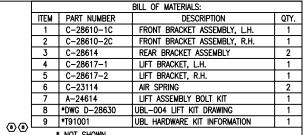


pose for which it has been loaned to

you.



* NOT SHOWN

NOTES

1. 14" RIDE HEIGHT SHOWN. INSTALLATION
1. SAME FOR ALL RIDE HEIGHTS.
2. WEIGHT: 52.39 LB.
INCLUDES: .33 LB FOR ATTACHMENT WELDS.
3. WELDING PARAMETERS:

SETTINGS FOR .045 DIAMETER WIRE STANDARD WIRE - AWS ER-70S-6; .045 DIAMETER OPTIONAL WIRE - AWS ER-70S-3; .045 DIAMETER OPTIONAL WIRE - AWS LET-705-3; .045 L GAS - 86 ARGON 14 CO2 (30-35 CFH) VOLTS - 26 TO 30 WIRE FEED SPEED - 380 TO 420 IPM CURRENT - 275 TO 325 AMPS ELECTRODE EXTENSION: 3/4 TO 1 INCH

SETTINGS FOR .035 DIAMETER WIRE STANDARD WIRE - ER80S-D2; .035 DIAMETER STANDARD WIRE — ERBOS—D2; .035 DIAMETER GAS — 85 ARGON 15 CO2 (35 TO 45 CFH) VOLTS — 25 TO 27.5
WIRE FEED SPEED — 390 TO 425 IPM CURRENT — 160 TO 180 AMPS ELECTRODE EXTENSION: 3/4 TO 1 INCH FILL ALL CRATERS AT END OF WELDS.

4. BRAKE CHAMBERS, IF ALREADY MOUNTED, MUST BE REMOVED BEFORE INSTALLING LIFT KIT.

5. IF FXISTING LATERAL BRACING AT FRONT OF

LIFT KIT.

5. IF EXISTING LATERAL BRACING AT FRONT OF FRAME BRACKETS INTERFERES WITH INSTALLATION OF THE LIFT KIT FRONT BRACKETS, BRACING MUST BE MODIFIED OR REMOVED AND RELOCATED. CONTACT HENDRICKSON TRAILER SUSPENSION SYSTEMS AT 866—RIDEAIR (866—743—3247).

6. IF POSSIBLE, IT IS HIGHLY RECOMMENDED THAT THE LIFT BRACKET WELDING SHOWN ON PAGE 2 BE PERFORMED WITH THE SUSPENSION INVERTED, TO ALLOW THE WELDS TO BE APPLIED IN THE

TO ALLOW THE WELDS TO BE APPLIED IN THE DOWNHAND POSITION.

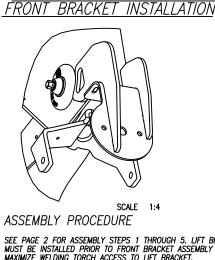
UBL-004

LIFT KIT FOR AANT 23K

7. UBL-004 INTENDED FOR USE WITH CARBON STEEL FRAME BRACKETS ONLY. USE UBL-401 OR UBL-402 FOR STAINLESS STEEL FRAME BRACKETS.

