

3. Install the 4406-21 front bracket to the head using 2 of the M10 x 150 bolts with the 2.010" spacers stacked with the 2.544" spacers between the brackets. The far outer bolt will need a flat washer and lock nut. The inner bolt goes in the upper threaded hole in the head. Do not use any washers under these bolt heads, apply blue tread locker to the bolt threads that go into the head or water pump.
4. Install the M10 x 45 bolts with the .835" spacers between the front bracket and water pump tensioner bolt holes. Do not use any washers under these bolt heads, apply blue tread locker to the bolt threads that of the head or water pump.
5. Torque all the 10 MM bolts to 40 ft-lbs.
6. Install the grooved idler with the spacer to the 4420-21 bracket using the ½ flange bolt and lock nut, torque to 60 ft-lbs
7. If you are using the spring tensioner, install the tensioner to the 4405-21 bracket with the 4405-23 spacer and M12 bolt. The roll pin on the spacer should go thru the hole in the 4405-21 bracket. Refer to figure1 as a guide
8. If you are using the manual tensioner kit, install the manual tensioner arm to the back of the 4405-21 bracket using figure 2 as a guide. The manual tensioner arm pivots on the ½ x 1.5" carriage bolt, the ½ x 2 carriage bolt will go thru the end of the arm, thru the slot in the 4405-21 bracket, thru the idler spacer and idler puller and secured with the flanged lock nut.
9. Install the alternator between the 4405-21 front bracket and 2.544 spacers that are in front of the 4405-22 brackets using an M10x150 bolt and nylock nut, use a flat washer under the nut.
10. Torque the 10 MM bolts to 40 ft-lbs, Torque the tensioner bolts to 60 ft-lbs

