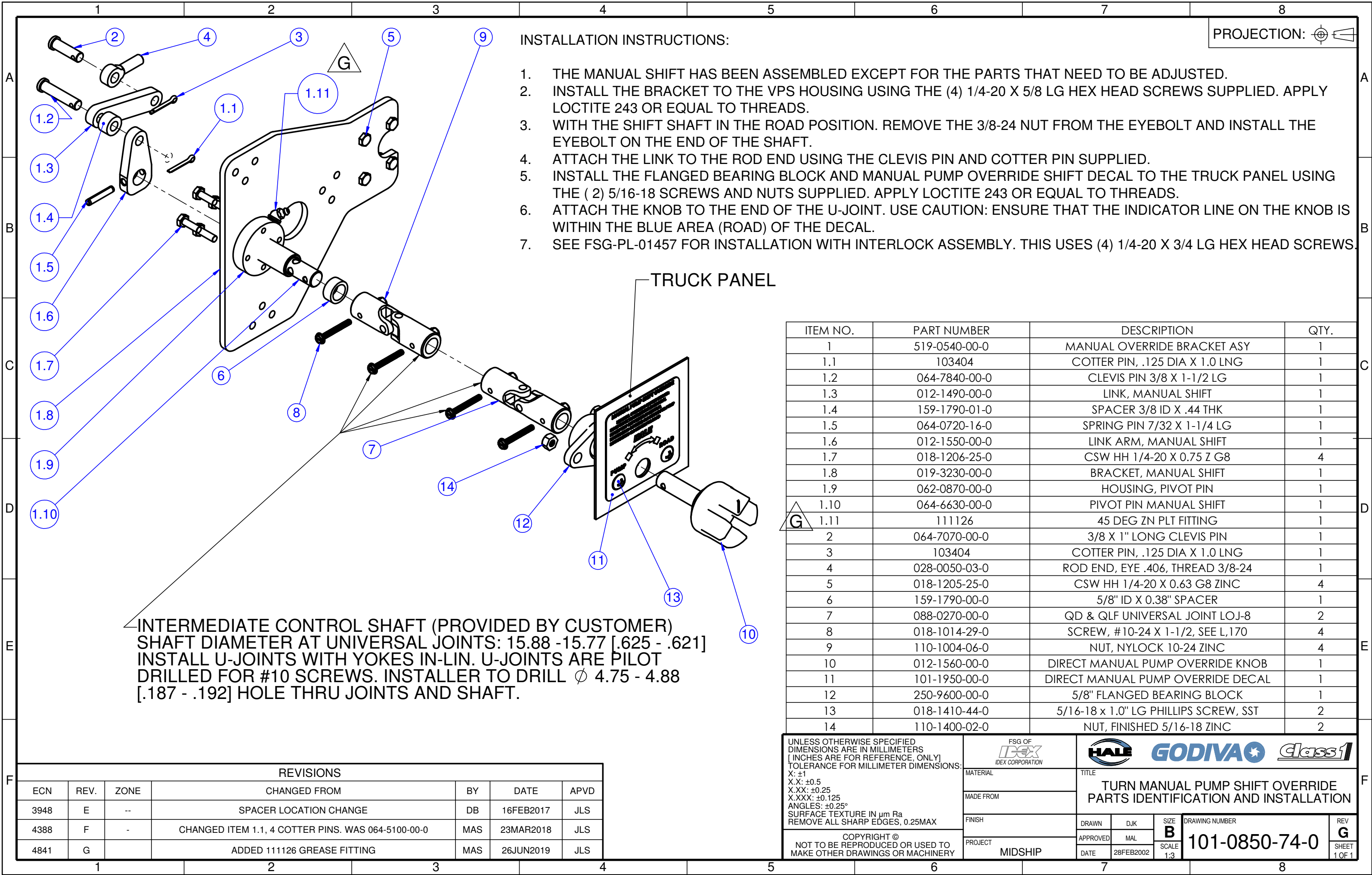




INSTALLATION INSTRUCTIONS:

