

# COMPARE " " THEN YOU'LL BUY

## AJS or MATCHLESS

	AJS & MATCHLESS 40 inch				
<b>CYLINDER BORE</b> It's the <b>BIG BORE</b> that counts!	72 mm Bore	71 mm Bore	70 mm Bore	70 mm Bore	70 mm Bore
<b>Length of Connecting Rods</b> Short Rods give that extra Power (A) Short Rods—On Intake Stroke (B) Short Rods—On Power Stroke	5 1/4 inch Rod Length	6 1/2 inch Rod Length	6-7/16 inch Rod Length	6-7/32 inch Rod Length	6-7/16 inch Rod Length
	Piston travels faster during first half of stroke. This draws extra gas in cylinder. Rods get angularity to crankpin quicker, giving Fire Power more leverage to turn crankshaft.				
<b>CRANKSHAFT</b> The Heart of the Engine	Solid one piece Shaft Double Flywheels	Bolted 3-Piece	Bolted 2-Piece	One Piece Shaft	Bolted 2-Piece
<b>MAIN BEARINGS</b> —that support crankshaft	3 Main Bearings 3 Rollers each end Vanderville Center	2 Main Bearings 2 1/2" and 2-13/16" Ball	2 Main Bearings 1 3/4" Bushing and 2-7/16" Roller	2 Main Bearings 3-11/32" Roller and 3-11/32" Ball	2 Main Bearings 1 3/4" Bushing and 2-7/16" Roller
<b>CYLINDER BARRELS</b> Barrels Fastened to Crankcase	2 Separate Barrels Straight through hold down bolts	Cast one unit Bottom flange bolted	Cast one unit Bottom flange bolted	2 Separate Barrels Straight through hold down bolts	Cast one unit Bottom flange bolted
<b>CYLINDER HEADS</b>	2 Separate Heads Aluminum Alloy	Cast one unit Aluminum also iron	Cast one unit Aluminum	2 Separate Heads Aluminum	Iron casting
<b>CAMSHAFTS</b>	2 Camshafts—Gear Driven	2 Camshafts	1 Camshaft	2 Camshafts	1 Camshaft
<b>CARBURETOR</b>	1-1/8" Monobloc	1-1/16" Monobloc	1-1/16" Monobloc	1-1/16" Monobloc	1-1/16" Monobloc
<b>OIL PUMPS</b>	2 Separate gear type pumps	Plunger Pump	One double gear type	Plunger Pump	One double gear type
<b>Front Forks</b> (Lower Fork Legs)	Teletronic Aluminum Lower Forks	Telescopic Iron Lower Forks	Telescopic Iron Lower Forks	Telescopic Alum. Lower Forks	Telescopic Iron Lower Forks
<b>Wheel Hubs</b> (This is unsprung weight)	Aluminum Full Width Big Fins, Streamlined	Iron Full Width Front Iron one-side drum type rear	Iron Full Width Side Flanges	Aluminum Full Width Side Flanges	Aluminum Full Width Side Flanges
<b>Finish on Hubs</b>	Polished Alloy	Painted Black	Painted Black	Alloy Polished	Alloy Polished
<b>Type of Spokes</b>	Straight Spokes	Straight Spokes, Front	Straight Spokes	Hook Type Spokes	Hook Type Spokes
<b>Fenders, Sport-Models</b>	Aluminum, Polished	Painted	Painted	Aluminum	Iron, Chromed

