

# AVIAID MODULAR FORD SYSTEM

*Specially designed dry sump systems from Aviaid are engineered for use with Ford 4.6L or 5.4L "modular" engines. They are proven to supply necessary lubrication under the most severe conditions, along with superior scavenging. The scavenging is the key to obtaining optimum power. There are several options to choose from, including pump size, "plumbing" specifications, and type of damper used.*



## CONVENTIONAL DRY SUMP SYSTEM

- 3, 4 or 5-stage dry sump pump with scavenge and pressure sections
- Integral pressure regulator standard; remote regulator optional
- Purpose-built right side mount billet aluminum pump mounting bracket
- Solid bolt-through pump design mount with belt tension adjusted by shims
- Custom billet aluminum 3-bolt drive mandrel. Mounts to 5.4L 8-rib OEM or BHJ dampers, or ATI 6-rib shell damper using custom billet aluminum 3-bolt BBC bolt-on mandrel

## CAST ALUMINUM OIL PANS

- Rear trough cast aluminum pan available, clears Mustang and other front crossmember chassis  
Choice of up to three -10 or -12 filter fittings

## OTHER SYSTEM COMPONENTS

- Dry sump tank (choose from many shapes and sizes)
- Braided lines and AN fittings for your installation
- 8.8 metric mount hardware with washers
- Grade 8 pump mounting hardware with washers
- Custom water & oil manifold
- Gilmer pump pulley and belt
- Custom drive mandrel with BHJ damper, drive pulley, flange washers and hex hat washer, 8.8 metric mounting bolts with washers
- Custom drive mandrel with ATI damper, drive pulley, flange washers and hex hat washer, 8.8 metric mounting bolts with washers



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"Lubrication Solutions Since 1961"

**3 Stage System**

Pump 001	13220-2176	1	3 stage pump, 1.50" Pressure, 2 x 1.50" Scavenge	780.00	780.00
Pan 160	61310	1	2 Pickup Cast Aluminum Modular V8 Dry sump pan	642.00	642.00
		2	AN -12 Screen Fittings \$22.50 each	22.50	45.00
				Package:	1467.00

**4 Stage System**

Pump 001	14220-2176	1	4 stage pump, 1.50" Pressure, 3 x 1.50" Scavenge	920.00	920.00
Pan 160	61310	1	2 Pickup Cast Aluminum Modular V8 Dry sump pan	642.00	642.00
	61314	1	Additional scavenge pickup	36.00	36.00
	61314-12	3	AN -12 Screen Fittings \$22.50 each	22.50	67.50
				Package:	1665.50

**Pump Mount**

104	40076-17	1	Modular Ford V8 Mount adapter plate	42.00	42.00
104	40017-02	3	Short side bolt adapter plate shim	2.24	6.72
104	40076-01	1	Side mount pump bolt kit	7.20	7.20
104	40018-03	1	Modular Ford V8 Adapter plate bolt kit	4.80	4.80
				Package:	60.72

**Drive Assembly**

104	40417	1	Modular Ford Pin Drive Drive mandrel	69.00	69.00
104	40453-2	1	Modular Ford Drive Mandrel Bolt Kit	8.60	8.60
119	15218	1	18x1x1 Pin Drive 18T Gilmer drive gear	48.00	48.00
119	53005	1	.050 Pin Drive Guide Washer	15.00	15.00
119	44500	1	7/16" Hat Washer	12.00	12.00
104	40453	1	Drive Mandrel Bolt & Washer	6.10	6.10
104	40600-32	1	32T 1" wide 5/8" shaft pump pulley	54.00	54.00
104	40800-285	1	100L285 Gilmer Drive Belt	32.72	32.72
				Package:	245.42

**6" Dry Sump Tank Assembly**

110	50025	1	2.5 Gallon System Capacity Tank, 25.5" Tall	346.00	346.00
110	50200	1	6" Tank Bracket Set	38.00	38.00
110	50212	1	AN12 Tank Fitting Set	38.00	38.00
110	50228	1	Additional Engine Vent inlet fitting installed	47.00	47.00
				Package:	469.00

**9" Dry Sump Tank Assembly**

110	50030	1	3.0 Gallon System Capacity Tank, 18" Tall	346.00	346.00
110	50200-06	1	9" Tank Bracket Set	40.00	40.00
110	40212-12	1	AN12 Tank Fitting Set	38.00	38.00
110	50228	1	Additional Engine Vent inlet fitting installed	47.00	47.00
				Package:	471.00

**Tank Vent - Choose Breather Can Assembly or Tank Vent Filter**

110	50220	1	Breather Can Assembly	89.00	89.00
110	50218	1	Breather Can Fitting Kit	28.65	28.65
				Package:	117.65
110	50244-01	1	Tank Vent Filter	26.93	26.93
108	84115	1	AN 12 Male to 1-1/2" Filter Adapter	48.00	48.00
				Package:	74.93

**Sight Tube Assembly**

014	109016	2	AN 06 90° Fixed Hose End	17.56	35.12
014	981666	2	AN 06 Male x 3/8" Male Pipe Straight adapter alum	3.28	6.56
014	200006	1	3/8" Nylon Reinforced line	2.40	2.40
110	50231	2	3/8 NPT Bung Welded	18.00	36.00
				Package:	80.08