



SPICER OFF-HIGHWAY PRODUCTS

9 November, 2000

PETTIBONE MICHIGAN
PO Box 368
Baraga, Michigan 49908

Attention: Gordy Lepisto

Enclosed herein please find service parts list and illustrations
for the assembly listed below.

MODEL NO.	PART NO.
RT20629-12	4261970

If you have any question or require any additional information,
please do not hesitate to contact us.

Regards,

A handwritten signature in cursive script that reads "Susan Porter".

Susan Porter
Technical Assistance Field Service

People Finding A Better Way®

SPICER OFF-HIGHWAY PRODUCTS, DANA CORPORATION
1293 GLENWAY DRIVE, STATESVILLE, NC 28525 TEL: (704) 873-2811 FAX (704) 878-5608

WWW.DANA.COM



SPICER OFF-HIGHWAY
PRODUCTS DIVISION

SERVICE PARTS LIST

MODEL: RT20629-12
PART NO: 4261970

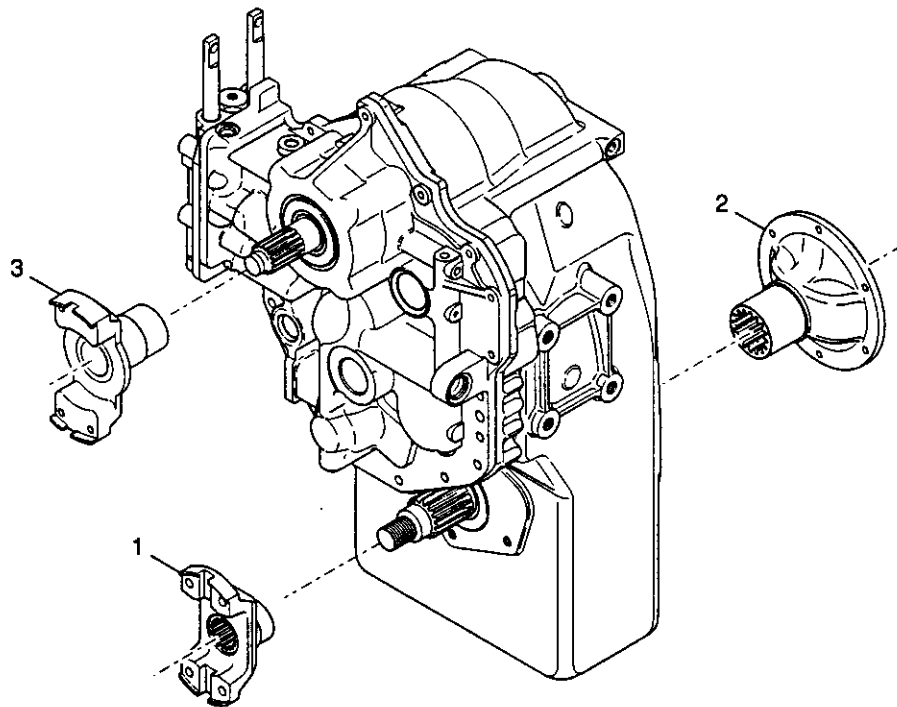
SERVICE DEPARTMENT
STATESVILLE, N.C. USA

MODEL NO. RT20629-12

PART NO. 4261970

DATE 17-10-2000

T20000 Series



GRP-T20-04 03-00



SPICER OFF-HIGHWAY

MODEL : RT20629-12
PN : 4261970

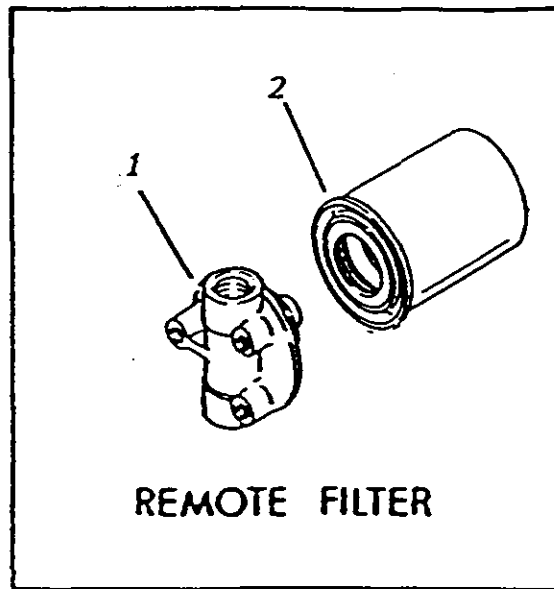
SPECIAL PARTS SECTION

<u>GRP NO.</u>	<u>ITEM</u>	<u>QTY</u>	<u>%</u>	<u>PART NO.</u>	<u>Description</u>
T20-04	1	1		231749	Output Shaft Front Flange
	2	1		231749	Output Shaft Rear Flange
	3	1		214985	Input Flange

% - Parts Stock Recommendation
AR - As Required
NI - Not Illustrated

(Group numbers are not a serviceable item, reference only).

