



FORD 5.0 (Explorer) Short Front Runner Installation Instructions

1. Remove stock pump, reservoir and pressure line to steering box
2. With supplied 90 deg. Countersink bit, prepare bottom two pump mounting holes for flat head allen bolts. The aluminum is soft so don't go too deep! See Fig1 & 2



Fig 1



Fig 2

3. With a punch or old pump bolt, knock back the top rear spacer sleeve. See Fig 3
4. Install the adaptor with the two 8X25mm flat head allen bolts using the bottom holes. See Fig 4



Fig 3



Fig 4



5. Install the pump with only the top 8x110mm bolt. Run nut down but do not tighten. **See Fig 5**

6. Attach the -6 45 degree Pressure line. Swing pump up and adjust banjo fitting if needed. After determining hose length, install reusable fitting on other end of hose. **See Fig 6**



Fig 5



Fig 6

7. Pivot pump down so banjo nut rests on aluminum bracket. Tighten -6 45 degree fitting so fitting tube rests against the edge of the aluminum bracket. **See Fig 7**

8. Swing pump up and install the two bottom 8x20mm allen bolts. **See Fig 8**



Fig 7



Fig 8



9. Check to make sure there is clearance between the banjo nut / fitting tube and the aluminum bracket. Tighten all pump and adaptor bracket bolts. **See Fig 9**

10. Install the reservoir bracket with three 6x20mm allen bolts. **See Fig 10**

Reservoir can also be mounted on the firewall, roll cage or fender.



Fig 9



Fig 10

11. Loosely install the reservoir bracket with two 1/4-20 allen bolts, four washers and two lock nuts. **See Fig 11**

12. Loosely install the reservoir and check hood clearance. Adjust reservoir height to be as high as possible and mark with a pencil. **See Fig 12**



Fig 11



Fig 12



13. Make up -10 hose for inlet. Hose length 6 ¾" as shown. Adjust length accordingly to desired reservoir clocking. Set at marked height. Tighten all bolts. See Fig 12



Fig 12



Belt routing with AC (Belt # 6PK2375)



Belt routing without AC (Belt # 6PK2082)



NON HYDROBOOST KIT





5.0 EXPLORER PUMP KIT	PART	QTY
NON HYDROBOOST		
1) PRESSURE HOSE AND FITTING (PUMP TO GEARBOX)		
	HOSE -6 PRESSURE 42"	1
	HOSE END (-6) CRIMP ON 45 DEG (ALREADY INSTALLED)	1
	HOSE END (-6) REUSABLE 90 DEG	1
	GEARBOX FITTING (PRESSURE) CHOOSE SAE OR METRIC	1
	GEARBOX FITTING (RETURN) CHOOSE SAE OR METRIC	1
2) RESERVOIR MOUNT AND HARDWARE		
	BILLET RESERVOIR CLAMP 3.5" SMOOTH VERTICAL	1
	1/4-20 X 1 1/8 SHCS	2
	1/4 WASHER	4
	1/4-20 LOCK NUT	2
3)PUMP ASSEMBLY		
	CB PUMP, TC SHAFT, 1450/1600 3GPM, WITH HELICOIL	1
	INLET: 90DEG BOSS -8-10	1
	OUTLET: STOCK FLOW CONT. W/MOD AND -6 BANJO FITTING	1
	PULLEY 5.375 W/MOD	1
4) PUMP ADAPTOR PLATE AND HARDWARE		
	PUMP ADAPTOR WITH PLATING	1
	8 X 1.25 X 110 SHCS (PUMP TO BRACKET)	1
	8 X 1.25 X 20 SHCS (PUMP TO BRACKET)	2
	8MM FLAT WASHER (PUMP TO BRACKET)	2
	8 X 1.25 LOCK NUT (PUMP TO BRACKET)	1
	8 X 1.25 X 25 FLAT HEAD (ADAPTOR TO OEM BRACKET)	2
5)RESERVOIR ADAPTOR PLATE AND HARDWARE		
	RESERVOIR ADAPTOR	1
	6 X 1.0 X 20 SHCS	3
	6MM FLAT WASHER	3
6) RESERVOIR		
	RESERVOIR: 3.5" X 6", -10 SIDE OUT, -6 RETURN	1
7) FEED HOSE		
	FEED HOSE (-10) 8"	1
	PUSH LOCK HOSE END (-10) 45 DEGREE	1
	PUSH LOCK HOSE END (-10) 120 DEGREE	1
8) RETURN LINE (GEARBOX TO RESERVOIR)		
	HOSE (-6)LOW PRESSURE GEARBOX RETURN LINE 3'	1
	HOSE END (-6) PUSH LOCK 90 DEG (2)	2
NOT SHOWN		
	90 DEGREE COUNTERSINK	1



