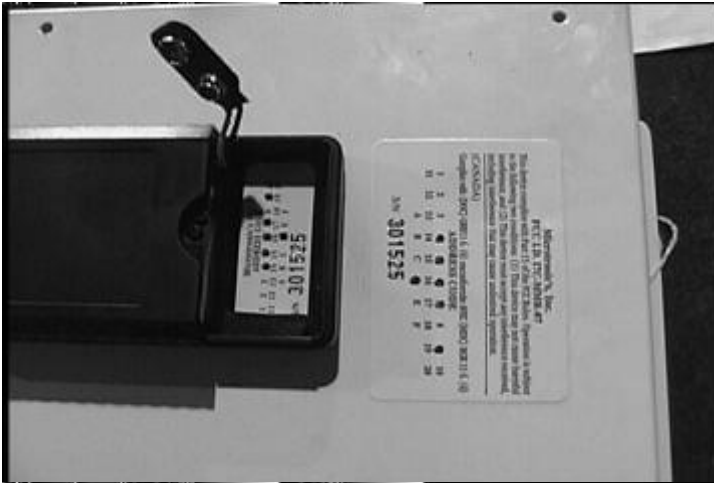


WINCH ON
660 & 930

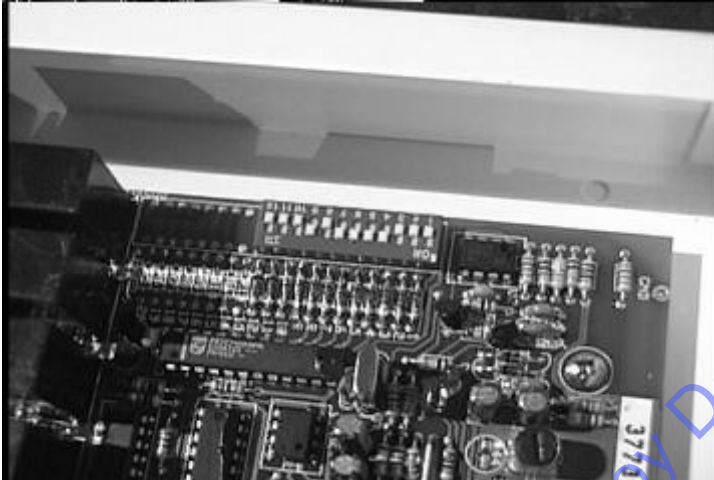
TILT ON 660
TAIL & UNDER-
CARRIAGE ON
930