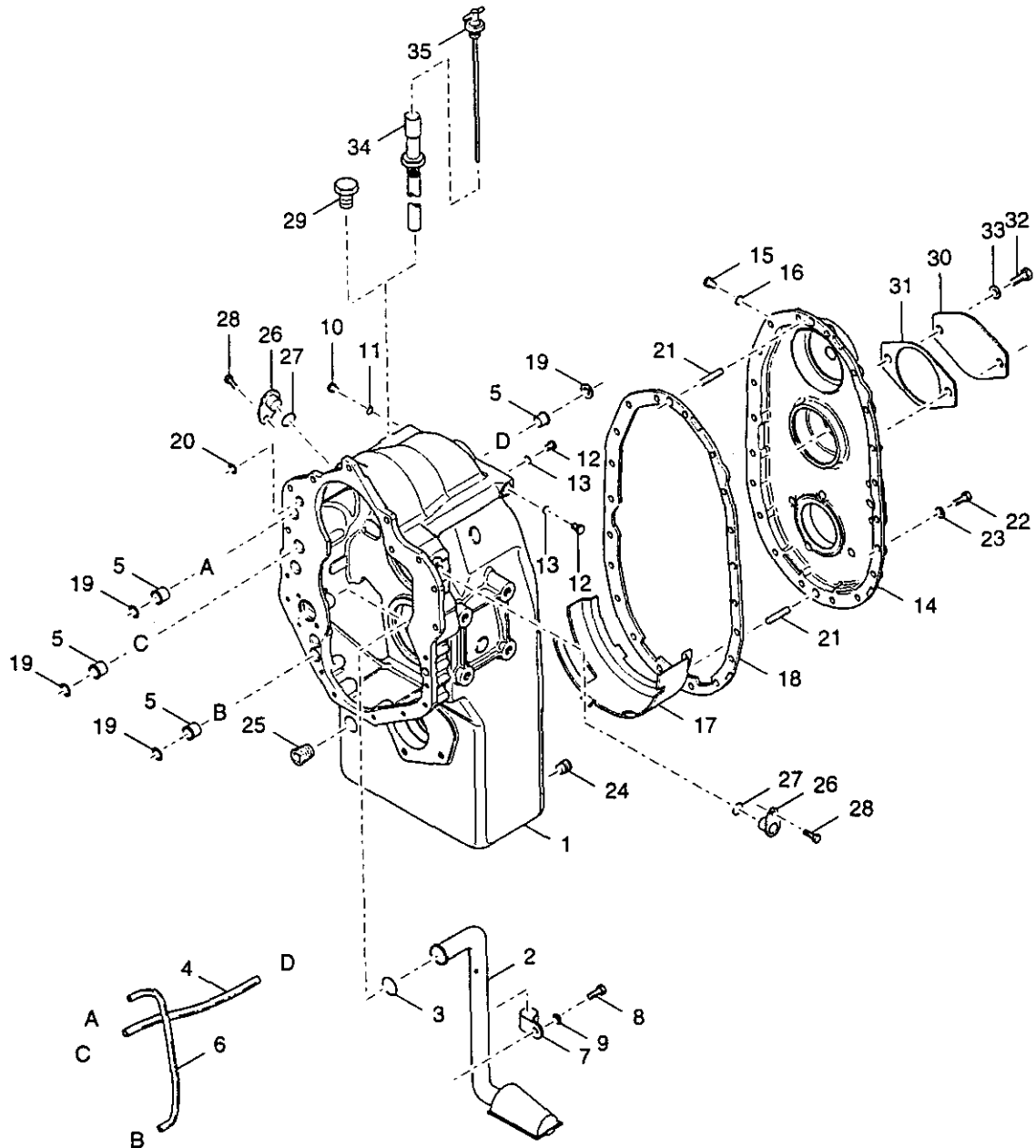
18000 & 24000



<u>ITEM</u>	<u>QTY</u>	<u>PART NO</u>	<u>DESCRIPTION</u>
1	1	236645	Filter Adaptor
2	1	247050	Filter
3	1	247054	Oil Filter & Adaptor Assembly - Incl.
Items 1 & 2			

T20000

CASE & REAR COVER GROUP





SPICER OFF-HIGHWAY

Date: 03-09-99

Revised :

MODEL : 4501277

C
GROUP

T20000

TRANSMISSION CASE & COVER GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205091	E	Assy. – Transm. Case Incl. Items 2 Thru 9
2	1	4205093		Assy. – Suction Tube
3	1	4205097	B	“O” Ring – Suction Tube Ass'y.
4	1	234157		Tube – Low Speed Pressure
5	4	222067		Sleeve – Clutch Pressure Tube
6	1	4205098		Tube – 3 rd Clutch Pressure
7	1	6H42		Clip – Part Of Item 2
8	1	1C712		Screw – Tube Clip
9	1	4E7		Lockwasher – Tube Clip Screw
10	1	47K5		Plug – Incl. Item 11
11	1	91F5	B	“O” Ring – Plug – Part Of Item 10
12	2	47K6		Plug – Incl. Item 13
13	2	91F6	B	“O” Ring – Plug – Part Of Item 12
14	1	4205192	E	Assy'. – Rear Cover & Plug – Including Item 15
15	1	47K5		Plug – Incl. Item 16
16	1	91F5		“O” Ring - Plug – Part Of Item 15
17	1	4205472		Oil – Baffle
18	1	4205101	B	Gasket – Trans. Case To Rear Cover
19	4	60K40026	B	“O” Ring – Clutch Pressure Tube
20	1	60K30018	B	“O” Ring - Clutch Pressure
21	2	4203907		Pin – Trans Case To Rear Cover Dowel
22	20	17C728		Screw – Rear Cover To Trans. Case
23	20	4E7		Lockwasher – Rear Cover To Case Screw
24	2	215757		Plug – Magnetic Drain
25	1	11F16		Plug – Drain Back Hole
26	2	4202489		Plug – Speed Sensor Port
27	2	4203422	B	“O” Ring – Speed Sensor Port Plug
28	2	3GM612		Screw – Speed Sensor Port Plug

N.S.S. – Not Sold Separately
% - Part Stock Recommendation



SPICER OFF-HIGHWAY

Date: 03-09-99

Revised :

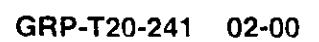
MODEL : 4501277

C
GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
29				Not Used On This Model
30	1	219430		Cover
31	1	232640	B	Gasket -- Cover
32	2	1C612		Screw - Cover
33	2	4E6		Lockwasher -- Cover Screw
34	1	236669		Assy'. -- Dipstick Tube
35	1	242603		Dipstick

N.S.S. -- Not Sold Separately
% - Part Stock Recommendation

INPUT SHAFT & FRONT COVER GROUP





SPICER OFF-HIGHWAY

Date: 23-02-00

Revised :

MODEL : 4501505

C
GROUP

T20000

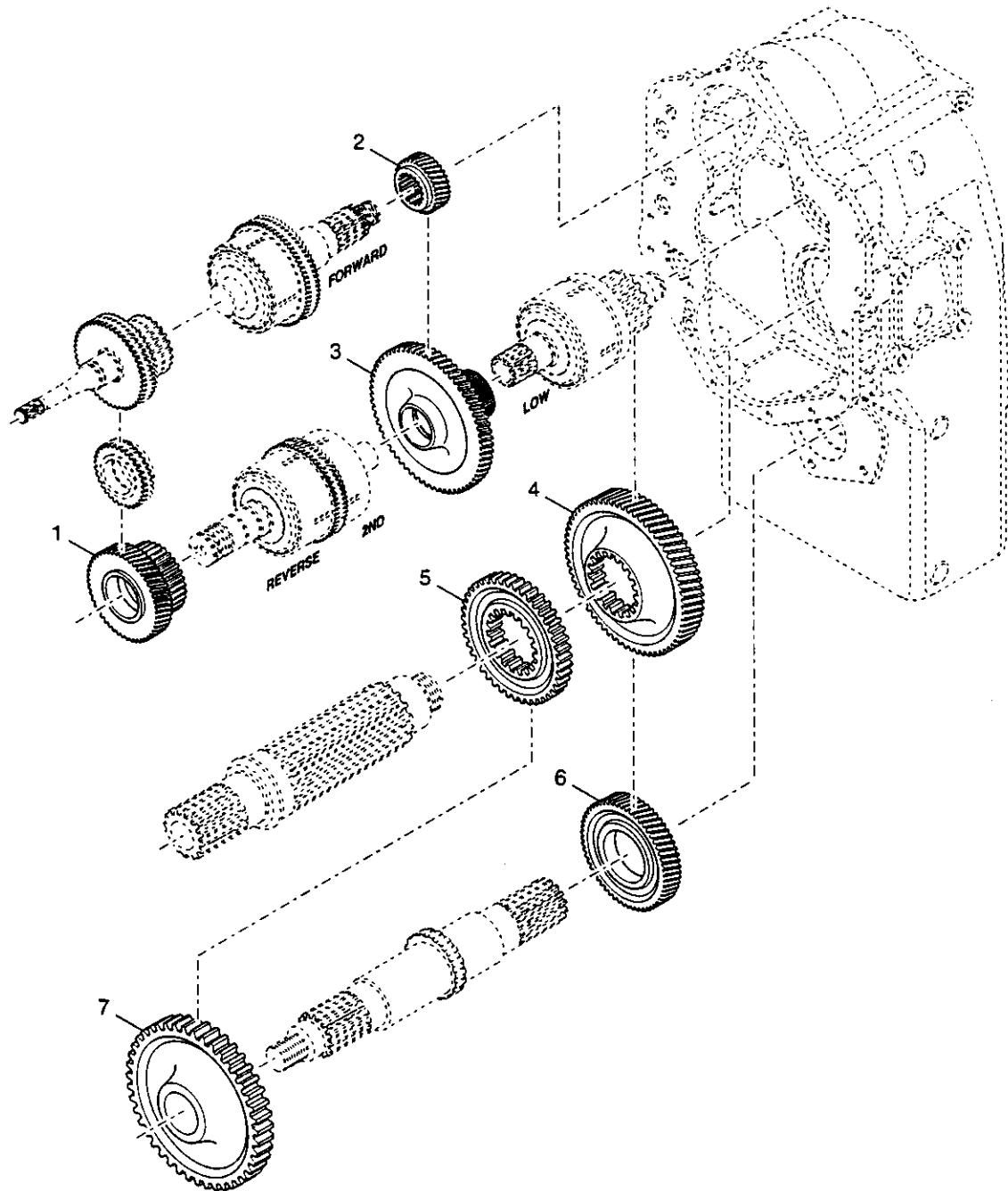
INPUT SHAFT AND FRONT COVER GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205765	D	Input Shaft, Hub & Retaining Ring Assy. – Incl. Item 2
2	1	240617		Ring – Retaining – Part Of Item 1
3	1	247348	C	Bearing – Input Shaft Front
4	1	237384	E	Washer – Rear Bearing
5	1	232081	D	Snap Ring – Rear Bearing
6	1	4206501	C	Bearing – Input Shaft Rear
7	1	4205675		Plate – Input Shaft Rear Bearing Retainer
8	6	241308		Screw – Bearing Retainer Plate
9	1	231798	B	Seal – Input Flange Oil
10	1	60K40112	B	“O” Ring – Input Flange
11	1	102745		Washer – Flange
12	1	216058		Nut – Input Flange
13	1	4205676	E	Cover – Front
14	1	4205090	B	Gasket – Front Cover To Transmission Case
15	1	4203907		Pin – Front Cover Dowel
16	1	238535	C	Air – Breather
17	1	219370		Plug – Front Cover
18	1	219373	B	Gasket – Front Cover Plug
19	4	47K5		Plug – Incl. Item 20
20	4	91F5	B	“O” Ring – Plug – 19
21	18	17C720		Screw – Front Cover To Case
22	18	4E7		Lockwasher – Front Cover To Case Screw
23	2	230851		Clip – Sleeve
24	2	1C510		Screw – Clip
25	2	4E5		Lockwasher – Clip Screw
26	2	248612	C	Sleeve – Front Cover
27	1	234229	D	Ring - Rear Bearing Retaining
28				Flange – Input – SEE FRONT PAGE