1. THE MANUAL SHIFT HAS BEEN ASSEMBLED EXCEPT FOR THE PARTS THAT NEED TO BE ADJUSTED.
2. INSTALL THE BRACKET TO THE VPS HOUSING USING THE (4) 1/4-20 X 5/8 LG HEX HEAD SCREWS SUPPLIED. APPLY LOCTITE 243 OR EQUAL TO THREADS.
3. WITH THE SHIFT SHAFT IN THE ROAD POSITION. REMOVE THE 3/8-24 NUT FROM THE EYEBOLT AND INSTALL THE EYEBOLT ON THE END OF THE SHAFT.
4. ATTACH THE LINK TO THE ROD END USING THE CLEVIS PIN AND COTTER PIN SUPPLIED.
5. INSTALL THE FLANGED BEARING BLOCK AND MANUAL PUMP OVERRIDE SHIFT DECAL TO THE TRUCK PANEL USING THE (2) 5/16-18 SCREWS AND NUTS SUPPLIED. APPLY LOCTITE 243 OR EQUAL TO THREADS.
6. ATTACH THE KNOB TO THE END OF THE U-JOINT. USE CAUTION: ENSURE THAT THE INDICATOR LINE ON THE KNOB IS WITHIN THE BLUE AREA (ROAD) OF THE DECAL.
7. SEE FSG-PL-01457 FOR INSTALLATION WITH INTERLOCK ASSEMBLY. THIS USES (4) 1/4-20 X 3/4 LG HEX HEAD SCREWS.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	519-0540-00-0	MANUAL OVERRIDE BRACKET ASY	1
1.1	103404	COTTER PIN, .125 DIA X 1.0 LNG	1
1.2	064-7840-00-0	CLEVIS PIN 3/8 X 1-1/2 LG	1
1.3	012-1490-00-0	LINK, MANUAL SHIFT	1
1.4	159-1790-01-0	SPACER 3/8 ID X .44 THK	1
1.5	064-0720-16-0	SPRING PIN 7/32 X 1-1/4 LG	1
1.6	012-1550-00-0	LINK ARM, MANUAL SHIFT	1
1.7	018-1206-25-0	CSW HH 1/4-20 X 0.75 Z G8	4
1.8	019-3230-00-0	BRACKET, MANUAL SHIFT	1
1.9	062-0870-00-0	HOUSING, PIVOT PIN	1
1.10	064-6630-00-0	PIVOT PIN MANUAL SHIFT	1
1.11	111126	45 DEG ZN PLT FITTING	1
2	064-7070-00-0	3/8 X 1" LONG CLEVIS PIN	1
3	103404	COTTER PIN, .125 DIA X 1.0 LNG	1
4	028-0050-03-0	ROD END, EYE .406, THREAD 3/8-24	1
5	018-1205-25-0	CSW HH 1/4-20 X 0.63 G8 ZINC	4
6	159-1790-00-0	5/8" ID X 0.38" SPACER	1
7	088-0270-00-0	QD & QLF UNIVERSAL JOINT LOJ-8	2
8	018-1014-29-0	SCREW, #10-24 X 1-1/2, SEE L,170	4
9	110-1004-06-0	NUT, NYLOCK 10-24 ZINC	4
10	012-1560-00-0	DIRECT MANUAL PUMP OVERRIDE KNOB	1
11	101-1950-00-0	DIRECT MANUAL PUMP OVERRIDE DECAL	1
12	250-9600-00-0	5/8" FLANGED BEARING BLOCK	1
13	018-1410-44-0	5/16-18 x 1.0" LG PHILLIPS SCREW, SST	2
14	110-1400-02-0	NUT, FINISHED 5/16-18 ZINC	2

INTERMEDIATE CONTROL SHAFT (PROVIDED BY CUSTOMER)
SHAFT DIAMETER AT UNIVERSAL JOINTS: 15.88 - 15.77 [.625 - .621]
INSTALL U-JOINTS WITH YOKES IN-LIN. U-JOINTS ARE PILOT
DRILLED FOR #10 SCREWS. INSTALLER TO DRILL Ø 4.75 - 4.88
[.187 - .192] HOLE THRU JOINTS AND SHAFT.

REVISIONS						
ECN	REV.	ZONE	CHANGED FROM	BY	DATE	APVD
3948	E	--	SPACER LOCATION CHANGE	DB	16FEB2017	JLS
4388	F	-	CHANGED ITEM 1.1, 4 COTTER PINS. WAS 064-5100-00-0	MAS	23MAR2018	JLS
4841	G		ADDED 111126 GREASE FITTING	MAS	26JUN2019	JLS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
[INCHES ARE FOR REFERENCE, ONLY]
TOLERANCE FOR MILLIMETER DIMENSIONS:
X: ±1
X.X: ±0.5
X.XX: ±0.25
X.XXX: ±0.125
ANGLES: ±0.25°
SURFACE TEXTURE IN µm Ra
REMOVE ALL SHARP EDGES, 0.25MAX
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MAKE OTHER DRAWINGS OR MACHINERY

FSG OF
IDEX CORPORATION

MATERIAL

MADE FROM

FINISH

PROJECT
MIDSHIP

HALE
GODIVA
class1

TITLE
TURN MANUAL PUMP SHIFT OVERRIDE
PARTS IDENTIFICATION AND INSTALLATION

DRAWN
DJK

APPROVED
MAL

DATE
28FEB2002

SIZE
B

SCALE
1:3

DRAWING NUMBER
101-0850-74-0

REV
G

SHEET
1 OF 1