UNDER-
CARRIAGE
ON 660

WHEN PLUMBING AIR LINES IT IS BEST TO WAIT TILL YOU HAVE VALVE MOUNTED ON



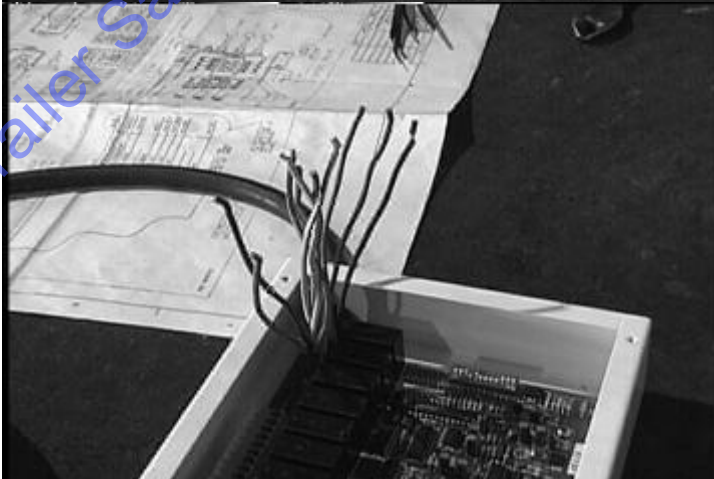
ON THE HAND HELD REMOTE MAKE SURE THE NUMBERS MATCH



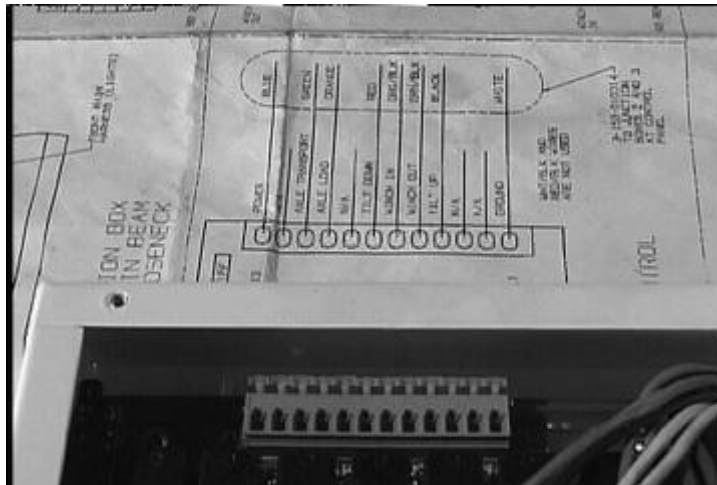
MAKE SURE THE DIP SWITCHES MATCH THE NUMBER ON THE PLATE AND REMOTE



NUMBER IS ALSO ATTACHED TO A TAG



NEXT STEP IS TO INSTALL CABLE IN CONTROL BOX



BLUE

GREEN

ORANGE