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

GEAR GROUP





SPICER OFF-HIGHWAY

Date: 08-02-00

Revised :

MODEL : 4501554

GROUP

T20000

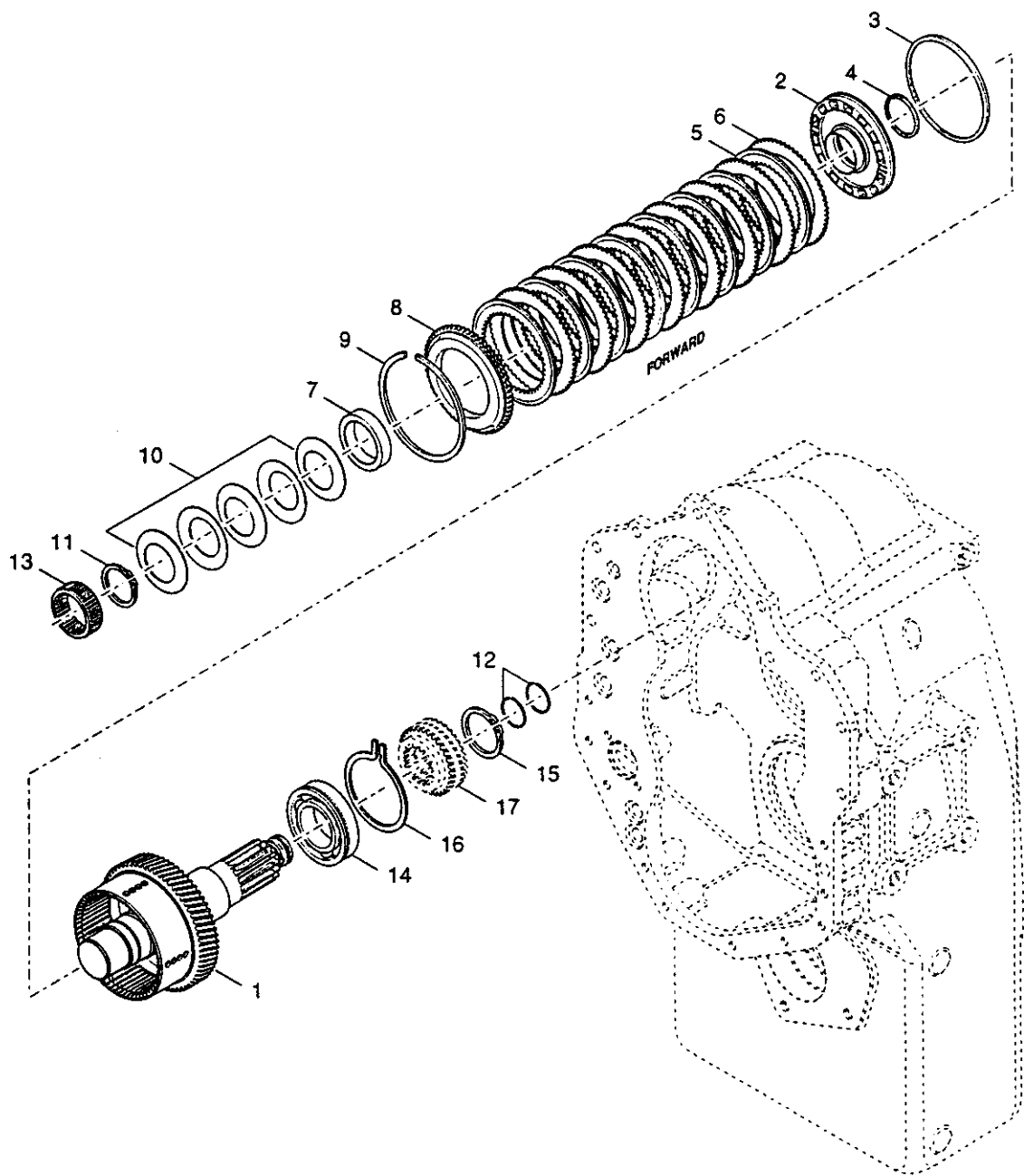
GEAR GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205115	D	Gear – Reverse Clutch
2	1	4205294	E	Gear – 1 st Drive
3	1	4205299	D	Gear – Low Clutch
4	1	4205181	E	Gear – Idler (Rear)
5	1	4205119	E	Gear – Idler (Front)
6	1	4205186	E	Gear – High Range
7	1	4205187	E	Gear – Low Range

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

FORWARD SHAFT GROUP





SPICER OFF-HIGHWAY

Date: 28-04-99

Revised :