HYDROBOOST KIT





5.0 EXPLORER PUMP KIT WITH HYDROBOOST	PART	QTY
1) PRESSURE HOSE AND FITTINGS (PUMP TO HYDROBOOST)	HOSE -6 PRESSURE 30"	1
	HOSE END (-6) CRIMP ON 45 DEG (ALREADY INSTALLED)	1
	HOSE END (-6) REUSABLE 90 DEG	1
	GEARBOX FITTING (PRESSURE) CHOOSE SAE OR METRIC	1
	GEARBOX FITTING (RETURN) CHOOSE SAE OR METRIC	1
2) RESERVOIR MOUNT AND HARDWARE	BILLET RESERVOIR CLAMP 3.5" SMOOTH VERTICAL	1
	1/4-20 X 1 1/8 SHCS	2
	1/4 WASHER	4
	1/4-20 LOCK NUT	2
3)PUMP ASSEMBLY	CB PUMP, TC SHAFT, 1600 3GPM, WITH HELICOIL	1
	INLET: 90DEG BOSS -8-10	1
	OUTLET: STOCK FLOW CONT. W/MOD AND -6 BANJO FITTING	1
	PULLEY 5.375 W/MOD	1
4) PUMP ADAPTOR PLATE AND HARDWARE	PUMP ADAPTOR WITH PLATING	1
	8 X 1.25 X 110 SHCS (PUMP TO BRACKET)	1
	8 X 1.25 X 25 SHCS (PUMP TO BRACKET)	2
	8MM FLAT WASHER (PUMP TO BRACKET)	4
	8 X 1.25 LOCK NUT (PUMP TO BRACKET)	1
	8 X 1.25 X 25 FLAT HEAD (ADAPTOR TO OEM BRACKET)	2
5)RESERVOIR ADAPTOR PLATE AND HARDWARE	RESERVOIR ADAPTOR	1
	6 X 1.0 X 20 SHCS	3
	6MM FLAT WASHER	3
6) RESERVOIR	RESERVOIR: 3.5" X 6", -10 SIDE OUT, -6 RETURN, -6 HB RETURN	1
7) FEED HOSE	FEED HOSE (-10) 8"	1
	PUSH LOCK HOSE END (-10) 45 DEGREE	1
	PUSH LOCK HOSE END (-10) 120 DEGREE	1
8) RETURN LINE (GEARBOX TO RESERVOIR)	HOSE (-6)LOW PRESSURE GEARBOX RETURN LINE 3'	1
	HOSE END (-6) PUSH LOCK 90 DEG (2)	2
9) RETURN LINE (HYDROBOOST TO RESERVOIR)	HOSE (-6)LOW PRESSURE HYDROBOOST RETURN LINE 3'	1
	HOSE END (-6) PUSH LOCK 90 DEG (2)	2
10) PRESSURE LINE (HYDROBOOST TO GEARBOX)	HOSE (-6) PRESSURE 60"	1
	16MM HYDROBOOST FITTING	1
	18MM HYDROBOOST FITTING	1
	HYDROBOOST RETURN FITTING	1
	HOSE END (-6) REUSABLE 90 DEG	1
	HOSE END (-6) REUSABLE STRAIGHT	1
	90 DEGREE SWIVEL	1
NOT SHOWN	90 DEGREE COUNTERSINK	1