PRODUCTION

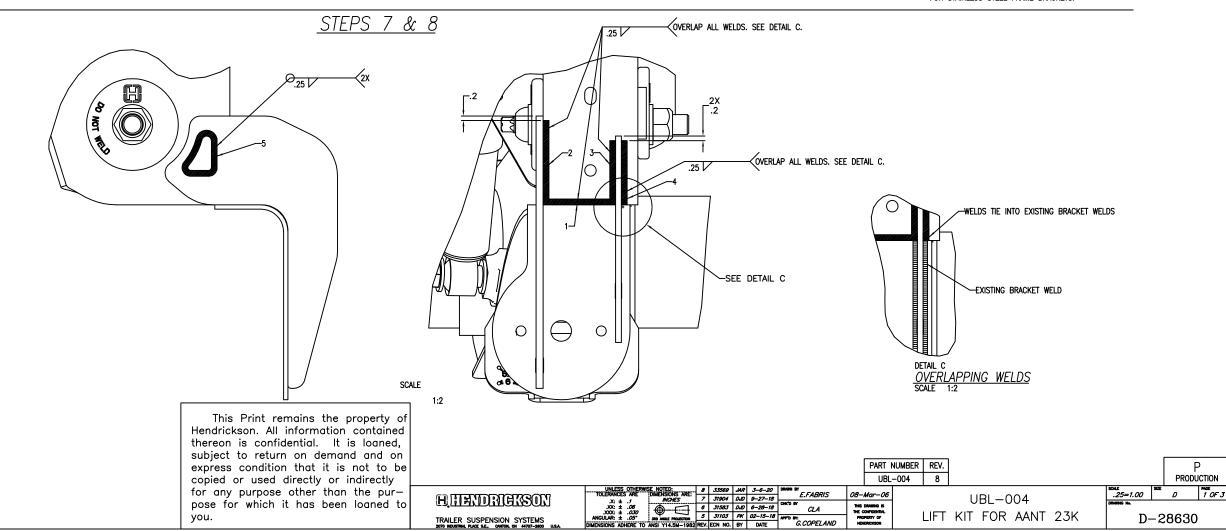
D-28630



SEE PAGE 2 FOR ASSEMBLY STEPS 1 THROUGH 5. LIFT BRACKET MUST BE INSTALLED PRIOR TO FRONT BRACKET ASSEMBLY TO MAXIMIZE WELDING TORCH ACCESS TO LIFT BRACKET.

*UBL CANNOT BE INSTALLED WITH SUSPENSION ASSEMBLED TO FRAME BRACKET (UNITIZED), AS EXCESSIVE WELDING HEAT WILL DAMAGE THE PIVOT BUSHING. SUSPENSION MUST BE DISASSEMBLED FROM FRAME BRACKETS BEFORE WELDING.

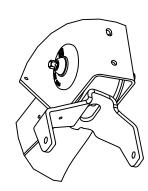
- 6. PREPARING THE FRAME BRACKET SURFACES.
 REMOVE PAINT FROM ALL AREAS OF FRAME BRACKET TO BE WELDED
 7. POSITIONING THE FRONT BRACKET ASSEMBLY.
 LOCATE THE FRONT BRACKET ASSEMBLY AGAINST THE FRAME
 BRACKET, AS SHOWN. TACK INTO PLACE.
 8. WELDING THE FRONT BRACKET ASSEMBLY.
 PLACE WELDS IN THE INDICATED SEQUENCE, STARTING WITH
 THE HORIZONTAL FRONT WELD, AND ENDING WITH THE SLOT
 WELD ON THE INBOARD SIDE OF THE HANGER.
 9. ASSEMBLY OF REMAINING COMPONENTS.
 ALIGN THE MOUNTING HOLES OF THE REAR BRACKET ASSEMBLY
 WITH THE LIFT BRACKET HOLES AND INSERT THE TWO
 1/2-13 x 1.25 BOLTS AND NUTS. TIGHTEN TO THE VALUE CALLED
 OUT IN THE TORQUE SPECIFICATIONS CHART. ASSEMBLE THE AIR
 SPRING WITH THE AIR INLET FACING TO THE FRONT OR REAR,
 DEERNOING ON AIR LINE ORIENTATION PREFERENCE. TIGHTEN
 THE 3/4-16 FLANGE NUT AND 3/8-16 x .88 BOLTS TO SPECIFIED



HIENDRICKSON

TRAILER SUSPENSION SYSTEMS

LIFT BRACKET INSTALLATION



ASSEMBLY PROCEDURE

*UBL CANNOT BE INSTALLED WITH SUSPENSION ASSEMBLED TO FRAME BRACKET (UNITIZED), AS EXCESSIVE WELDING HEAT WILL DAMAGE THE PIVOT BUSHING. SUSPENSION MUST BE DISASSEMBLED FROM FRAME BRACKETS BEFORE WELDING.