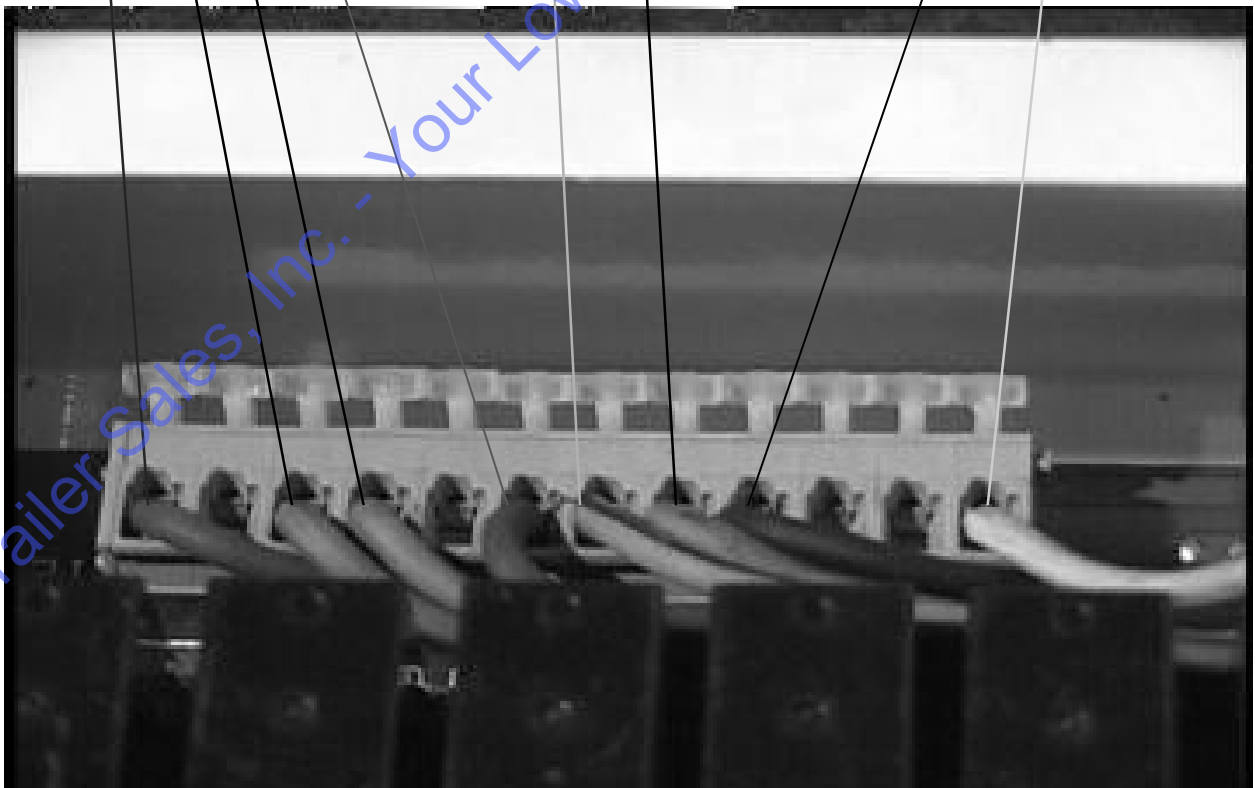
RED

ORANGE / BLACK

GREEN / BLACK

BLACK

WHITE





INSTALL REMOTE BOX IN TOP OF
TOOL BOX



ROUTE WIRING THROUGH FRONT OF
TRAILER



INSTALL ANTENNA CABLE





STRING WIRING ALONG INSIDE OF GOOSENECK FRAME AND ACROSS THE BACK OF GOOSENECK TO HYDRAULIC VALVE COMPARTMENT



DRILL 5/16 HOLE 1" BACK AND CENTERED ON STAKE POCKET ON FRONT OF TRAILER



REMOVE BOLT FROM BASE OF ANTENNA



