

INSTALLATION - SERVICE INSTRUCTIONS



Bulletin NO. 0113

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March
2020

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www.markwilliams.com

Part Numbers:

39371Drive shaft Assembly, Powerglide 27 spline CV joint to 9" Differential

39372Drive shaft Assembly, Powerglide 32 spline CV joint to 9" Differential.

Parts Included:

See Parts list, Sheet of This bulletin

Primary Applications:

Drag Racing applications. Dragsters with Powerglide Transmission and 9" Ford type differentials. 27 and 32 splined transmission output shaft.

Installation Overview:

- 1) *The CV Output housing assembly is bolted to the case with the CV splined flange installed as an assembly. The square-sealing ring is installed in the transmission-receiving groove and the output housing should be flush with the transmission case without forcing. Make. Make sure the transmission output shaft is not bottoming on the aluminum plug that seals the internal spline. If using a stock or early Reid Transmission case that utilizes the reverse port for an internal brake, the reverse port must be plugged. A gasket can be used between the CV Housing and case to block the port. There is approximately .020" clearance for the gasket. If using the gasket to block the reverse pressure port make sure there is about - .002-.005" crush on the by checking the gap between the housing and transmission with a feeler gauge*
- 2) *The shaft comes pre-assembled to the CV joints with lubrication installed. The tie wraps are temporarily used to keep the cup and boot seal from losing grease. Remove before installing. Torque the six 10mm fasteners on the CV Joint to 50 ft/lbs.*

Maintenance Installation Requirements:

Check torque on CV joints periodically to 50 ft lbs. Check boots for grease leakage and deterioration. The metal flange that the boots are bonded to must not be deformed. Damage to this part is an indication of improper engine-transmission to differential alignment or excessive suspension travel. It is important to limit the suspension travel to prevent an excess angular operating angle of the CV Joints. Never place stands under the chassis letting the rear hang to warm up the car. This can result in damaging the CV Joints and the grease containment boots. CHECK THE OPERATING ANGLES OF THE CV JOINTS BY REMOVING THE SUSPENSION SPRINGS AND MOVING THE AXLE THROUGH TRAVEL LIMITS. If the CV Boot is being forced into the Boots metal housing you must realign, or limit the suspension travel to eliminate this interference.

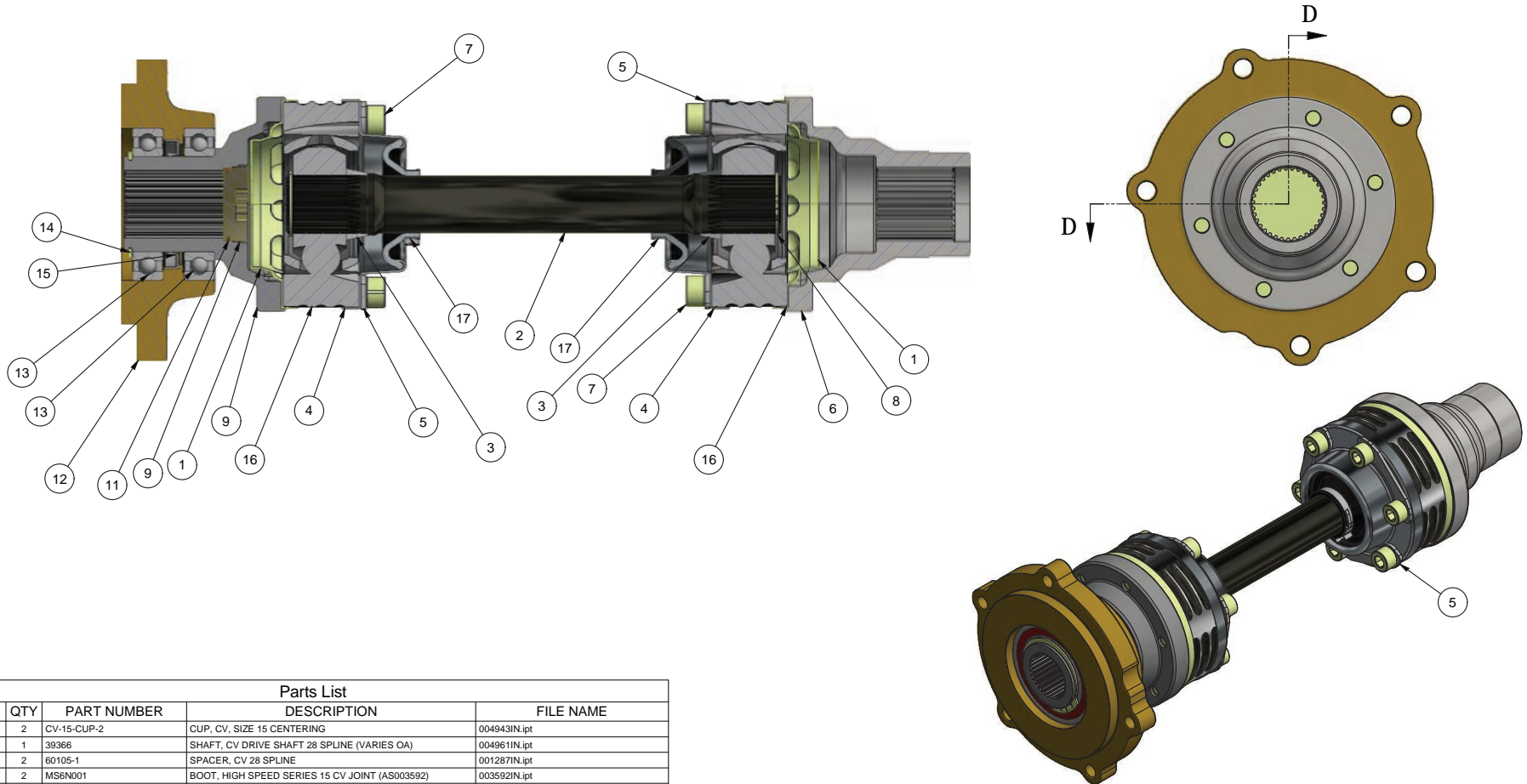
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PARTS IDENTIFICATION



Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	FILE NAME
1	2	CV-15-CUP-2	CUP, CV, SIZE 15 CENTERING	004943IN.ipt
2	1	39366	SHAFT, CV DRIVE SHAFT 28 SPLINE (VARIES OA)	004961IN.ipt
3	2	60105-1	SPACER, CV 28 SPLINE	001287IN.ipt
4	2	MS6N001	BOOT, HIGH SPEED SERIES 15 CV JOINT (AS003592)	003592IN.ipt
5	6	300526-3	CV BOOT WASHER STRAP	004962IN.ipt
6	1	39331/39340	CV FLANGE SERIES 15 TO 35 OR 28 SPLINE 9"	004737IN.ipt
7	12	216.10.55.1.50B	BLUE PLATED SOCKET HEAD M10-1.5 X 55mm	216.10.55.1.50B.ipt
8	2	SH118	RETAINING RING EXTERNAL 1-3/16	SH-118.ipt
9	1	39334/39331	FLANGE, CV T-400 32 SPLINE OR 27T GLIDE 32 SPLINE	004950IN.ipt
10	1	39365-3	PLUG, ADJUSTER T-400 CV 1-5/8	004950IN-4.ipt
11	1	-028-V	O-RING VITON	-028 O-RING INST.ipt
12	1	39365-1	HOUSING, POWERGLIDE CV OUTPUT	004950IN-5.ipt
13	2	6010	BEARING, BALL SEALED	6010-2Z.ipt
14	1	SH196	RETAINING RING, EXTERNAL 1.968 DIA SHAFT	SH196.ipt
15	1	50X68X8	SEAL CR 50mm X 68mm X 8mm	50x68x8 CRW1 R.ipt
16	2	CV-15-28-75-28M	JOINT CV, 15 SERIES 28 3/4 PLUNG MODIFIED	CV-15-28-75-28.IPT
17	2	SP-22-24	CLAMP, BOOT 22-24 MM	SP-22-24 INSTALED.ipt

39371 27 SPLINE GLIDE WITH 300M SHAFT 28 OR 35 SPLINE PINION FLANGE

39372 32 SPLINE GLIDE WITH 300M SHAFT 28 OR 35 SPLINE PINION FLANGE

SHEET 1 OF 1

MATERIAL	HEAT TREAT		PROTECTIVE FINISH	
Z:\InventorFiles\Assembly_Files\AS004992IN.ipt				
STOCK INFORMATION		MACHINING TOLERANCES		
BAR LENGTH	WEIGHT	.XX	.XXX	.XXXX X
WELDS PER BAR		.015	.005	.0005 1/2
GROSS WEIGHT (PART)		SURFACE FINISH UNLESS NOTED VISE		
765 SOUTH PIERCE AVE, LOUISVILLE, CO 80027				
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AS004992IN.idw				
DRIVE SHAFT ASSEMBLY GLIDE-9" FORD REAR				
<small>DATE: 03/12/2020 03:34 PM</small>				