MODEL : 4501454

A
GROUP

T20000

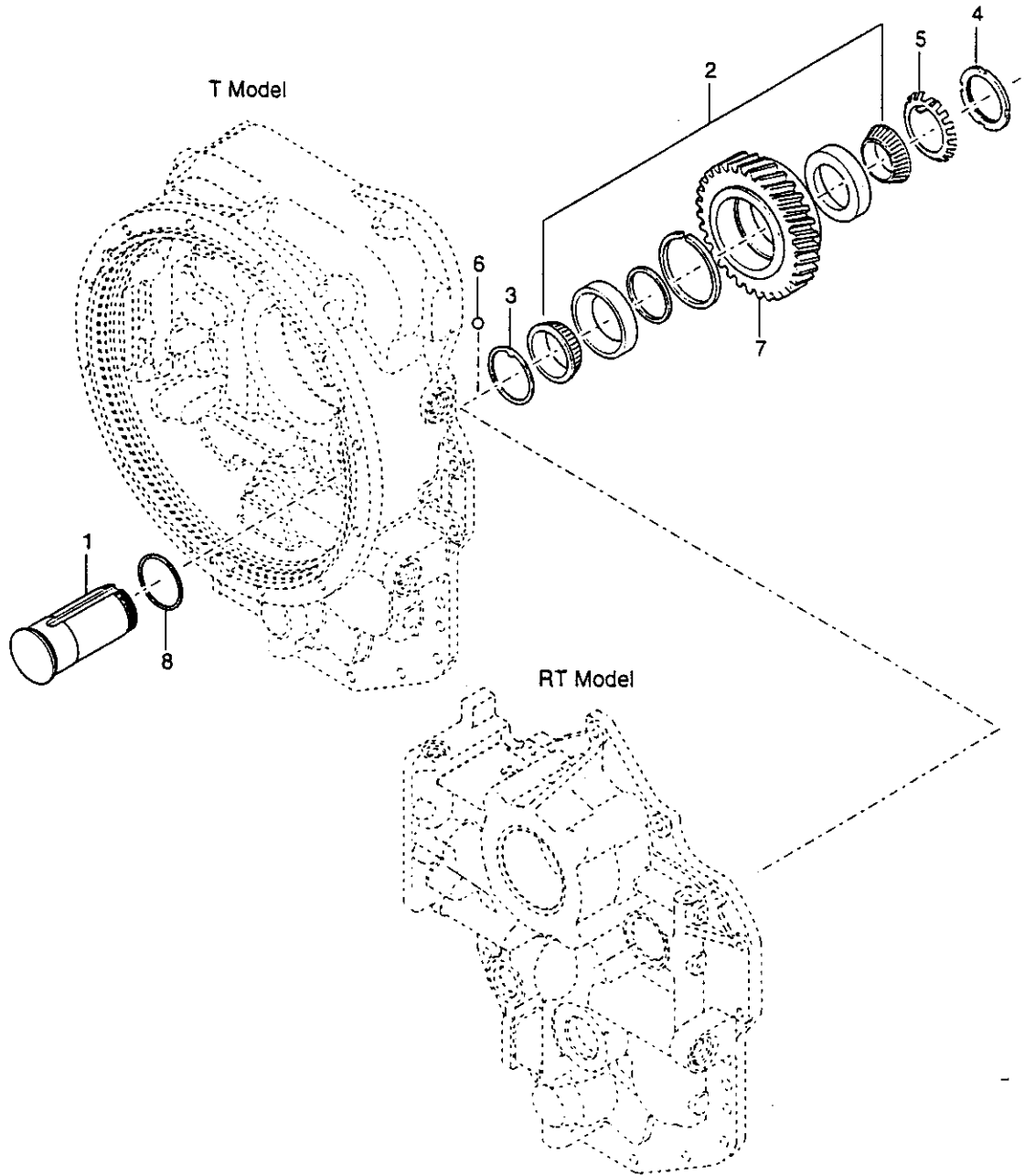
FORWARD SHAFT GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205522	E	Assy. – Forward Shaft, Drum & Plug
2	1	4204050	D	Assy. – Clutch Piston And Seals – Incl. Items 3 & 4
3	1	237032	B	Seal – Clutch Piston – Outer – Part Of Item 2
4	1	234113	B	Seal – Clutch Piston – Inner – Part Of Item 2
5	8	237016	C	Disc – Clutch Inner
6	8	234109	C	Disc – Clutch Outer
7	1	237442		Spacer – Piston Return Spring
8	1	236847	E	Plate – Clutch Disc Backing
9	1	234111	D	Snap Ring – Backing Plate
10	1	247656	D	Assy. – Disc Spring – Incl. 5 Washers
11	1	237669	D	Snap Ring – Spring Retaining
12	2	249779	B	Ring – Forward Shaft Piston
13	1	235763	C	Bearing – Forward Shaft Pilot
14	1	4205132	C	Bearing – Ball
15	1	238034	D	Ring – Gear Retaining
16	1	4205133	D	Ring – Bearing Retaining
17				Gear – 1 st Drive – SEE GEAR GROUP

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

REVERSE IDLER GROUP





SPICER OFF-HIGHWAY

Date: 29-04-99

Revised :

MODEL : 4501198

A
GROUP

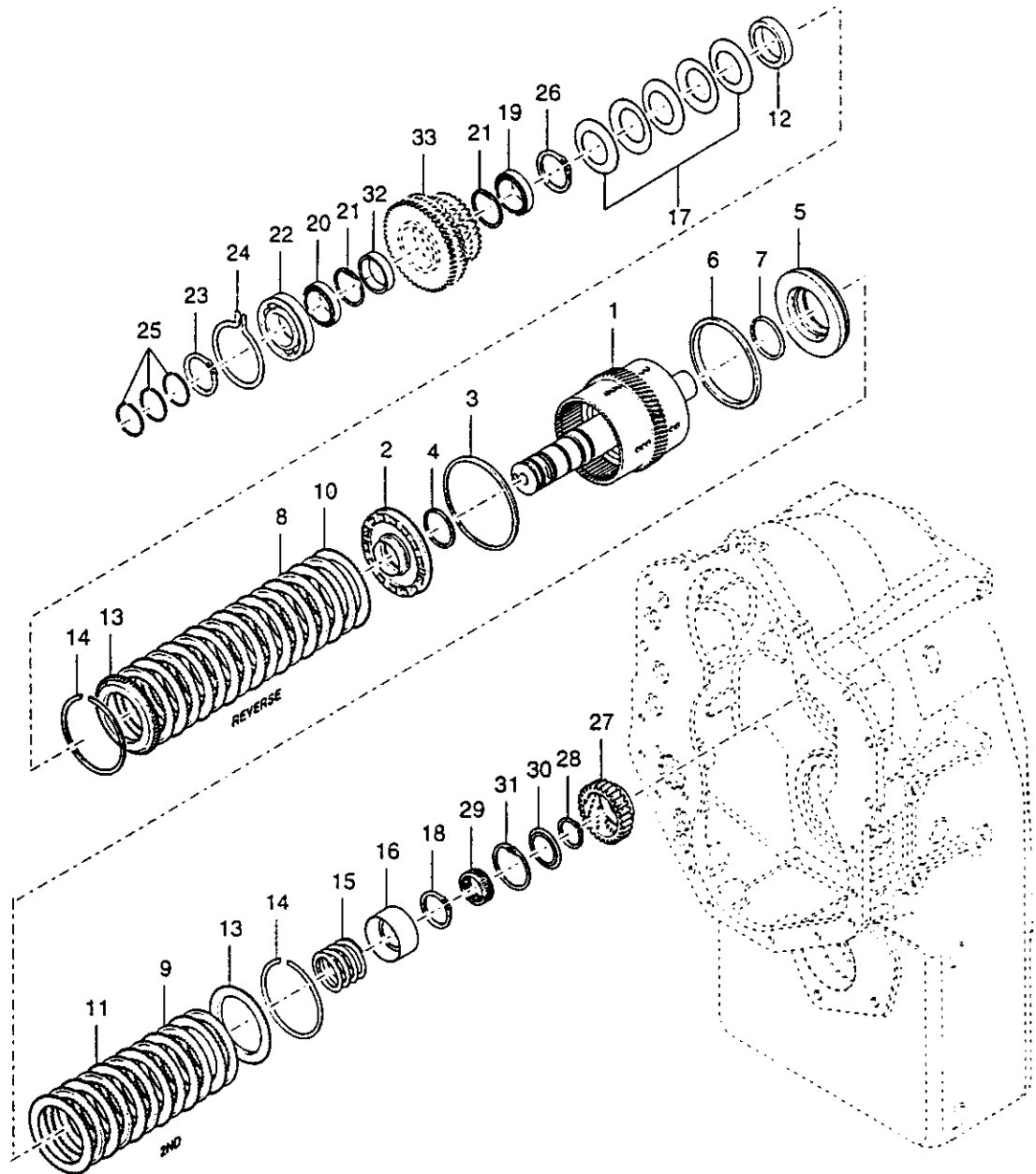
T20000

REVERSE IDLER GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205237	D	Shaft – Reverse Idler
2	1	247664	C	Assy. – Reverse Idler Gear Bearing
3	1	4205134		Washer
4	1	24H9		Nut – Bearing Retainer
5	1	26H9	C	Washer – Bearing Retaining
6	1	10J10		Lockball – Idler Shaft
7	1	4205179	D	Gear – Reverse Idler
8	1	76K223	B	“O” Ring – Idler Shaft