- BRACKETS BEFORE WELDING.

 1. PREPARING THE BEAM SURFACE.
 REMOVE PAINT FROM UNDERSIDE OF TRAILING ARM BEAM AS INDICATED BY THE SHADED AREA.

 2. MARKING THE CENTERLINE.
 MARK OR SCRIBE A LINE THROUGH THE CENTER OF THE SMALL OVAL SLOT ON THE UNDERSIDE OF THE TRAILING ARM BEAM, AS SHOWN.
 THE LINE SHOULD BE AT LEAST 5 INCHES IN LENGTH AND PARALLEL TO THE OUTBOARD SIDE OF THE BEAM.

 3. POSITIONING THE LIFT BRACKET.
 LOCATE LIFT BRACKET (ITEM 4 L.H., ITEM 5 R.H.) TO UNDERSIDE OF BEAM, ALIGNING TAB AT REAR OF LIFT BRACKET TO MARKED LINE, AND FRONT OF THE BRACKET SLOT IS PARALLEL TO MARKED LINE, AND FRONT OF THE BRACKET SLOT LINES UP WITH THE FRONT OF THE BEAM SLOT. TACK INTO PLACE.

 4. FILLING THE SMALL SLOT.
 PRIOR TO MAKING THE 3-PASS WELD, COMPLETELY FILL THE SMALL SLOT ON THE UNDERSIDE OF THE BEAM.

 5. WELDING THE LIFT BRACKET.
 COMPLETE ATTACHMENT OF LIFT BRACKET BY WELDING THE LARGE OVAL SLOT IN THE BRACKET TO THE BEAM. THIS IS A 3-PASS WELD. ALL THREE PASSES MUST BE UNINTERUPTED AROUND THE FRONT OF THE SLOT, AS INDICATED IN "STEP 5" ILLUSTRATION. NO WELDING IS REQUIRED OUTSIDE OF THE SLOT AREA.