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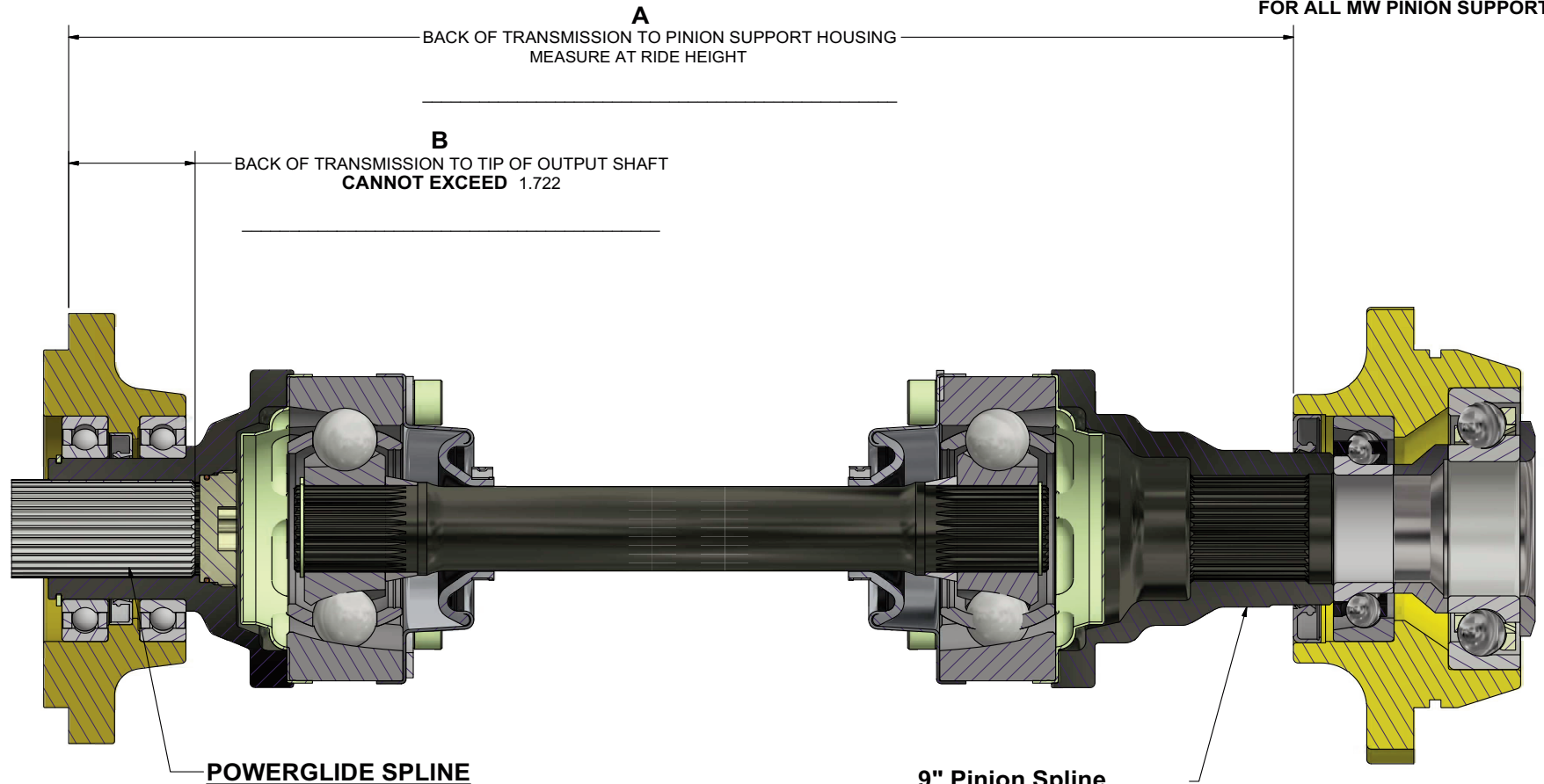
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DIMENSION SHEET FOR ORDERING

MEASUREMENTS ACCURATE
FOR ALL MW PINION SUPPORTS



- [] 27 Spline 39371
- [] 32 Spline 39372

- [] 28 Spline P/N 39340
- [] 35 Spline P/N 39331

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AS004950IN(ILL).DWG CUSTOMERS SHEET 1

CV DRIVESHAFT MEASUREMENTS			
TITLE	CAD NO.	PART NUMBER	CHANGE
SAVED DATE 04/24/2020 04:51 PM	AS004950IN(ILL).iam	39371-39372	
			765 SOUTH PIERCE AVE, LOUISVILLE, CO 80027