



DRAGON CLAW
06-UP CHALLENGER/CHARGER 10 SPLINE

***This Kit Requires a Min. 1 5/8 in. Working Input Shaft Splines.**

***Professional Installation recommended**

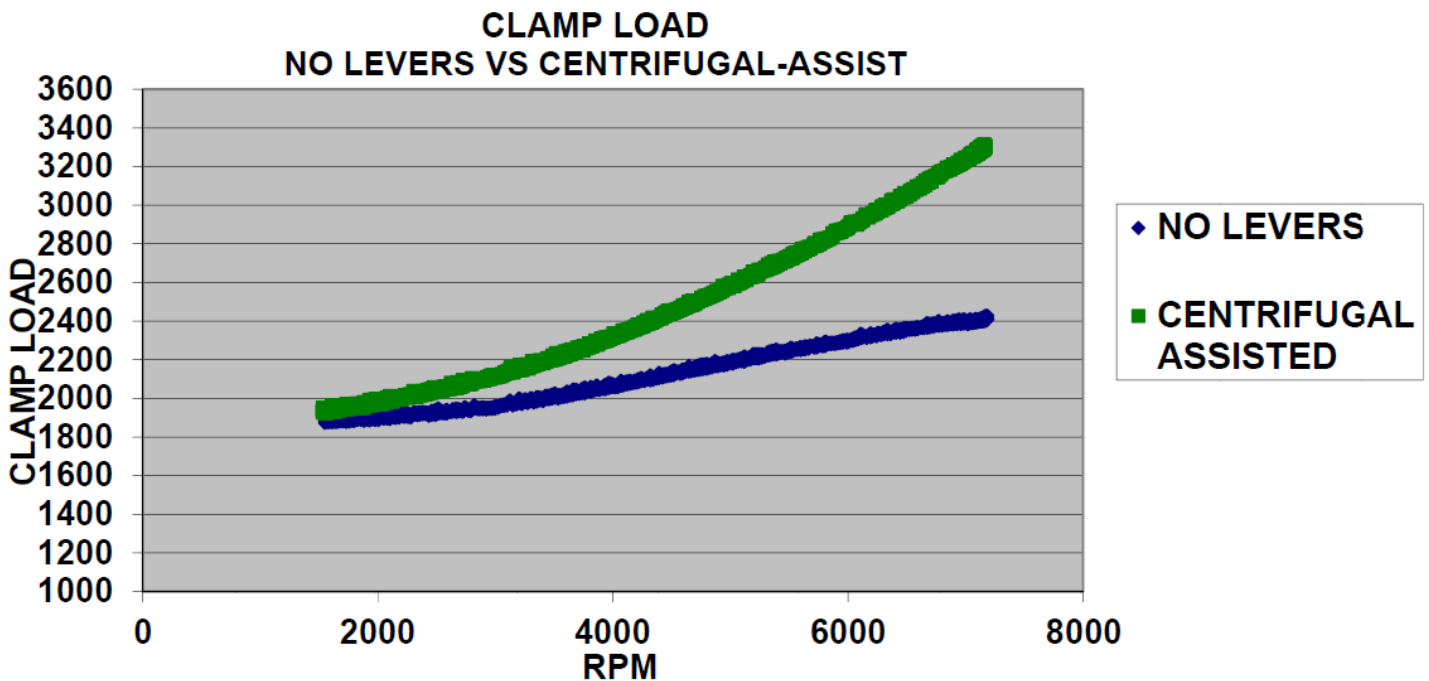
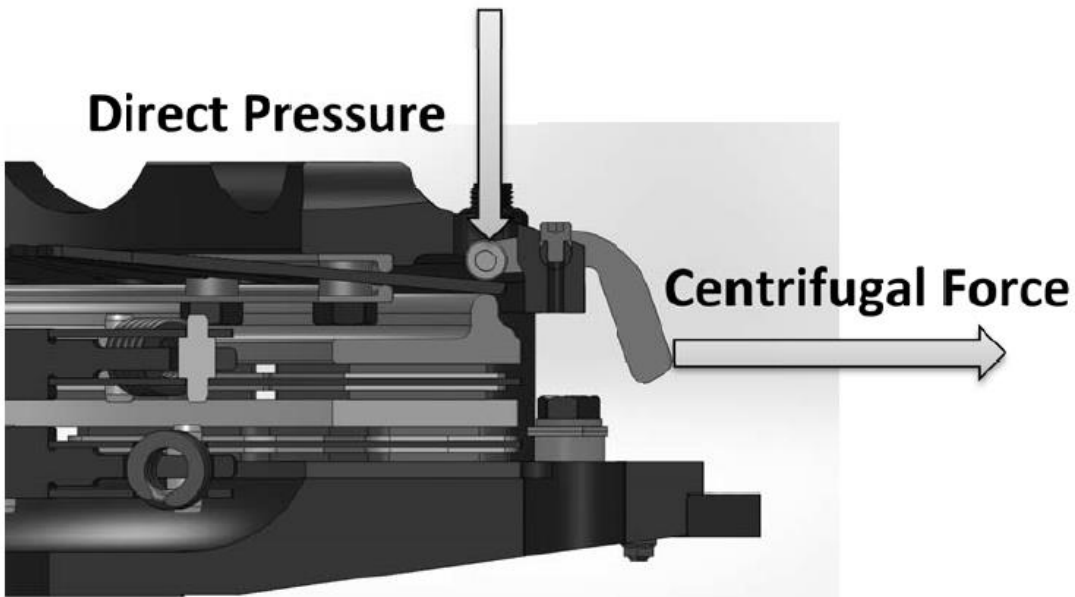
***Power/Air tools NOT advised**