T20000

REVERSE AND 2ND SHAFT GROUP





SPICER OFF-HIGHWAY

Date: 29-04-99

Revised :

MODEL : 4501199

GROUP

T20000

REVERSE & 2ND SHAFT GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205135	E	Assy. – Rev. & 2 nd Shaft, Drum & Plug
2	1	4204050	D	Assy. – Clutch Piston And Seals – Incl. Items 3 & 4
3	1	237032		Seal – Clutch Piston – Outer – Part Of Item 2
4	1	234113		Seal – Clutch Piston – Inner – Part Of Item 2
5	1	4204046		Assy. – Clutch Piston And Seals – Incl. Items 6 & 7
6	1	237032		Seal – Clutch Piston – Outer – Part Of Item 5
7	1	234113		Seal – Clutch Piston – Inner – Part Of Item 5
8	8	237016		Disc – Clutch Inner
9	6	237016		Disc – Clutch Inner
10	8	234109		Disc – Clutch Outer
11	6	234109		Disc – Clutch Outer
12	1	237442		Spacer – Piston Return Spring
13	2	236847		Plate – Clutch Disc Backing
14	2	234111		Snap Ring – Backing Plate
15	1	235960	D	Spring – Piston Return
16	1	235959		Retainer - Spring
17	1	247656		Assy. – Disc Spring – Incl. 5 Washers
18	1	234350	D	Snap Ring – Spring Retainer
19	1	230829	C	Bearing – Clutch Driven Gear
20	1	233389	C	Bearing – Clutch Driven Gear
21	2	234141		Ring – Rev. Clutch Gear Bearing
22	1	241606	C	Bearing – Ball
23	1	247949	D	Ring – Front Bearing Retaining
24	1	230889	D	Snap Ring – Front Bearing
25	3	249779		Ring – Piston
26	1	237669		Snap Ring – Spring Retaining
27	1	4205140	E	Hub – 2 ND Clutch
28	1	234350		Ring – 2 ND Clutch Disc Hub Retaining

N.S.S. – Not Sold Separately
% - Part Stock Recommendation



SPIKER OFF-HIGHWAY

Date: 29-04-99

Revised :

MODEL : 4501199

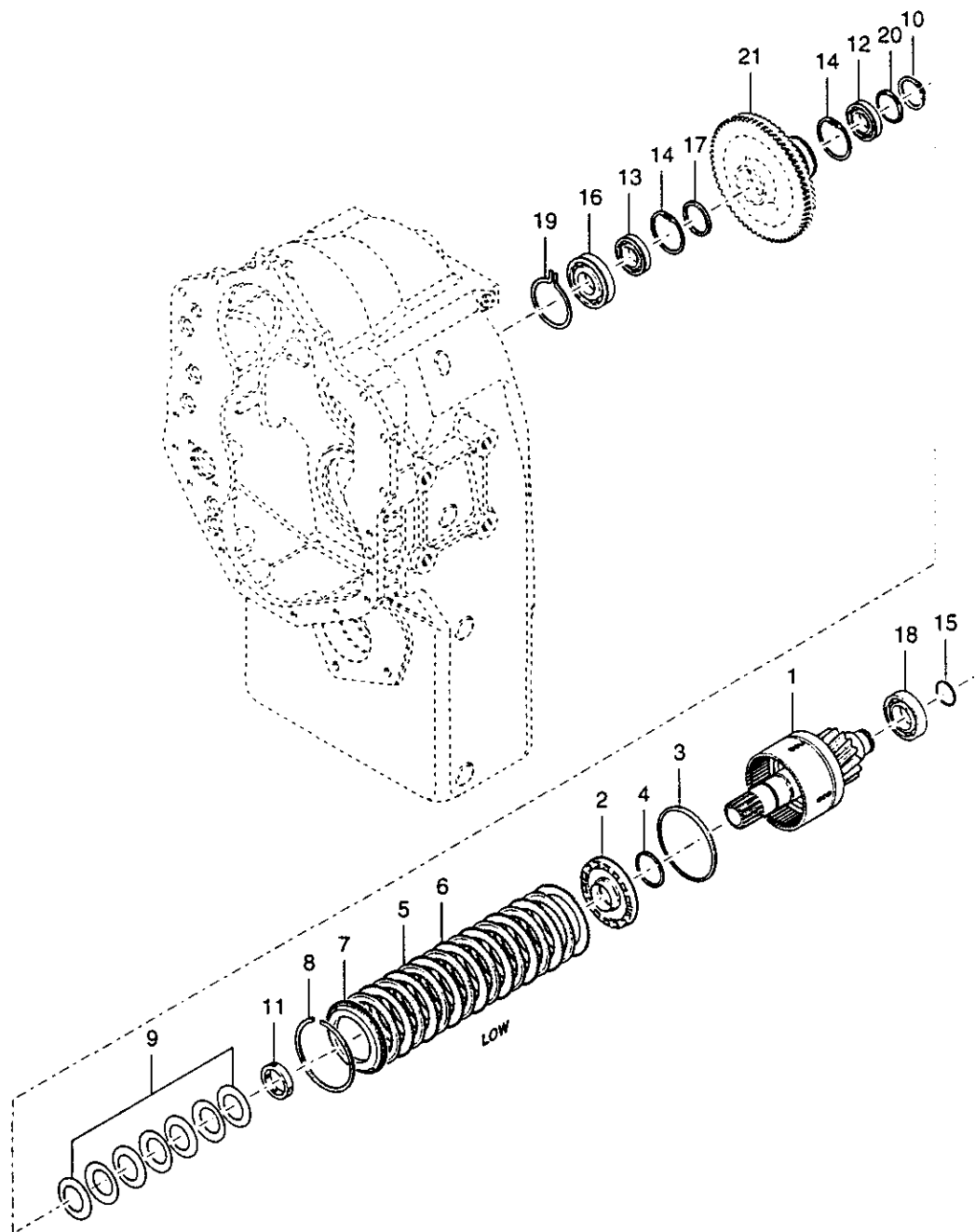
GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
29	1	233066	C	Bearing – Needle
30	1	241313		Retainer – Retaining Ring
31	1	241603	C	Ring – Retainer Locating
32	1	4205141		Spacer – Reverse Clutch Gear
33				Gear – Reverse Clutch SEE GEAR GROUP

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

LOW SPEED SHAFT GROUP





SPICER OFF-HIGHWAY

Date: 29-04-99

Revised :