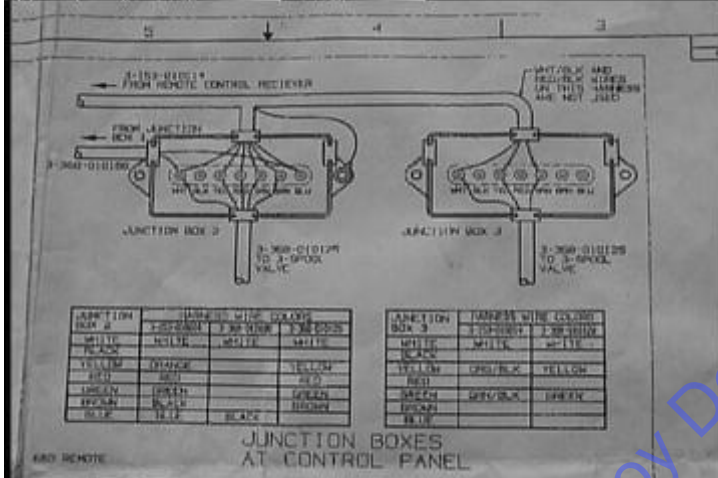
INSERT GROMMET INTO HOLE AND
INSERT ANTENNA



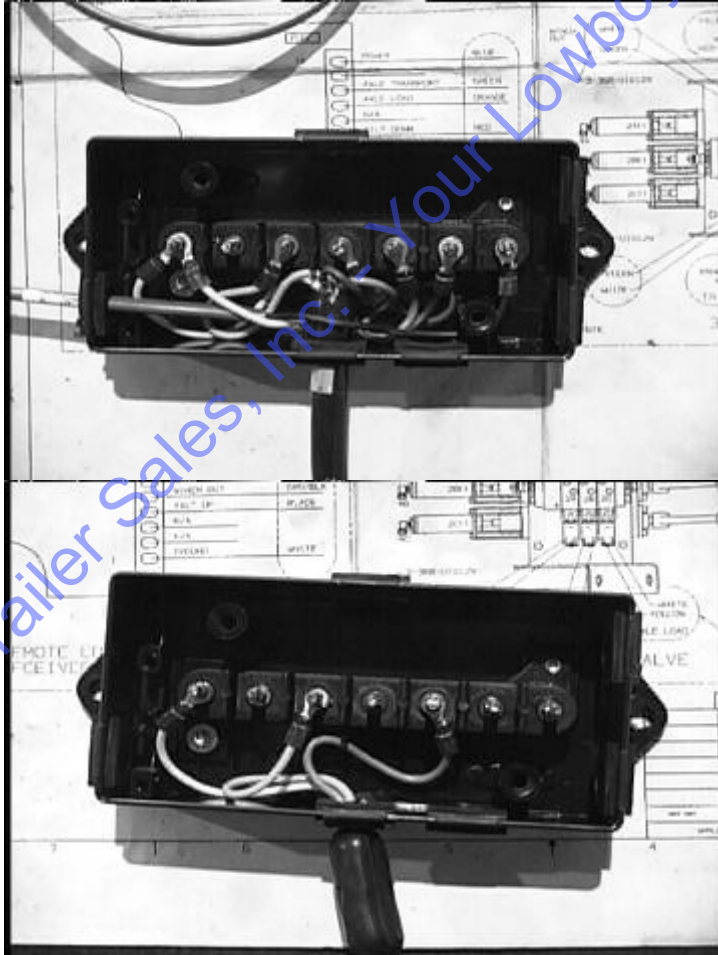
FEED EXCESS WIRE INTO FRONT OF
BUMPER AND PULL IT THROUGH TO
THE OTHER SIDE

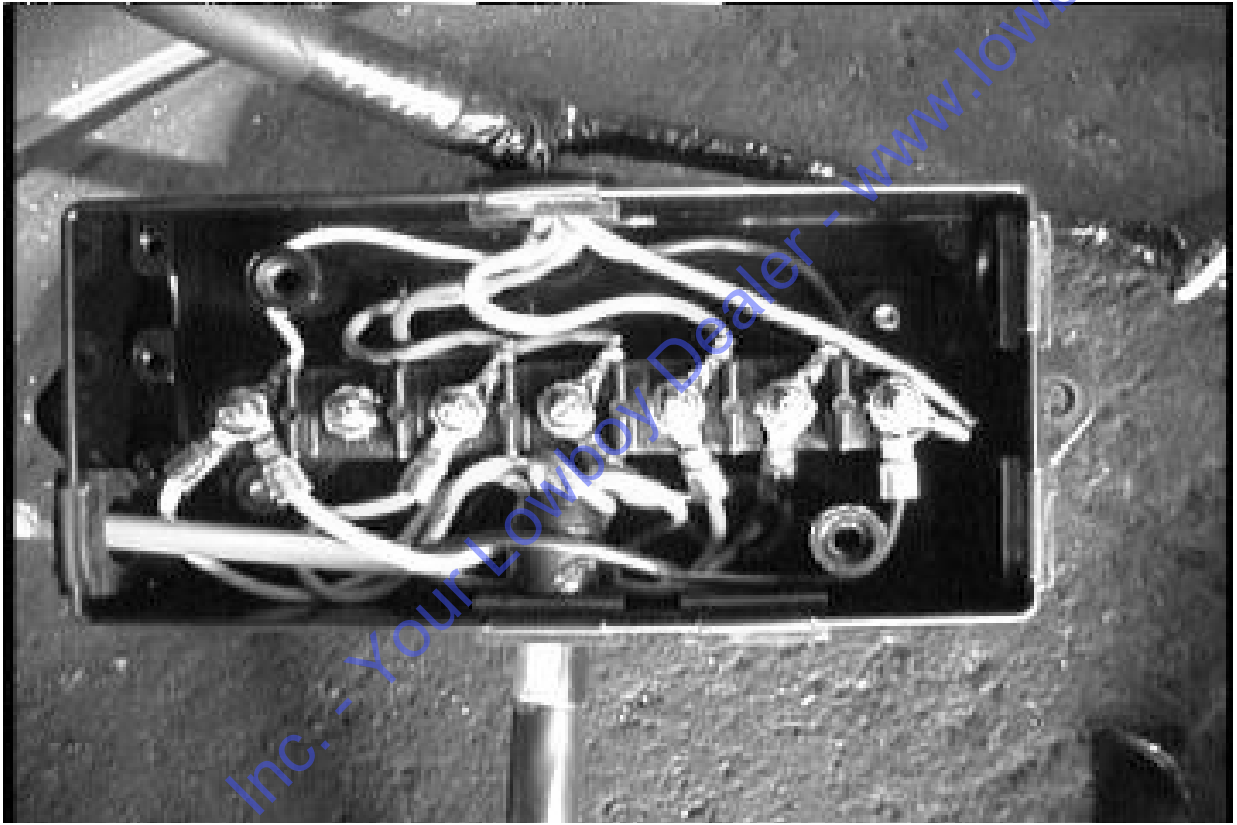


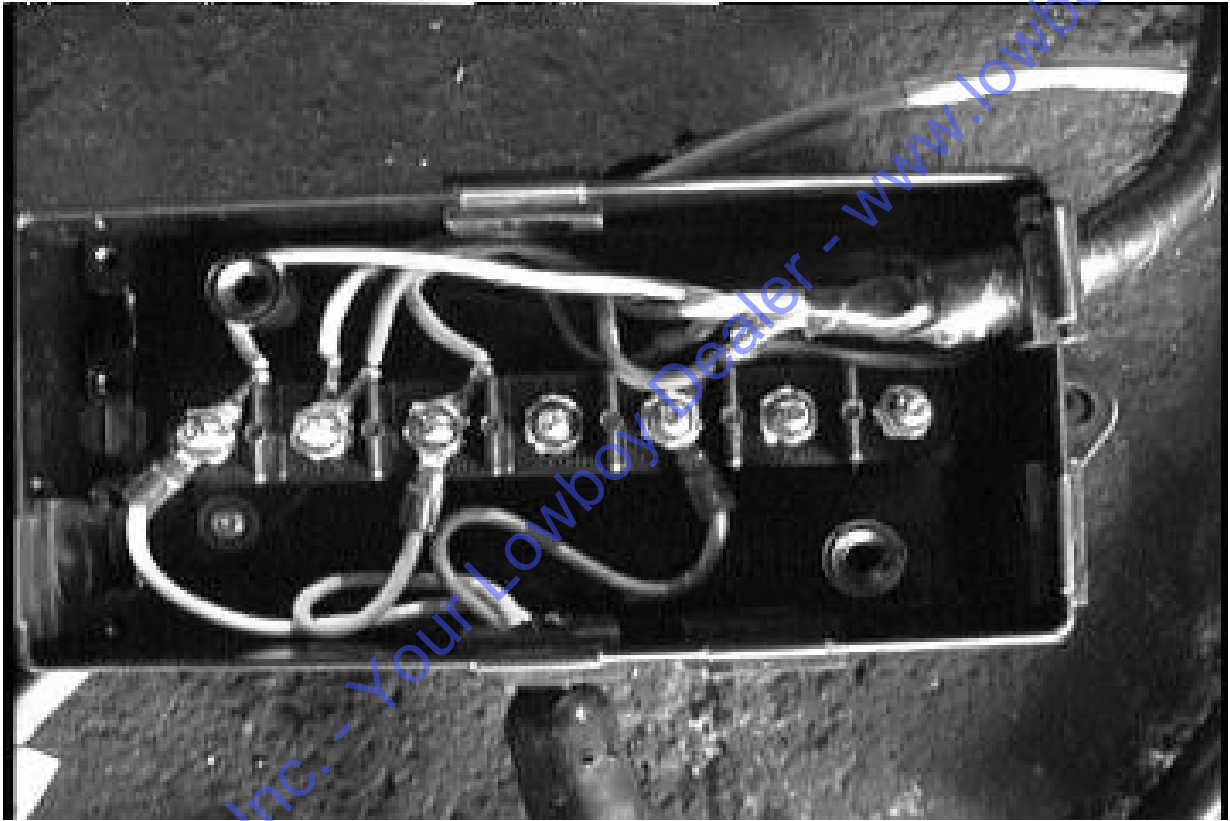
IT IS IMPORTANT THAT YOU DO NOT ROLL UP OR SHORTEN THE ANTENNA CABLE . THIS WILL RESULT IN BAD RECEPTION TO THE CONTROLLER

