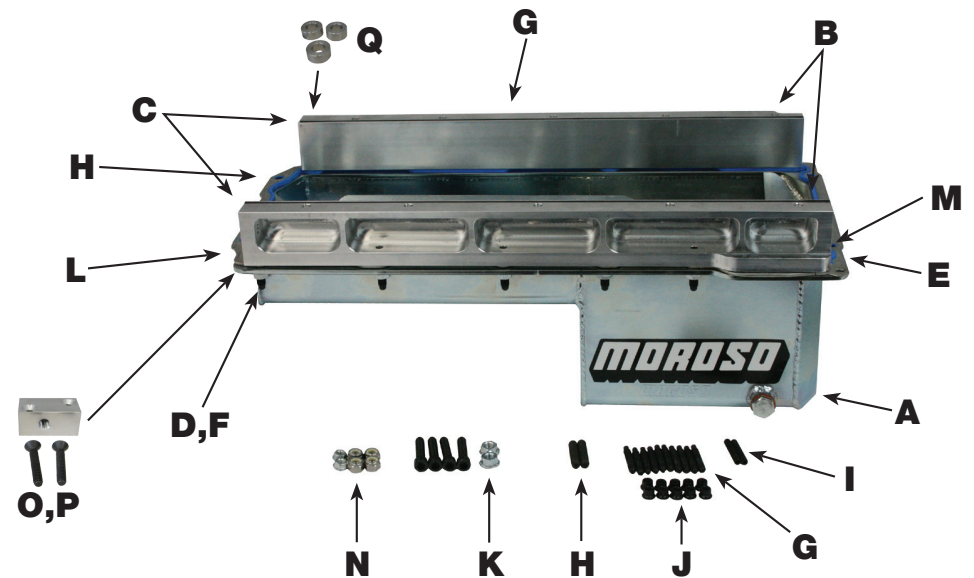




INSTALLATION INSTRUCTIONS

Part No. 20144 & 22934



20144 Instructions/Parts List			
POINTS OF REFERENCE ON ABOVE IMAGE	DESCRIPTION	INSTRUCTIONS/SPECIAL NOTES	QUANTITY
A	DART LS NEXT Oil Pan with removable windage Tray	AVAILABLE AS PART NO. 20144 ONLY	1
B	Billet Aluminum Spacers with built-in O-Ring Groove		2
C	O-Ring	Cut in half and install in O-Ring Groove of Billet Aluminum Spacers	1
D	Bullet Nose Stud, 5/16"-24x1.7	Screw into the non O-Ringed side of the Billet Aluminum Spacers mount oil pan gasket and oil pan to the spacers, a dab of RTV silicone sealer at each oil pan gasket corner is recommended	10
F	Serrated Nut, 5/16"-24	Are to be tighten down on 5/16"-18/24x1.7 Bullet Nose Studs, Torque to 25 ft. lbs	10
G	Bullet Nose Stud, 1/4"-28	Screw into the sides of the engine block	10
H	Stud, 8MM -1.25x35MM	Screw into the front of the engine block oil pan mounting area	2
I	Stud, 6MM -1.0x35MM	Screw into the rear of the engine block oil pan mounting area	2
J	12 Point Nuts, 1/4"-28	Are to be tighten down on 1/4"-28 Bullet Nose Studs, Torque to 18 ft. lbs	10
K	Serrated Nut, 8MM -1.25	Are to be tighten down on 8MM -1.25 Studs, Torque to 18 ft. lbs	2
Not Shown	Serrated Nut, 6MM -1.0	Are to be tighten down on 6MM -1.0 Studs, Torque to 8 ft. lbs	2
L	Socket Head Set Screw, 5/16"-18	Screw into Timing Cover into and through Billet Aluminum Spacer	2
M	Socket Head Set Screw, 5/16"-18	Screw into Rear Cover into and through Billet Aluminum Spacer	2
N	Nylock Nut, 5/16"-18	Are to be tighten down on 5/16"-18 Socket Head Set Screw	4
O	O.E.M. GM Power Steering Adapter Block		1
P	Flat Head Cap Screw, 1/4-20 X 1	Use to mount Power Steering Adapter Block	2
Q	O.E.M. GM Alternator, A/C, Bracket Spacers	To space out factory brackets in vehicles still using these accessories	3
The following not Included but required for installation			
	DESCRIPTION	WHAT IS REQUIRED	QUANTITY
Not Shown	Oil Pump Pick up	MOROSO Part No. 24144 DESIGNED FOR USE WITH PART NO. 20144	1
E	Oil Pan Gasket	MOROSO Part No.24144 or GM LS Series Oil Pan Gasket	1

For Technical Assistance Call Moroso's Tech Line: 203.458.0542 or 203.458.0546, 8:30am - 5pm EST