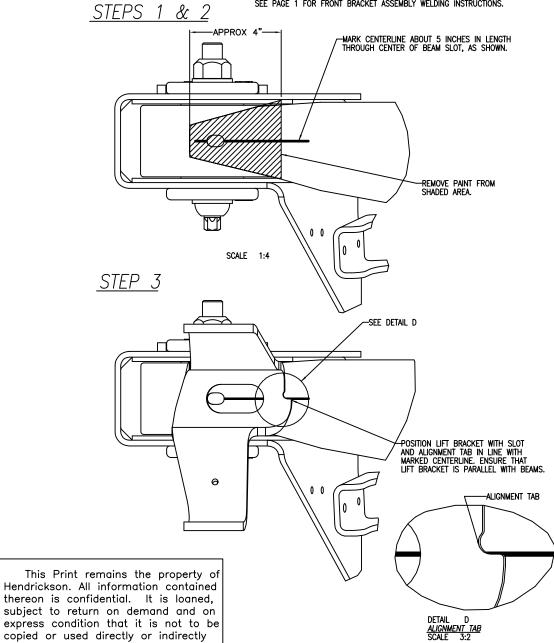
 SEF PAGE 1 FOR FRONT BRACKET ASSEMBLY WELDING INSTRUCTIONS

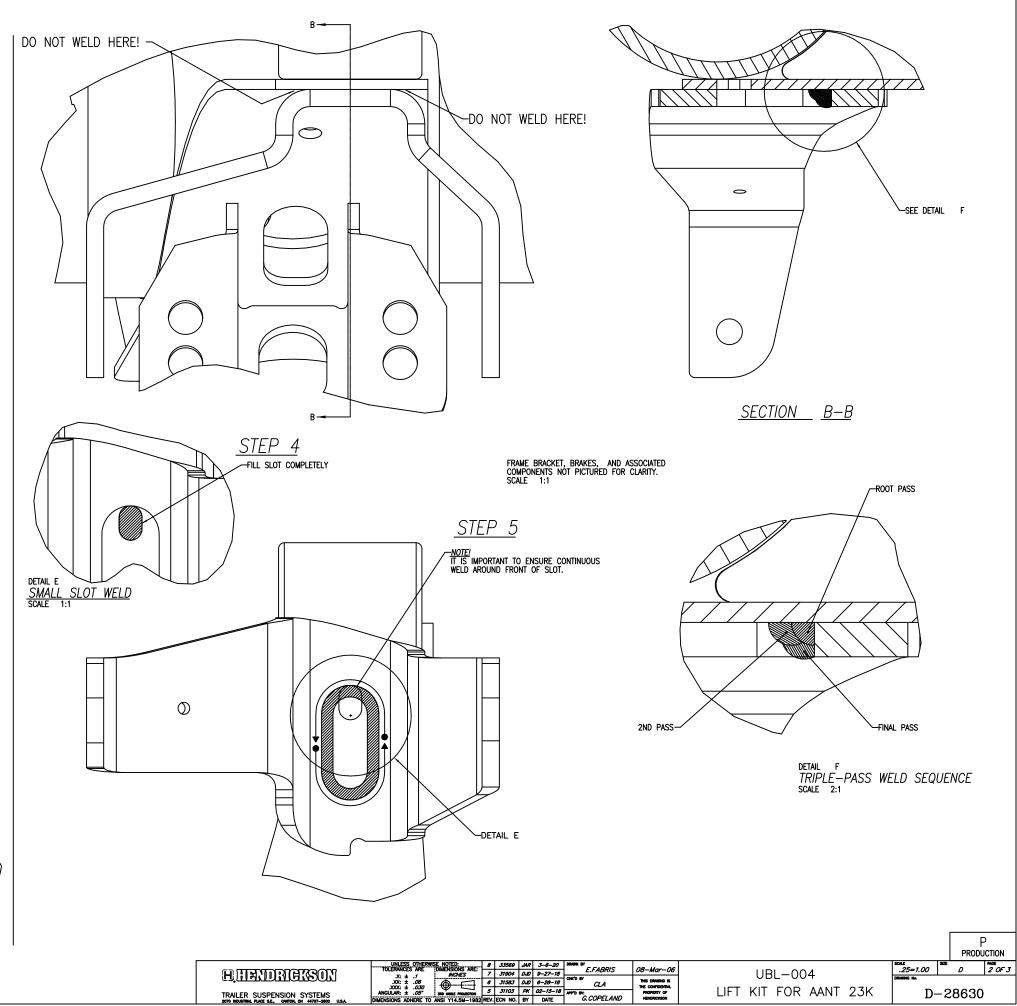
for any purpose other than the pur-

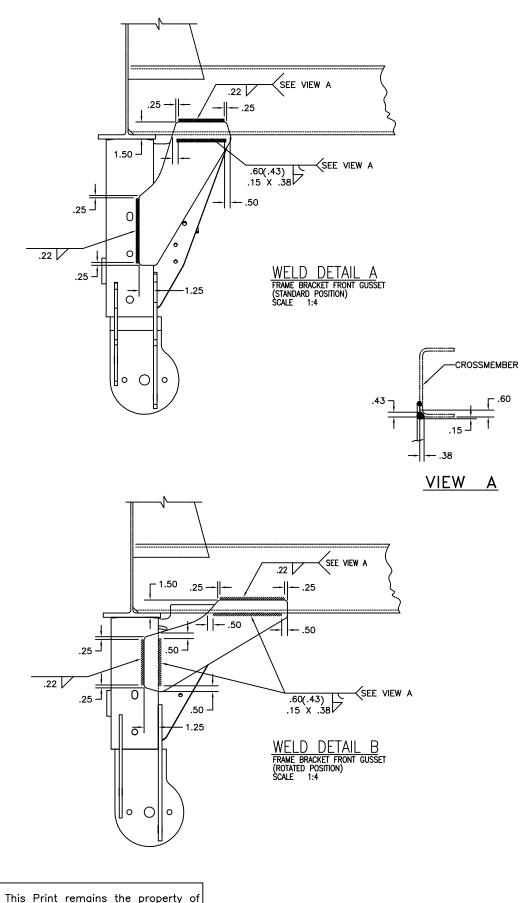
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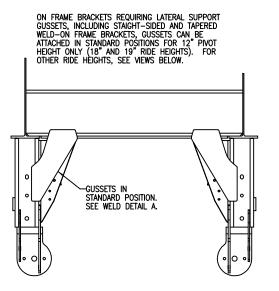
you.