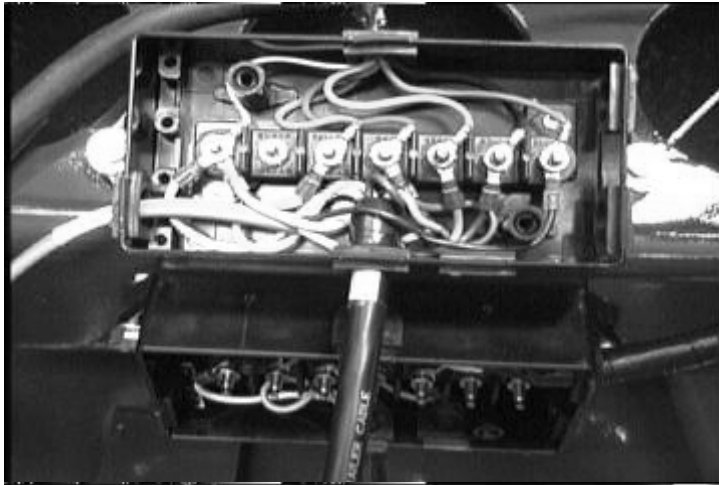


GO TO THE WIRING SCHEMATICS TO WIRE THE TWO CONTROL BOXES

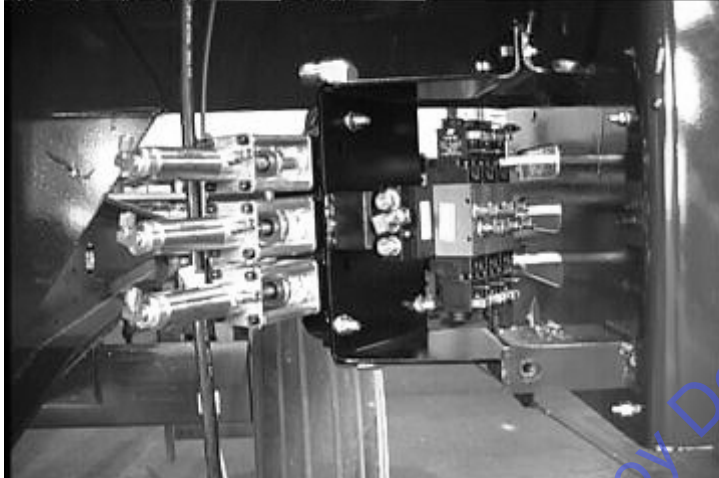




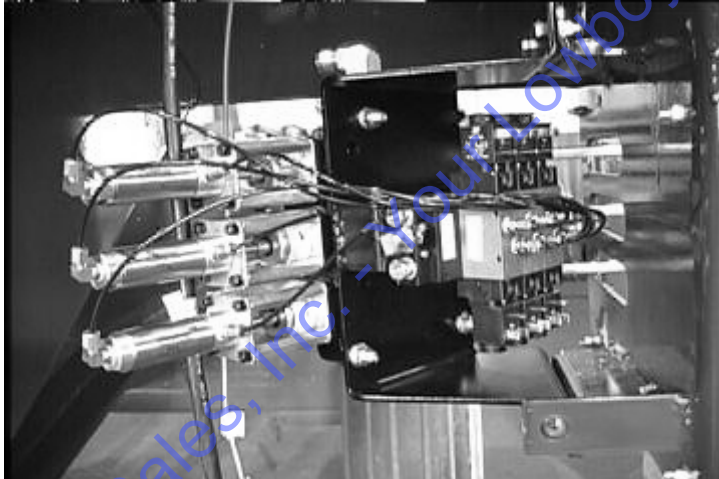




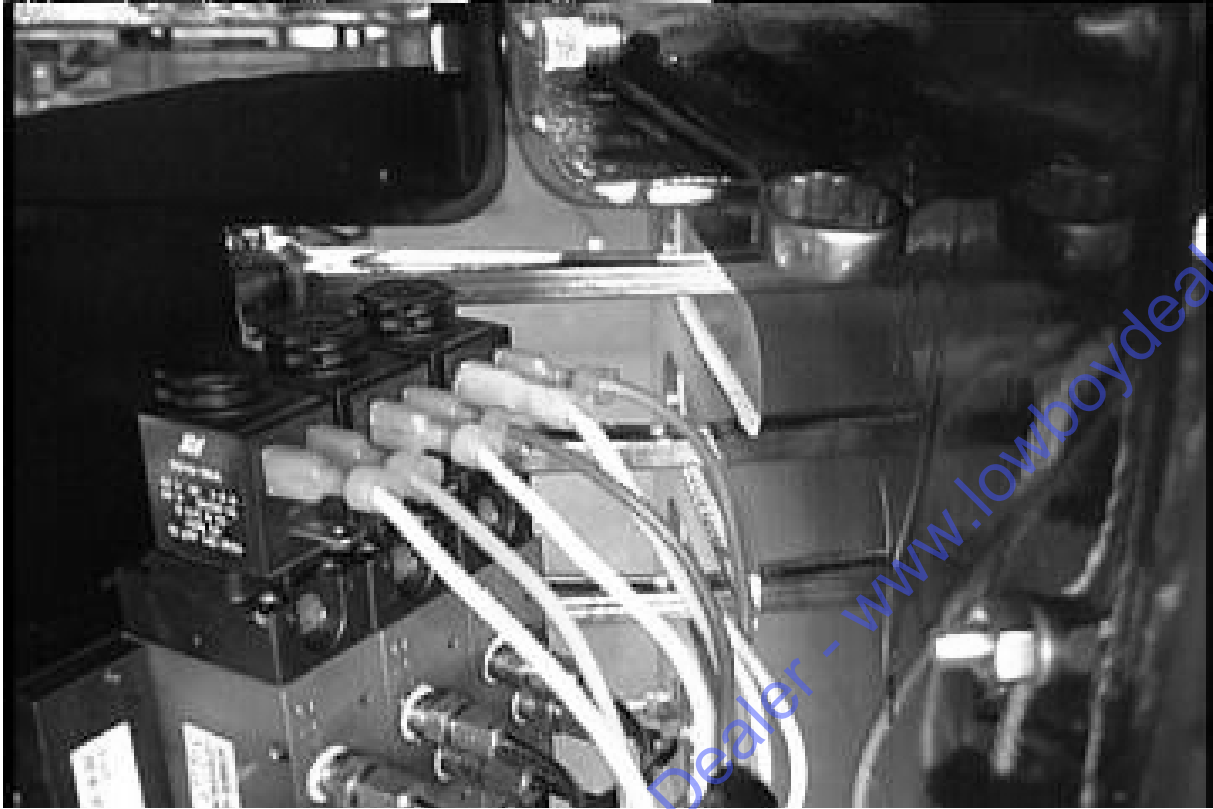
ONCE BOXES ARE WIRED INSTALL
THEM IN ON THE HEADER BEAM IN
VALVE CONTROL COMPARTMENT