MODEL : 4501216

GROUP

T20000

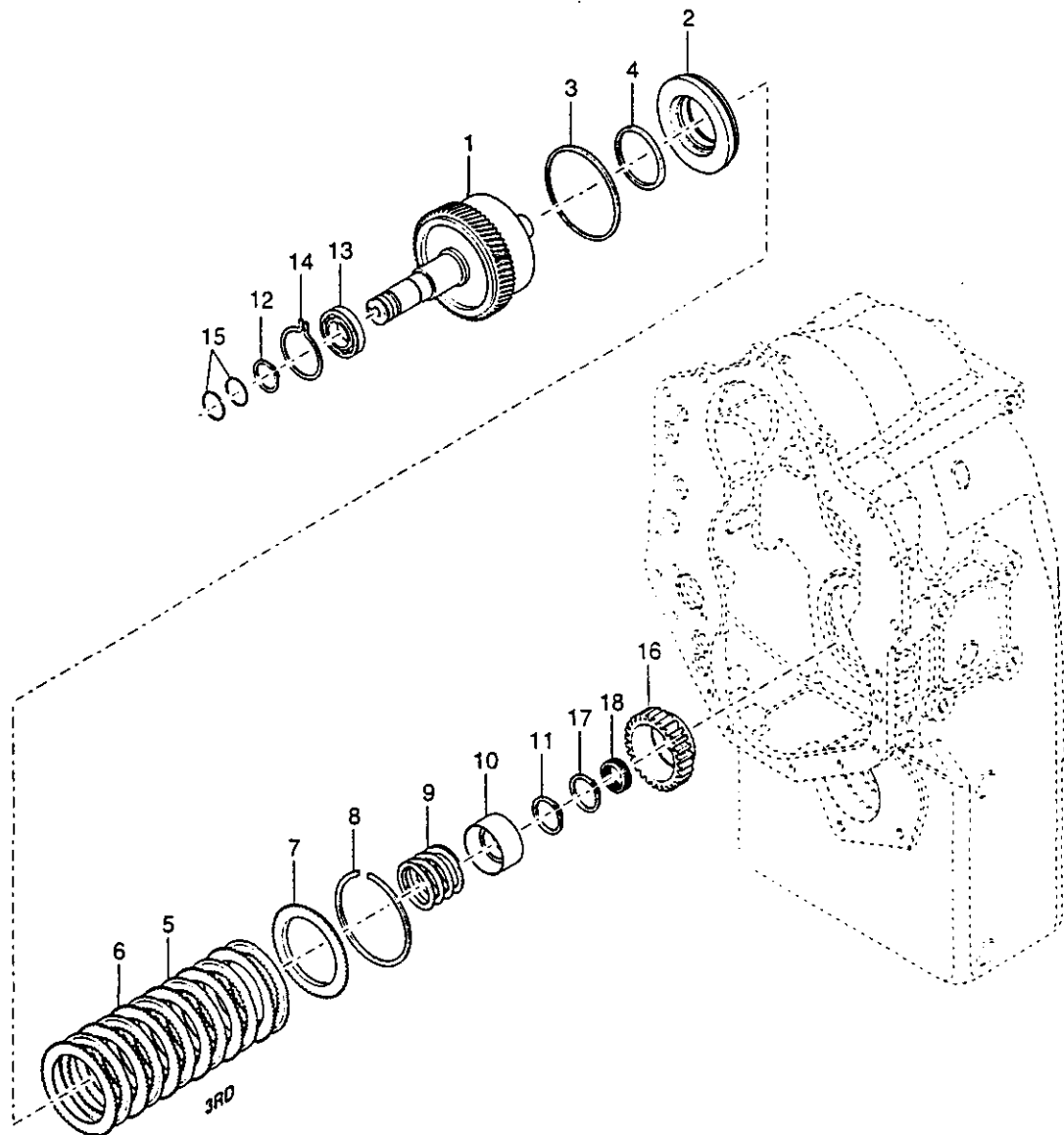
LOW SPEED SHAFT GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205185	E	Assy. – Low Shaft, Hub, Drum & Bleed Valve
2	1	4204050		Assy. – Clutch Piston And Seals – Incl. Items 3 & 4
3	1	237032		Seal – Clutch Piston – Outer – Part Of Item 2
4	1	234113		Seal – Clutch Piston – Inner – Part Of Item 2
5	8	234336	C	Disc – Clutch Inner
6	8	234109	C	Disc – Clutch Outer
7	1	236847		Plate – Clutch Disc Backing
8	1	234111		Ring – Backing Plate Retaining
9	1	247659	D	Assy. – Disc Spring – Incl. 7 Washers
10	1	234350		Snap Ring – Spring Retainer
11	1	241317		Spacer – Belleville Washer
12	1	230885	C	Bearing – Low Speed Gear
13	1	241818	C	Bearing – Low Speed Gear
14	2	223881		Ring – Low Speed Gear Bearing Locating
15	1	250215	B	Ring – Low Shaft Piston
16	1	4205105	C	Bearing – Ball
17	1	241259		Spacer – Low Speed Gear Bearing
18	1	4204258	C	Bearing – Ball
19	1	234229	D	Snap Ring
20	1	248095		Retainer – Belleville Washer
21				Gear – Low Clutch – SEE GEAR GROUP

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

3RD SHAFT GROUP





SPICER OFF-HIGHWAY

Date: 29-04-99

Revised :

MODEL : 4501201

GROUP

T20000

3RD SHAFT GROUP

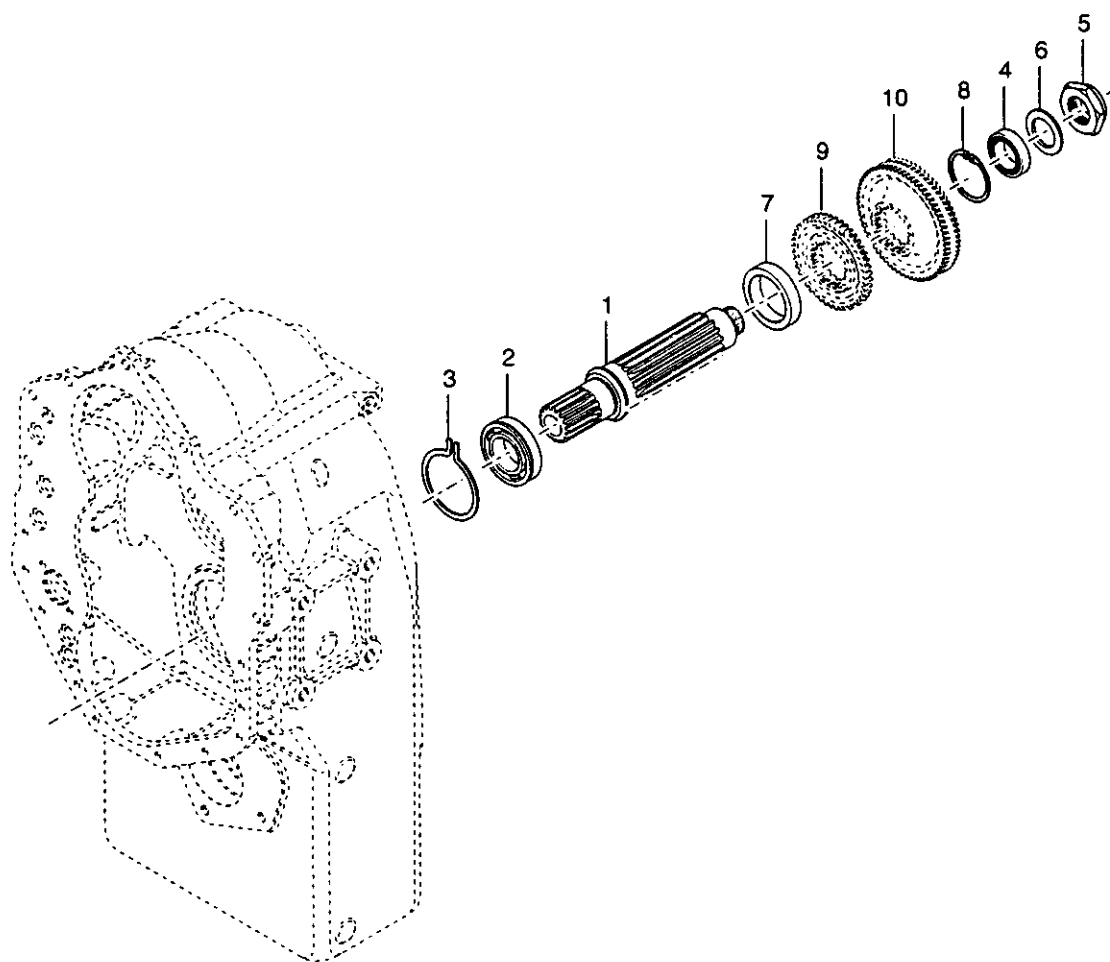
<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205147	E	Assy. – 3 RD Shaft, Drum & Plug
2	1	4204046		Assy. – Clutch Piston And Seals – Incl. Items 3 & 4
3	1	237032		Seal – Clutch Piston – Outer – Part Of Item 2
4	1	234113		Seal – Clutch Piston – Inner – Part Of Item 2
5	6	237016		Disc – Clutch Inner
6	6	234109		Disc – Clutch Outer
7	1	236847		Plate Disc Backing
8	1	234111		Snap Ring – Backing Plate
9	1	235960		Spring – Piston Return
10	1	235959		Retainer – Spring
11	1	234350		Snap Ring – Spring Retaining
12	1	247949		Ring – Front Bearing Retaining
13	1	241606		Bearing – Ball
14	1	230889		Snap Ring – Front Bearing
15	2	249779		Ring – Piston
16	1	4203199	E	Hub – 3 RD Clutch
17	1	234347	D	Ring – 3 RD Clutch Disc Hub Retaining
18	1	233066		Bearing - Needle