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1. Remove transmission assembly per shop manual. (Inspect input shaft splines for damage or burring.)
 2. Remove existing clutch and flywheel assembly.
 3. Remove and install new pilot bearing (14).
 4. Install new **flywheel (1)**. Reinstall the factory flywheel bolts and torque them per shop manual. (**Caution:** Overtightening of flywheel bolts may result in crankshaft damage and oil leaks at the rear main seal.)
 5. Install **inner clutch disc (5)** and **floaters (6)**. Install with sprung hub toward the flywheel or markings "floater side" toward the floater. Use supplied **alignment tool (17)** to align clutch disc and keep it centered. Attach **floaters straps (7)** with **locking nuts (8)** to attaching **floaters studs (3)** with **floaters stands (4)**. Torque bolts to 25 ft-lbs. (**Caution:** Double check strap alignment before torquing.)
 6. Install **flywheel stands (10)**. Install **outer disc (9)** and **cover assembly (11)**. Outer disc hub should be outward facing away from the crank toward the transmission or markings "floater side" toward the floater and "trans side" toward transmission. Carefully align flywheel studs to cover through holes. (Flywheel studs are clocked to allow assembly in correct position only.) Tighten 12-point 3/8" **flange nuts (12)** to 35 ft-lbs using a star pattern to draw cover down as evenly as possible.
 7. Remove two bolts retaining the clutch slave and release bearing and discard bolts. (It will be necessary to shim the release bearing.) Add supplied **shims (18)** behind the clutch slave and release bearing. Reinstall the release bearing assembly using supplied **release bearing bolts (15)** that replace the shorter stock bearing bolts. Torque assembly per shop manual.
 8. Reinstall transmission assembly taking caution not to hang transmission on the clutch disc or forcing splines into clutch disc. It is also recommended to put transmission in gear before installation. This will aid in the spline alignment by being able to turn the input shaft with the output shaft, or by slightly rocking the transmission back and forth.
 9. Fully bleed clutch system. This can be accomplished by working the pedal as many as 50 or more times until the pedal feels pressure in full stroke.