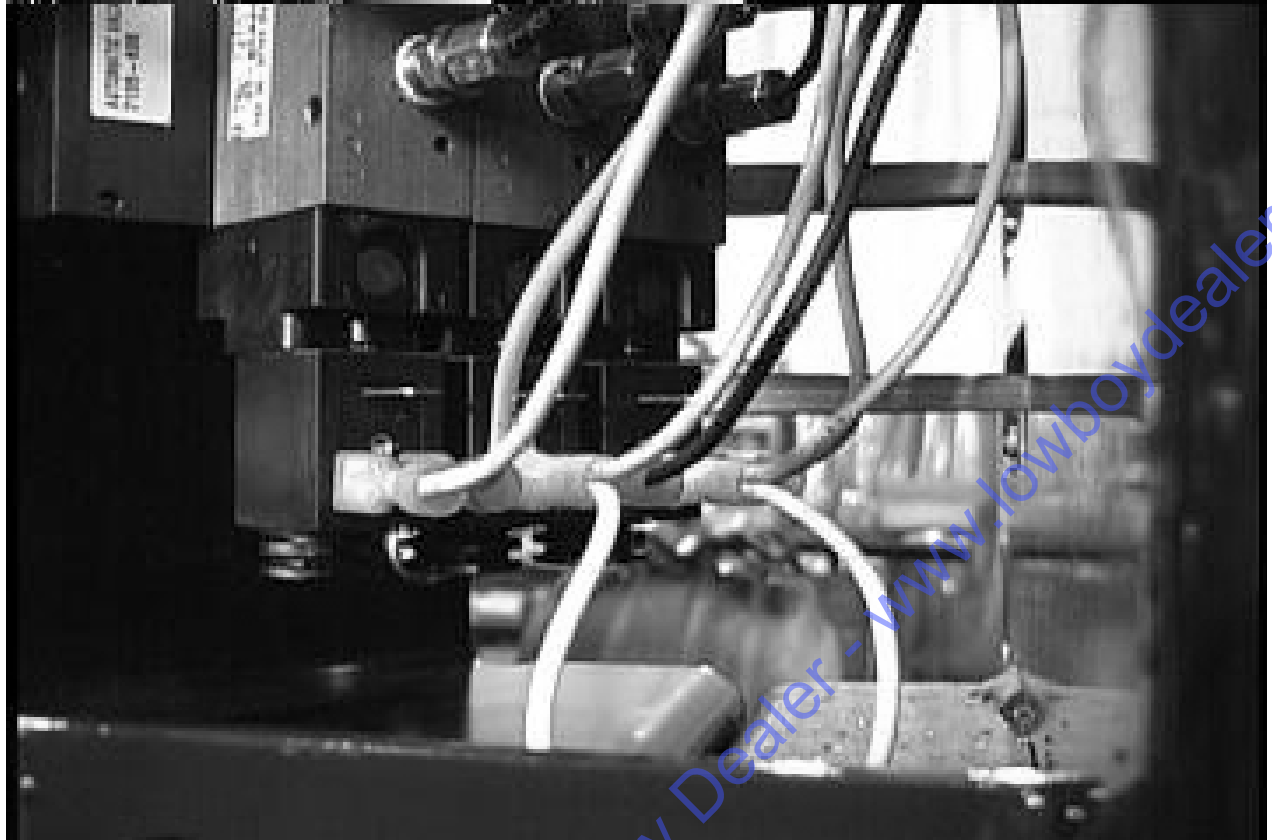
INSTALL VALVE BACK IN TRAILER



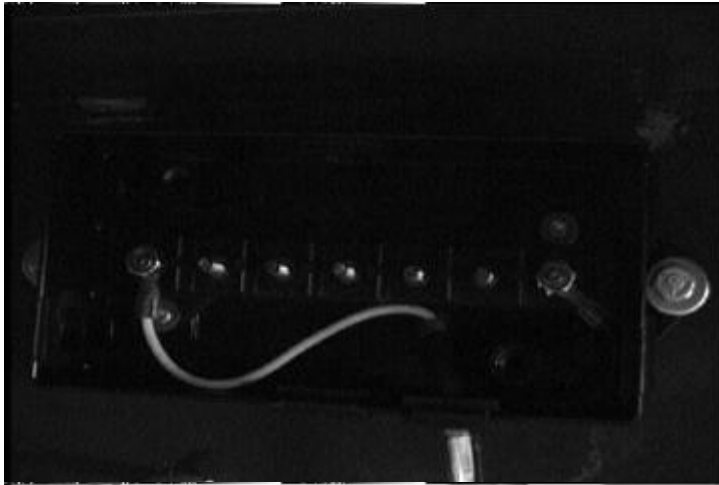
RUN AIR LINES AS LAID OUT ON
PAGE 13



TM Trailer Sales, Inc. - Your Lowboy Dealer - www.lowboydealer.com



