

DATE: November 3, 2021

NO: SB 428R5

**SUPERSEDES: S.B. 428R3 dated 06/02/2014**
**SUBJECT: HOUSING & ADVANCE PISTON KITS**

Stanadyne offers the following DB2, DB4, and DM pump housing and advance piston service kits. Each kit contains a new pump housing, a new standard size advance piston, and in some cases new power side and spring side plugs and seals. Reference Torque Chart 99560 for any updated torque values, specifically for these plugs. The DB4, Perkins, and John Deere DB2 kits are for applications equipped with servo speed light load advance (SSLLA). In the past, pumps received for service with excessive advance bore wear were either manually reamed to size and fitted with an oversized advance piston, or the housing and advance piston were replaced. To eliminate the need for multiple sized oversize pistons and to improve the service life of the pump, new housing and advance piston kits (containing a pump housing with a steel sleeved advance bore and a non-plated advance piston) are available. The kits are structured so that many popular pump models previously built with non-sleeved housings and plated advance pistons may be converted to sleeved housings and non-plated advance pistons when housing replacement is required. This sleeved housing design has also been introduced for most G.M./GEP applications. All available housing and piston kit part numbers and their applications are listed on the following tables:

Original Housing Part Number	Original Advance Piston P/N	Kit P/N	Application
23105, 27002, 28861	26382	B8861	GM 6.2L (1982-1990) Non-Sleeved Housing
28861	29043	30085	GM 6.2/6.5L (1990–Present) Non-Sleeved Housing
28861	29043	*42978	GM/GEP 6.2/6.5L (1990–Present) with Steel Sleeved Advance Bore and Non Plated Advance Piston *See the tables on Page 3 for qualifying models.
28861	29043	*42979	

When the kit and parts are added to 1983 models DB2- 4102, 4191, 4237 or 4307 (which aren't superseded), the model number remains the same but the pump specifications have been modified to show two housing and drive groups - one with the original components and one with the new style components.

**NOTE:** Housing replacement should only be performed when the original housing becomes unserviceable. For additional information on pump housing and advance piston kits, reference Parts Bulletin 152R8.

### Housing and Advance Piston Kit Use (JOHN DEERE)

When a pump model listed in any of the following tables requires housing replacement, the corresponding housing and advance piston kit listed is to be used:

KIT: 34487 FOR USE ON MODELS					
DB4-5210	DB4-5326	DB4-5380	DB4-5411	DB4-5422	DB4-5474
DB4-5285	DB4-5327	DB4-5397	DB4-5414	DB4-5423	DB4-5475
DB4-5303	DB4-5328	DB4-5401	DB4-5415	DB4-5439	DB4-5506
DB4-5304	DB4-5329	DB4-5403	DB4-5417	DB4-5440	DB4-5536
DB4-5311	DB4-5371	DB4-5408	DB4-5418	DB4-5443	DB4-5585
DB4-5314	DB4-5378	DB4-5409	DB4-5419	DB4-5444	DB4-5618
DB4-5317	DB4-5379	DB4-5410	DB4-5421	DB4-5445	

KIT: 34488 FOR USE ON MODELS					
DB4-5291	DB4-5365	DB4-5404	DB4-5434	DB4-5489	DB4-5530
DB4-5315	DB4-5372	DB4-5405	DB4-5435	DB4-5504	DB4-5537
DB4-5350	DB4-5383	DB4-5413	DB4-5441	DB4-5511	
DB4-5352	DB4-5391	DB4-5416	DB4-5458	DB4-5528	
DB4-5353	DB4-5398	DB4-5424	DB4-5470	DB4-5529	

KIT: 34489 FOR USE ON MODELS				
DB4-5500	DB4-5518	DB4-5565	DB4-5568	DB4-5615
DB4-5501	DB4-5519	DB4-5566	DB4-5598	
DB4-5517	DB4-5564	DB4-5567	DB4-5609	

KIT: 34943 FOR USE ON MODELS		
DB4-5512	DB4-5514	DB4-5515

KIT: 34944 FOR USE ON MODELS					
DB4-5271	DB4-5274	DB4-5280	DB4-5283	DB4-5342	DB4-5633
DB4-5272	DB4-5278	DB4-5281	DB4-5316	DB4-5630	
DB4-5273	DB4-5279	DB4-5282	DB4-5325	DB4-5631	

KIT: 34945 FOR USE ON MODELS - OBSOLETE 11/2021	
DB4-5249	DB4-5468

KIT: 34946 FOR USE ON MODELS - <b>OBSOLETE 11/2021</b>					
DB4-5212	DB4-5253	DB4-5358	DB4-5491	DB4-5523	DB4-5552
DB4-5213	DB4-5255	DB4-5480	DB4-5492	DB4-5538	DB4-5556
DB4-5214	DB4-5357	DB4-5490	DB4-5522	DB4-5539	DB4-5607

KIT: 34947 FOR USE ON MODELS					
DB2-5217	DB2-5312	DB2-5354	DB2-5412	DB2-5516	DB2-5600
DB2-5289	DB2-5313	DB2-5355	DB2-5420	DB2-5577	DB2-5613
DB2-5290	DB2-5324	DB2-5369	DB2-5479	DB2-5578	DB2-5614

### Housing and Advance Piston Kit Use (G.M. / GEP)

KIT: 42978 FOR USE ON MODELS					
DB2-4875	DB2-4878	DB2-4879	DB2-4911	DB2-4927	DB2-4970
DB2-4971	DB2-4974	DB2-4979	DB2-5079	DB2-5157	DB2-5164
DB2-5167	DB2-5485	DB2-6201	DB2-6239	DB2-6282	DB2-6283
DB2-6284	DB2-6285	DB2-6286	DB2-6287	DB2-6288	DB2-6381

KIT: 42979 FOR USE ON MODELS					
DB2-5088	DB2-5089	DB2-5119	DB2-5149	DB2-5209	DB2-5323
DB2-5436	DB2-5437	DB2-5438	DB2-5950	DB2-5966	DB2-6137
DB2-6277	DB2-6278	DB2-6279	DB2-6280	DB2-6281	

*Note: Many other DB4 pumps with SLLA may meet the criteria for one of these service kits, but are not mentioned in this bulletin because they have been produced with steel sleeved housing assemblies since their release. The housing and advance piston kits are structured for pump models that were originally produced without sleeved advance bore housings.*

Global Aftermarket Team

REVISION	DATE	CHANGES
1	2/99	Revised advance piston part number. Added information about stamping name plate.
2	5/00	Introduced new kits.
3	5/14	Introduced new kits for GM 6.2/6.5 and consolidated S.B. 428AR2 and S.B. 428R2
4	05/17	Updated format.
5	11/21	Obsolete Kits 34945 and 34946