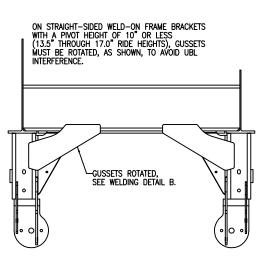
SEE PAGE 1 FOR FRONT BRACKET ASSEMBLY WELDING INSTRUCTIONS.

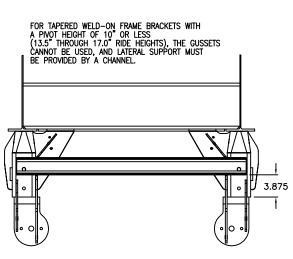












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HILLINDRICKSON TRAILER SUSPENSION SYSTEMS

UNLESS OTHERWISE NOTED:

**TOLERANCES* ARE | DIMENSIONS ARE: | 7 | 37904 | 0.0 | 9-27-18 |

**SC ± .06 | 0 | 1.952 | 0.0 | 6-20-16 |

**SC ± .06 | 0 | 1.952 | 0.0 | 6-20-16 |

**SC ± .07 | 0 | 0.0 | 0.0 | 0.0 |

**ST | 0.0 T.GEE 08-14-07

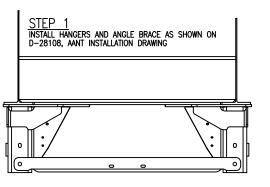
CERTAIN UBL APPLICATIONS MAY REQUIRE ALTERNATIVE FRAME BRACKET BRACING, DEPENDING ON FRAME HEIGHT AND STYLE.

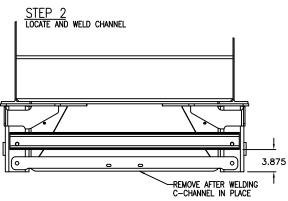
FOR BOLT-ON SUSPENSIONS THAT REQUIRE A BRACING ANGLE OR CHANNEL:

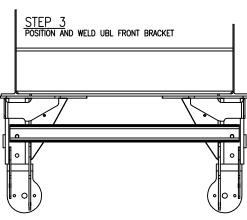
- 1. FOLLOW PROCEDURE FOR INSTALLING FRAME BRACKETS AS OUTLINED IN THE INSTALLATION SEQUENCE, UNDER BRACING ANGLE INSTALLATION ON PAGE 2 OF D-28108, AANT INSTALLATION DRAWING, LEAVING THE BRACING
- 2. WITH BRACING ANGLE IN PLACE, LOCATE C-CHANNEL AS SHOWN IN STEP 2. WELD C-CHANNEL IN PLACE AND REMOVE BRACING ANGLE.
- 3. INSTALL UBL FRONT BRACKET AS SHOWN.

FOR WELD-ON SUSPENSIONS THAT REQUIRE A FRONT GUSSET:

BEFORE INSTALLING FRONT GUSSETS, DETERMINE WHETHER THE UBL FRONT BRACKET WILL INTERFERE WITH THE RECOMMENDED FRONT GUSSET. SOME APPLICATIONS REQUIRE THE FRONT GUSSETS TO BE ROTATED TO PROVIDE CLEARANCE TO THE UBL BRACKET. IN CASES WHERE THERE IS INSUFFICIENT SPACE FOR A ROTATED GUSSET, A CHANNEL BRACE MUST USED. SEE ILLUSTRATIONS.







PRODUCTION .25=1.00 SEE D PAGE 3 OF 3

UBL-004 LIFT KIT FOR AANT 23K

D-28630