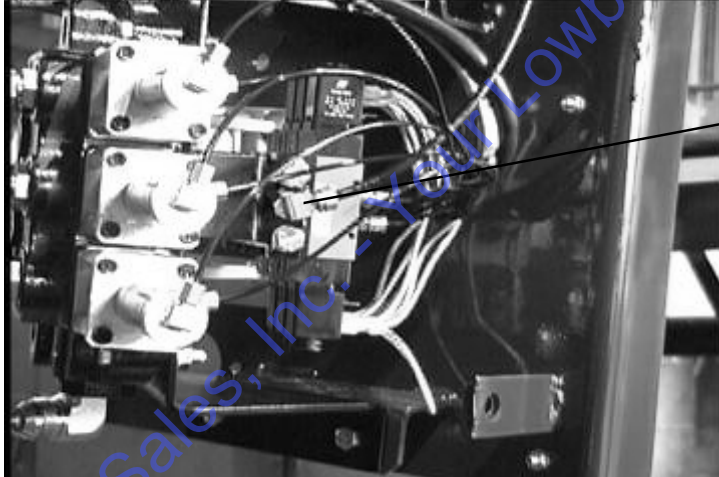
TM Trailer Sales, Inc. - Your Lowboy Dealer - www.lowboydealer.com



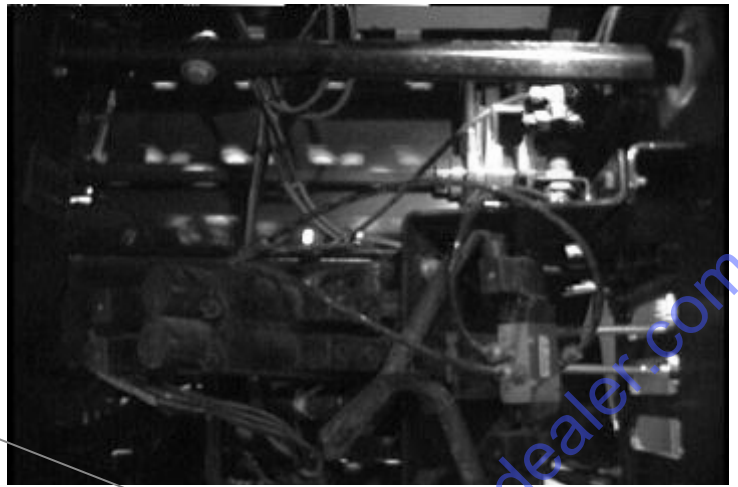
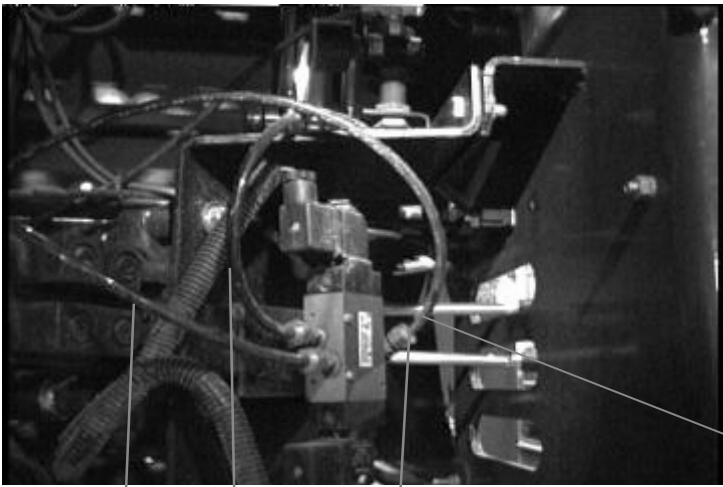
POWER JUNCTION BOX