Product Insert # 199R11073
Part Number 96-300

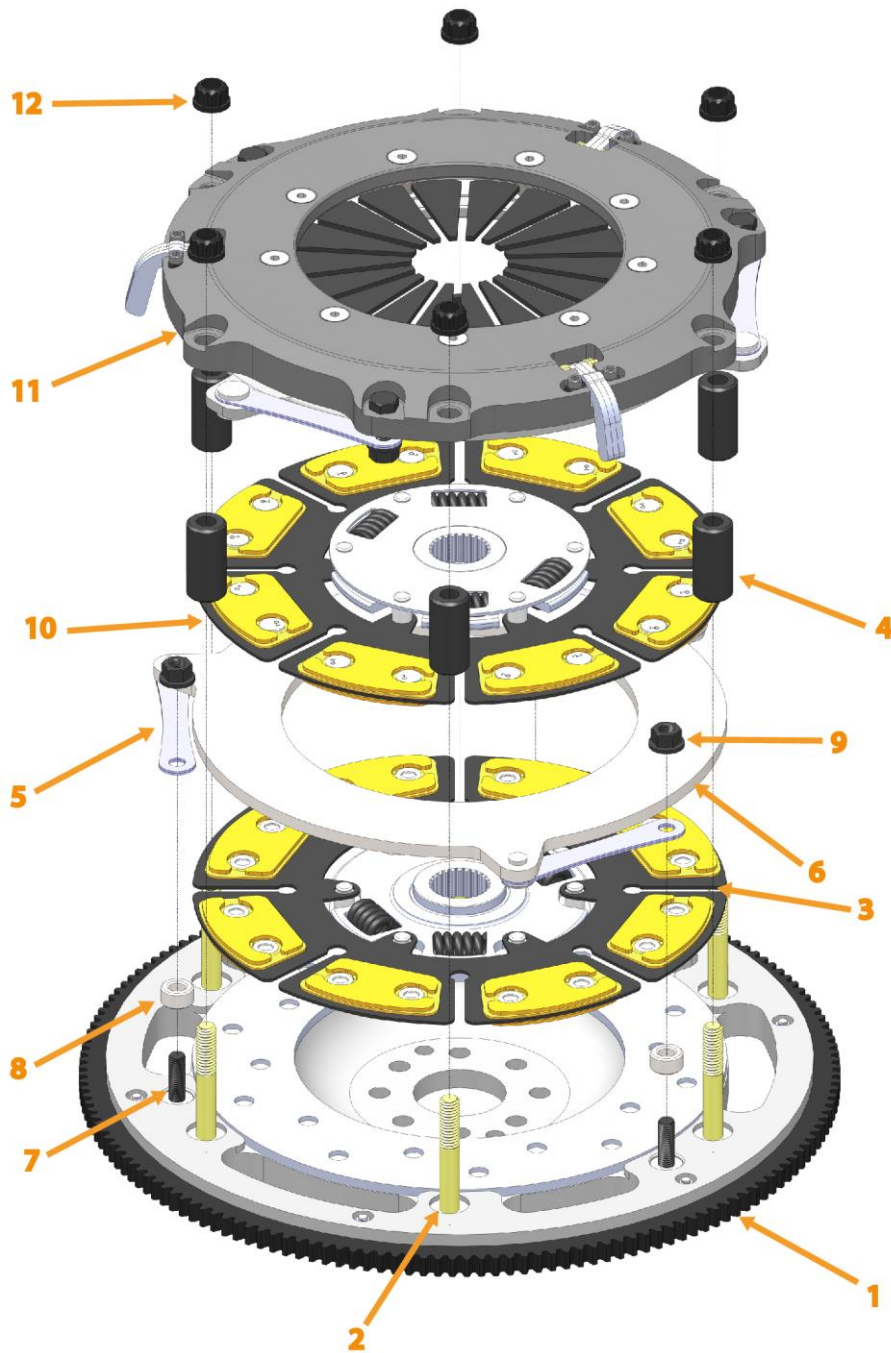
Patented Technology:

The centrifugal lever-assist technology yields higher clamp load and torque capacity without increasing the pedal effort. How does it work? As engine RPMs increase the lever is forced to fly outward. As this happens, the lever pivots and applies direct pressure to the pressure plate. The graph below shows the patented levers increase torque capacity by 15% at peak torque RPM!



PARTS LIST					
#	Description	Qty	#	Description	Qty.
1	Flywheel	1	10	Outer Disc	1
2	Flywheel Studs	6	11	Cover/Diaphragm/Pressure Plate Assembly	1
3	Inner Disc	1	12	12 Point 3/8" Flange Nuts	6
4	Flywheel Stands	6	13	Set Screws	2
5	Floater Straps	3	14	Alignment Tool	0
6	Floater	1	15	Release Bearing Bolts	2
7	Floater Studs	3	16	Pilot Bearing	1
8	Floater Stands	3	17	Flywheel Bolts	8
9	Locking Nut	3	18	Shims	TBD*

**Number of shims to be determined by application*



HAYS LIMITED WARRANTY

Due to the intended use of this product, warranty is limited to 90 days from the date of initial retail purchase. The product shall be free of defects in material and workmanship. Friction materials in this product are excluded. No warranty is offered for durability or specific performance because this is a consumable item. Hays is not responsible for the failure of mating components and/or other components of the driveline. Improper installation or improper application voids any warranty. If slippage occurs after installation stop use immediately and contact customer support. All products must be sent back to place of purchase for evaluation for warranty.

Clutch problems are frequently attributed to adjustment and/or release system malfunction.

*Before removal of the product for possible warranty, please refer to shop manual on operation and adjustment of the release system or proper release. The following list is common issues that are not covered under warranty.

- Worn Diaphragm fingers
- Hot spots on friction surfaces
- Lubricant on friction surfaces
- Damaged or worn friction material
- Damaged or broken disc hub and/or carrier
- Broken hub springs
- Worn bearing face
- Broken bearing seal

Hays Technical Support
1-866-464-6553

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