

INSTALLATION NOTES

1. The buyer is responsible for providing trained and experienced installation decision making with technical know-how to apply professional judgment that specifically applies to each individual installation.
2. Be sure to read and understand all available information including but not limited to instructions, warnings, sale terms, and warranties for the vehicle and all system components prior to attempting installation.
3. Disconnect both battery cables. Drain coolant low enough for removal of upper radiator hose. Disconnect the upper radiator hose at the radiator.
4. Remove fan clutch wire and bracket from engine. Remove OEM belt. Disconnect alternator wires and lay aside. Remove both OEM alternators. Remove OEM alternator bracket and bolts. The bolts will not be reused.
5. Install main bracket (1) with bolts (2) and lock washers (3) onto the engine block (make sure to install bolt into bracket hole closest to water pump before installing bracket).
6. Install wire extension (12) to OEM main alternator wire with hardware (14-15) and heat shrink (13). Install OEM main alternator with OEM bolt (7) and bolt (8) onto main bracket (1). Install the two smooth idler pulley assemblies (4-6) onto main bracket (1) (install in hole furthest from the water pump). Install OEM secondary alternator with bolts (9) onto main bracket (1) (make sure wire harness is placed between the two mounting holes). Install clutch pump assembly onto main bracket (1) (pump belly facing the inside) according to the manufacturers' specifications with provided mounting hardware (10-11). Install wires to both alternators.
7. Install belt (22). Reinstall fan wire and OEM wire bracket.
8. Remove factory clamp from radiator hose (this is done by cutting at holes and separate plastic clamp). Install rubber elbow (17) with hose clamps (19) installed loosely onto the upper radiator hose quick disconnect. Install steel tube (16) with the expanded end into the rubber elbow (17) and adjust as shown in the photo. Mark and cut the OEM upper radiator hose at the appropriate location so it will slip over the steel tube (16) by approximately 1½". Install hose clamp (18) loosely. Then, push steel tube (16) into the modified OEM upper radiator hose. Adjust hose for best fit and clearance to the clutch. Then, tighten all hose clamps and secure the hose to the fan shroud with loom clamp (20) and bolt (21).
9. Reconnect the upper radiator hose quick disconnect to the radiator if needed. Replace the engine coolant and check for leaks.

CAUTION: Before starting the engine, check to make certain no wires, hoses, etc. that may have been disturbed during installation do not come in contact with any hot or moving parts. Properly refill any fluids that may have been drained, check for leaks. Run the engine and check for proper belt tracking and clearance of any hoses, wires, etc. It is the installer's responsibility to correct/adjust any components, if necessary, before the vehicle is put into service.



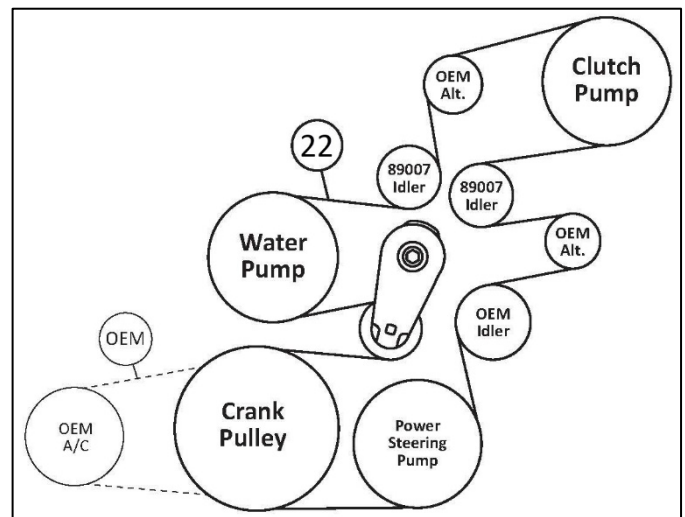
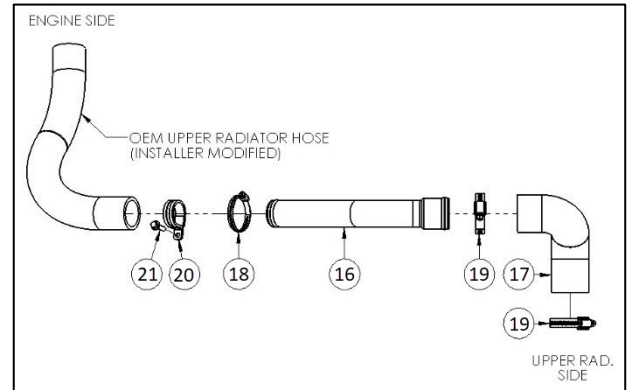
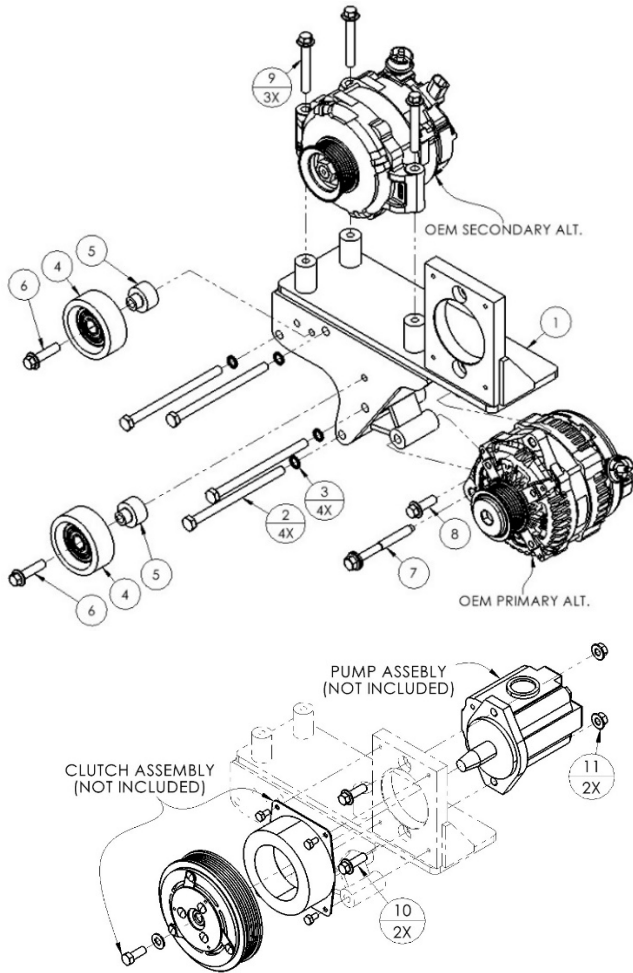
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FMK242A-I6DA