CONNECT AIR LINE TO REGULATOR
VALVE LOCATED IN FRONT OF
TRAILER



CONNECT AIR LINE TO AIR MANIFOLD



AIR PRESSURE IN

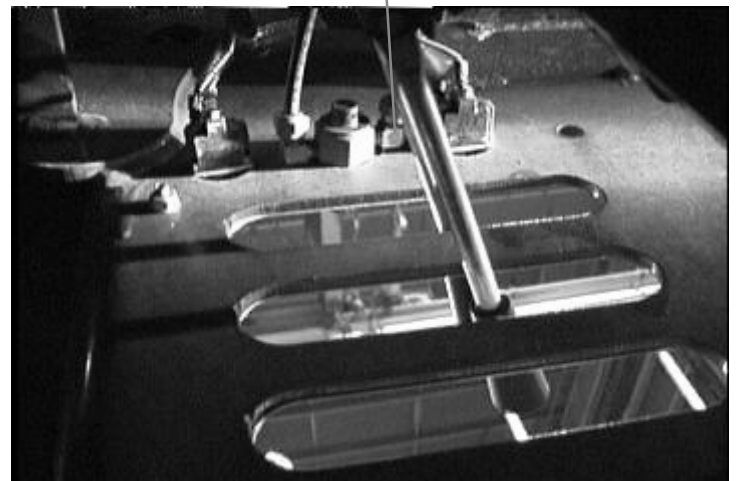
AIR OUT TO
RAMP

AIR OUT TO
BOTTOM OF REG
AIR OUT OF TOP
OF REG TO
DOCK LIFT ARM

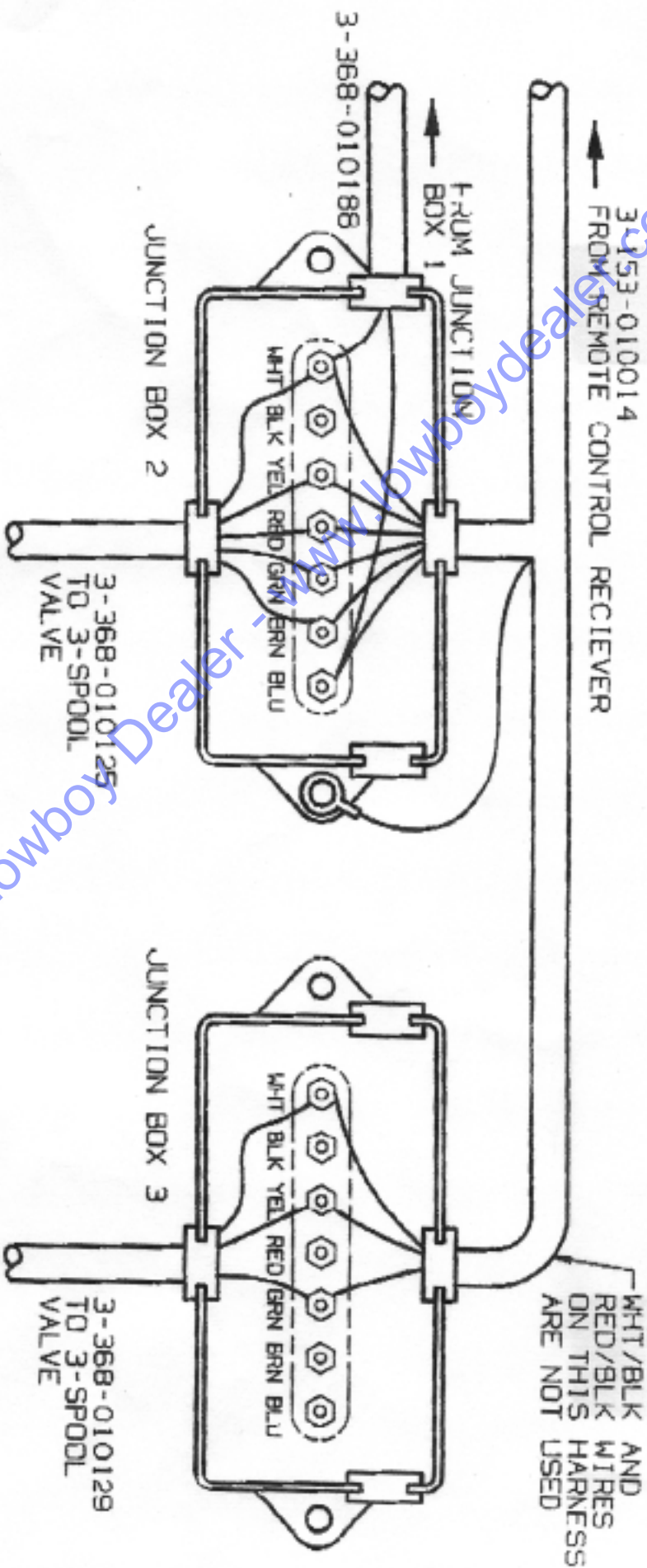


TEE INTO FRONT
LINE ON AIR DUMP
SWITCH

RUN TO PRESSURE IN
ON BLUE SOLENOID



[illegible]



JUNCTION BOX 2	HARNESS WIRE COLORS		
	3-153-010014	3-368-010188	3-368-010125
WHITE	WHITE	WHITE	WHITE
BLACK			
YELLOW	ORANGE		YELLOW
RED	RED		RED
GREEN	GREEN		GREEN
BROWN	BLACK		BROWN
BLUE	BLUE	BLACK	

JUNCTION BOX 2	HARNESS WIRE COLORS		
	3-153-010014	3-368-010129	
WHITE	WHITE	WHITE	
BLACK			
YELLOW	ORG/BLK	YELLOW	
RED			
GREEN	GRN/BLK	GREEN	
BROWN			
BLUE			

660 REMOTE

JUNCTION BOXES
 AT CONTROL PANEL