N.S.S. – Not Sold Separately

% - Part Stock Recommendation

T20000

IDLER SHAFT GROUP





SPICER OFF-HIGHWAY

Date: 03-05-99

Revised :

MODEL : 4501202

GROUP

T20000

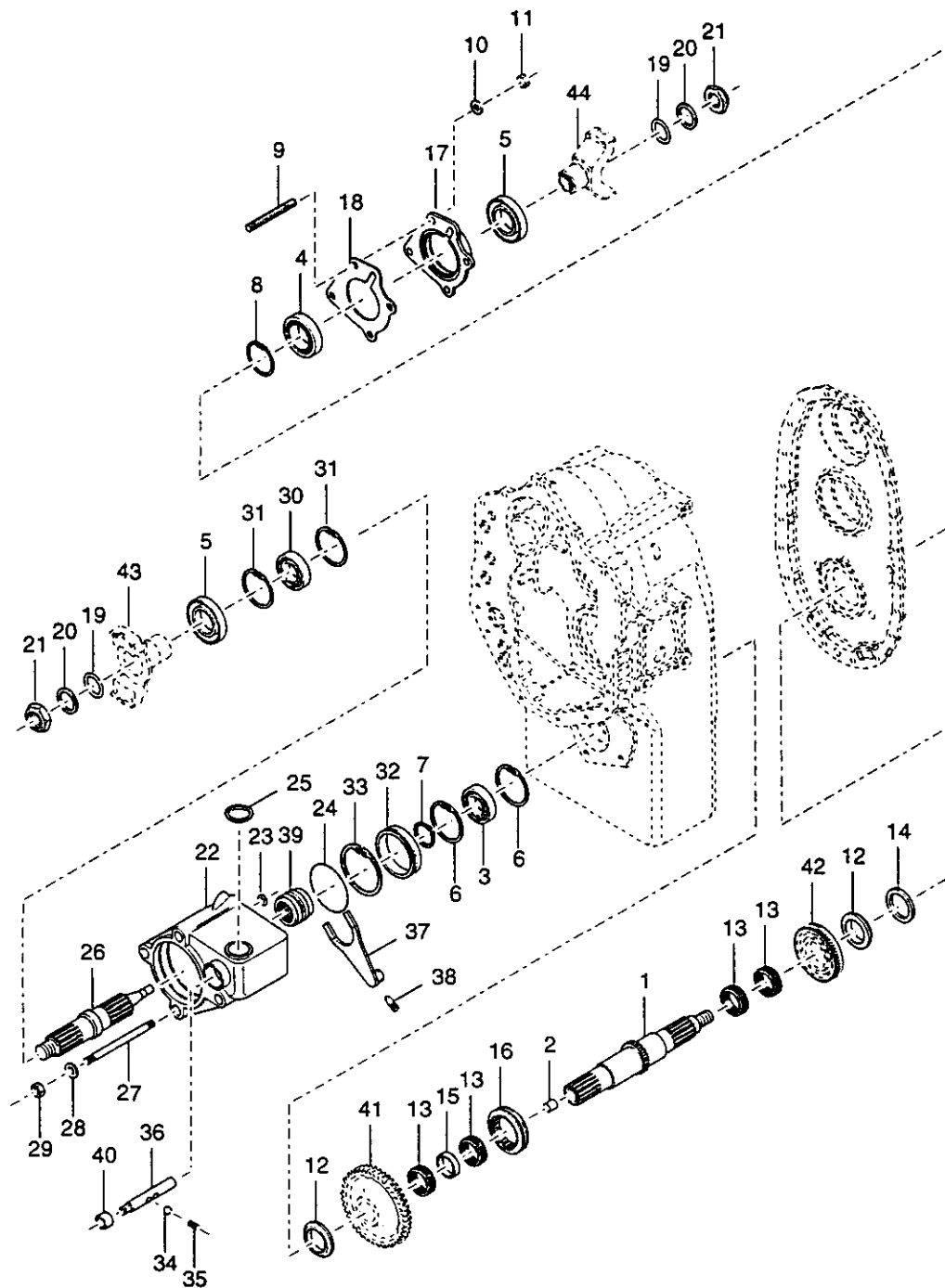
IDLER SHAFT GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205150	E	Shaft – Idler
2	1	4205105	D	Bearing – Ball
3	1	234229	C	Snap Ring – Bearing
4	1	4205151	D	Bearing – Roller
5	1	222960	C	Nut – Bearing
6	1	222179		Washer – Bearing Nut
7	1	235910		Spacer – Idler Shaft Gear
8	1	214953	C	Ring – Snap
9				Gear – Idler – SEE GEAR GROUP
10				Gear – Idler – SEE GEAR GROUP

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

OUTPUT SHAFT GROUP





SPICER OFF-HIGHWAY

Date: 22-02-00

Revised :

MODEL : 4501709

A
GROUP

T20000

OUTPUT SHAFT GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205568	D	Assy. – Output Shaft & Bushing – Incl. Item 2
2	1	225408	C	Bushing – Part Of Item 1
3	1	244093	C	Bearing – Output Shaft Front
4	1	4205153	C	Bearing – Output Shaft Rear
5	2	4205154	B	Seal – Output Shaft
6	2	223901	C	Ring – Output Shaft Front Bearing Retaining
7	1	231776		Ring – Output Shaft Front Bearing Retaining
8	1	7JM90		Ring – Output Shaft Rear Bearing
9	4	238903		Stud – Bering Cap
10	4	4E9		Lockwasher – Bearing Cap Nut
11	4	62D9		Nut – Stud
12	2	237118	D	Washer – Gear Thrust
13	4	237117	C	Bearing – High Low Gear
14	1	234230		Washer – Output Shaft Rear Bearing
15	1	4205193		Spacer – Bearing
16	1	237112	D	Hub – Range Shift
17	1	4205155	D	Cap – Output Shaft Bearing
18	1	234922	B	Gasket – Output Shaft Bearing
19	2	60K60116	B	“O” Ring – Flange
20	2	222179		Washer – Flange
21	2	222960		Nut – Flange
22	1	237252	E	Housing - Disconnect
23	1	60K30022	B	“O” Ring – Disconnect Housing
24	1	60K40328	B	“O” Ring – Disconnect Housing
25	1	222418		Plug – Disconnect Bore
26	1	237256	D	Shaft - Disconnect
27	4	238904		Stud – Disconnect Housing
28	4	4E9		Lockwasher – Disconnect Housing

N.S.S. – Not Sold Separately
% - Part Stock Recommendation



SPICER OFF-HIGHWAY

Date: 22-02-00

Revised :