2023-2026 Ford F-250-F-550, F-600 Super Duty
 7.3L V8 Gas w/-w/o A/C, w/ OEM Dual Alternators
 2023-2026 Ford F-250-F-550, F-600 Super Duty
 6.8L V8 Gas w/-w/o A/C, w/ OEM Dual Alternators

Requires 6-Groove Clutch, SAE Two Bolt 'A' Flange Pump
 Recommended 1.75 in.³ or 8 gal. Pump w/ 12hp Restriction

NOTE: Must Use Rear Ported Pump



PARTS LIST

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
Main Bracket				Wire Extension (Not Shown)			
1	FMB242A-I6	Main Bracket	1	12	FMB241WE	Wire Extension	1
Main Bracket Mounting Hardware				13	1005393	Heat Shrink	3"
2	1005275	M10-1.5 x 150mm 10.9Gr Hex Bolt	4	14	1011623	M8-1.25 x 12mm 10.9Gr Hex Flg. Bolt	1
3	1003822	M10-1.5 Lock Washer	4	15	1013333	M8-1.25 10.9Gr Hex Flg. Nut	1
Smooth Idler Pulley Assembly (2x)				Upper Radiator Hose Modification Assembly			
4	89007	Dayco Smooth Idler Pulley	2	16	FMB241-2	Fabricated Steel Tube	1
5	FMB241-1	Machined Idler Bushing	2	17	FMB241-3	Custom Modified Rubber Elbow	1
6	1006933	M10-1.5 x 40mm 10.9Gr Hex Flg. Bolt	2	18	1016325	#24 Hose Clamp	1
OEM Main Alternator Mounting Hardware				19	1006199	#28 Hose Clamp	2
7	N/A	OEM M10-1.5 x 90mm Bolt	1	20	1017265	#32 Loom Clamp	1
8	1006927	M10-1.5 x 30mm 10.9Gr Hex Flg. Bolt	1	21	1016341	M6-1.0 x 25mm 10.9Gr Hex Flg. Bolt	1
OEM Secondary Alternator Mounting Hardware				Belt			
9	1016343	M10-1.5 x 70mm 10.9Gr Hex Flg. Bolt	3	22	5061130	Dayco 6-Groove, 113.0" Belt	1
Clutch Pump Mounting Hardware							
10	1006927	M10-1.5 x 30mm 10.9Gr Hex Flg. Bolt	2				
11	1018204	M10-1.5 10.9Gr Hex Flg. Nut	2				

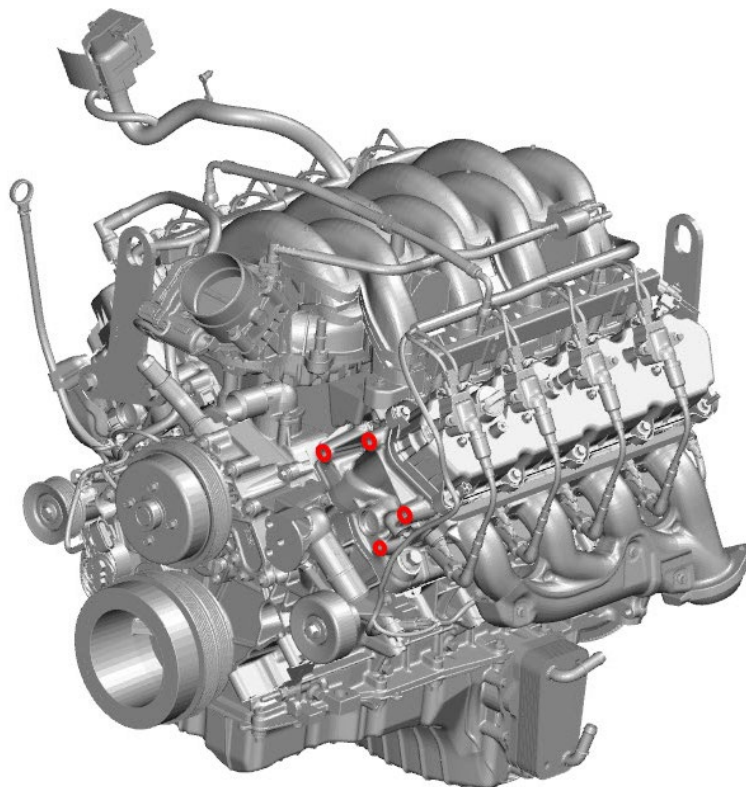
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Main Bracket Mounting Location



As Shown: Auxiliary Clutch Pump Application



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This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

9/17/2025