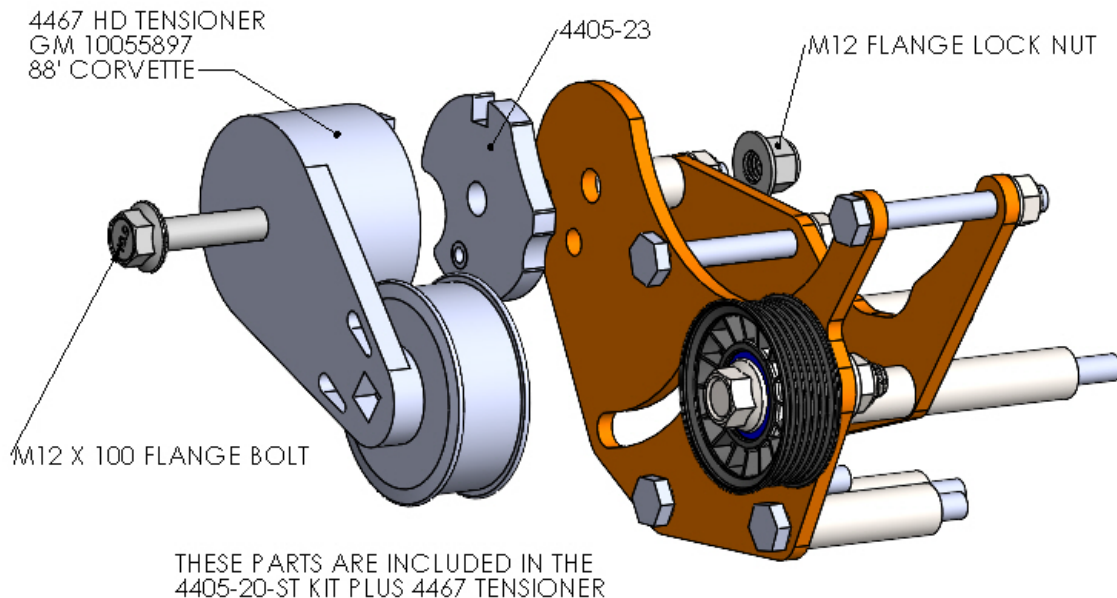


Figure 1



IBEX 4405-20-LS3 GM LS PASSENGER SIDE ALTERNATOR BRACKET

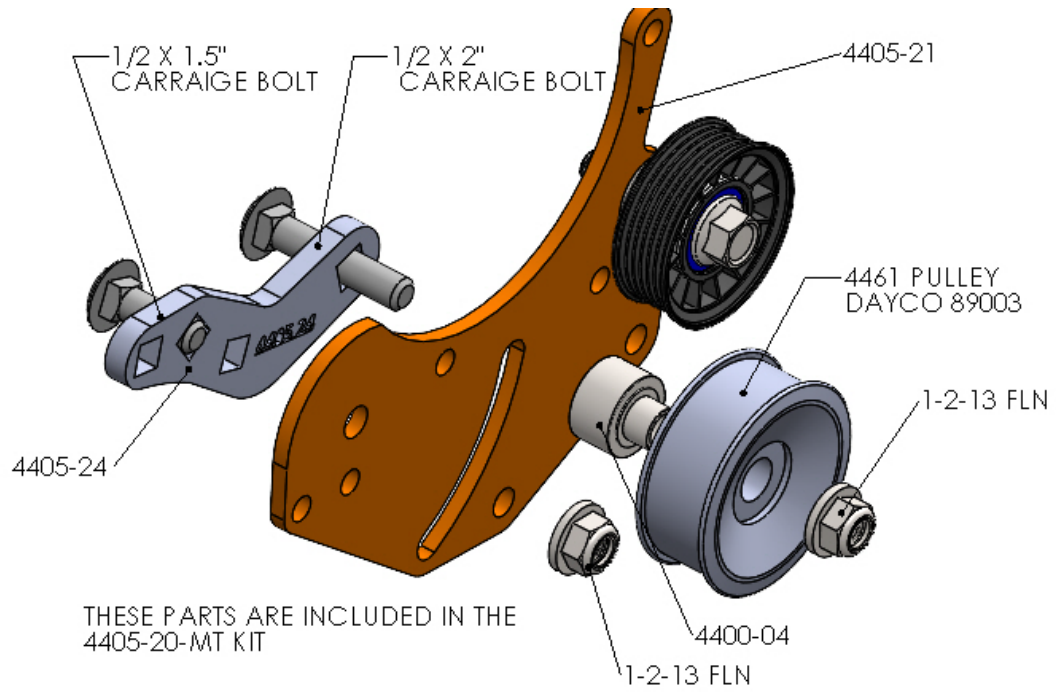
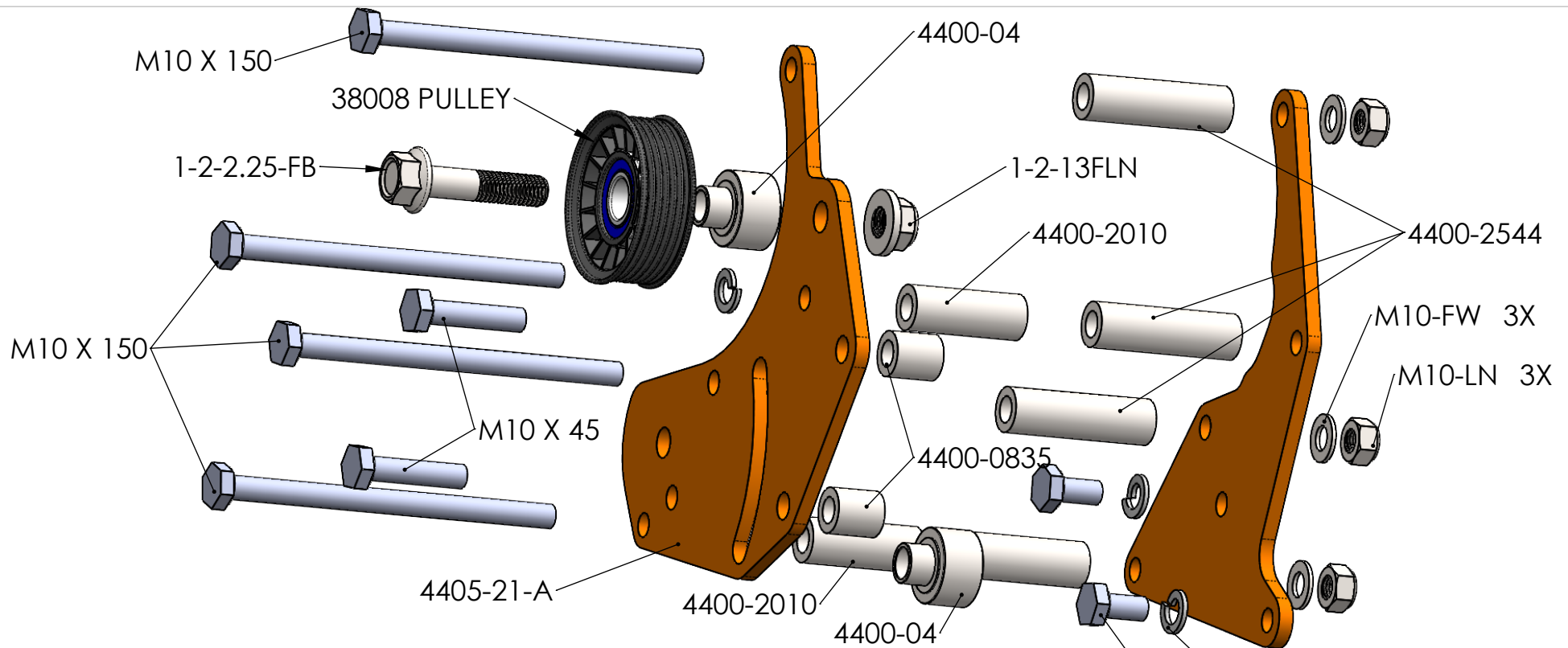


Figure 2



ITEM NO.	PART NUMBER	DESCRIPTION	4405-20-LS3/QTY
1	4405-21-A	FRONT BRACKET	1
2	4405-22	REAR BRACKET	1
3	M10-LN	M10 LOCK NUT	3
4	M10-LW	M10-LW	3
5	M10-FW	M10-FLAT WASHER	3
3	M10 X 45	M10 X 45 BOLT	2
7	M10 X 20	M10 X 20 BOLT	2
8	M10 X 150	M10 X 150 BOLT	4
9	4400-0835	.835" SPACER	2
10	4400-2010	2.010" SPACER	2
11	4400-2544	2.544" SPACER	4
12	4400-04	IDLER SPACER	1
13	1-2-13FLN	1/2-13 IDLER NUT	1
14	1-2-2.25-FB	1/2 X 2-1/4 FLANGE BOLT	1
15	4464	GROOVED PULLEY, 38008	1



TITLE: ALTERNATOR BRACKET
PASS SIDE, TRUCK ALT
TRUCK SPACING

SIZE DWG. NO.
A 4405-20-LS3

SCALE: 1:1 WEIGHT: SHEET 1 OF 3