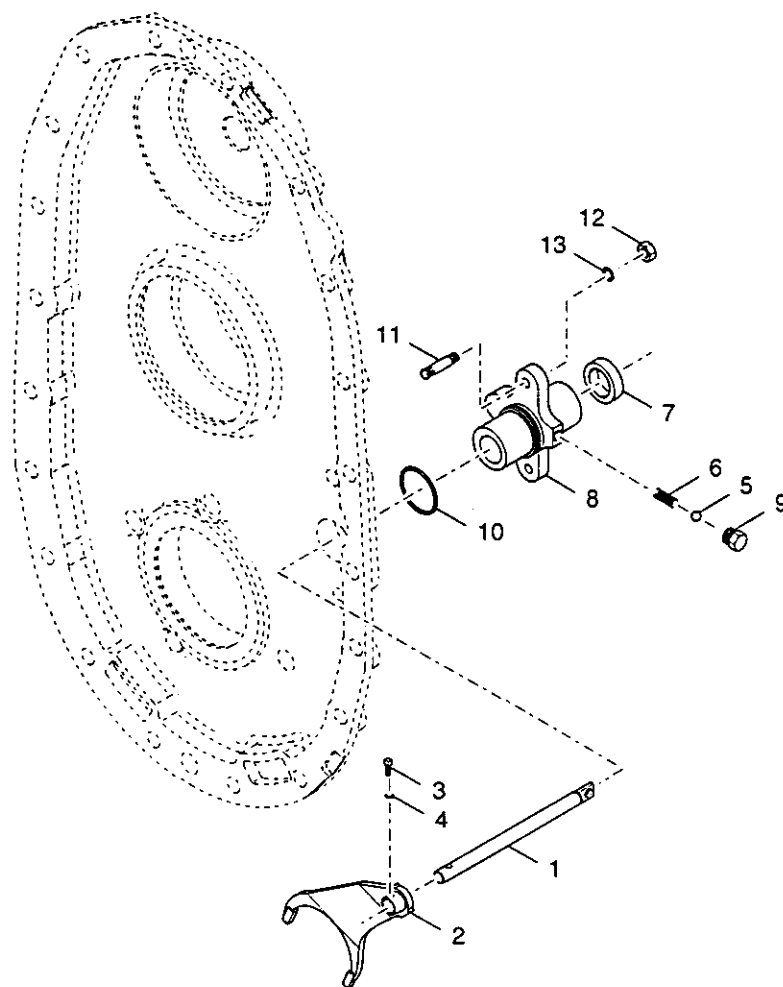
MODEL : 4501709

A
GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
29	4	62D9		Nut – Disconnect Housing
30	1	225825		Bearing
31	2	223901		Ring – Snap
32	1	237253	C	Ring – Disconnect Housing Pilot
33	1	247490	C	Retaining Ring – Disconnect Housing Pilot Ring
34	1	10J14		Ball – Detent
35	1	201413		Spring – Detent
36	1	237255	D	Shift Rail - Disconnect
37	1	217622	E	Shift – Fork
38	1	201566		Lockscrew – Shift Fork
39	1	237254	D	Hub - Disconnect
40	1	239892	B	Oil Seal – Disconnect Shift Rail
41				Gear – Low Range – SEE GAER GROUP
42				Gear – High Range – SEE GEAR GROUP
43				Flange – Output Front – SEE FRONT SHEET
44				Flange - Output Rear – SEE FRONT SHEET

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000
HIGH & LOW RANGE SHIFT CONTROL GROUP





SPICER OFF-HIGHWAY

Date: 07-09-1999

Revised :

MODEL : 4501481

GROUP

T20000

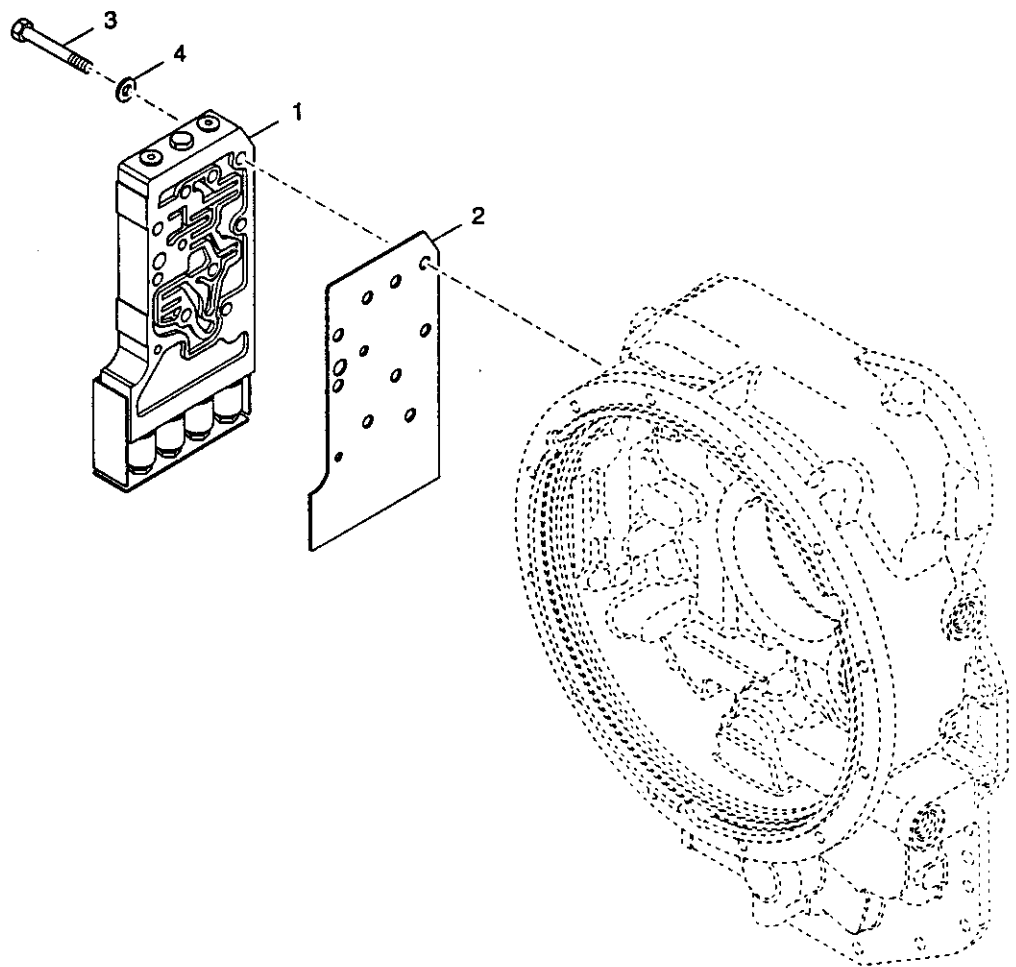
HI LOW RANGE SHIFT CONTROL GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205610	D	Rail - Shift
2	1	4205194	D	Fork - Shift
3	1	2C624		Screw - Shift Fork
4	1	6E6		Lockwasher - Shift Fork Screw
5	1	10J14		Ball - Detent
6	1	201413		Spring - Detent
7	1	239892	B	Oil Seal - Shift Rail
8	1	231877	E	Support - Shift Rail
9	1	239245		Plug
10	1	60K40112	B	"O" Ring - Support
11	2	238902		Stud - Support Mounting
12	2	62D6		Nut - Support Mounting Stud
13	2	4E6		Lockwasher - Support Mounting Stud Nut

N.S.S. - Not Sold Separately
% - Part Stock Recommendation

T20000

ELECTRIC CONTROL VALVE MOUNTING GROUP





SPICER OFF-HIGHWAY

Date: 05-05-99

Revised :

MODEL : 4501493

GROUP

T20000

CONTROL VALVE MOUNTING GROUP

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>%</u>	<u>Description</u>
1	1	4205622	E	Assy. – Electric Control Valve – See Parts List
2	1	247614	B	Gasket – Control Valve To Conv. Hsg.
3	9	4200455		Screw – Valve To Converter Housing
4	9	4E6		Lockwasher – Valve To Converter Housing Screw

N.S.S. – Not Sold Separately
% - Part Stock Recommendation

T20000

ELECTRIC CONTROL VALVE ASSEMBLY

